Results Of A Mobile Metal Ions Process (MMI-M) Soil Geochemical Survey on The Huffman Property (Swayze Gold Belt, Northeast Ontario) of Namex Explorations Inc.

Prepared For:
Namex Explorations Inc.
Suite 610-4333 Ste. Catherine St. West
Montreal, Quebec
H3Z 1P9
Tel: 514-935-2445
FAX: 514-935-8161

Prepared By:
Mount Morgan Resources Ltd.
34 Wellesley Court
Winnipeg, Manitoba, Canada
R3P 1X8
Tel./Fax. : 204-998-0271
E-mail: mfedikow@shaw.ca

EXECUTIVE SUMMARY

A grid-controlled MMI-M soil geochemical survey based on samples collected by Dutch auger and hand dug pits has documented an extensive multi-sample, multi-element base and precious metal linear anomaly. This anomaly comprises highly elevated Au, Ag, Pb, Cu, Bi, Mo, Sb and Zn and coincides with the long axis of a major east-west-trending structure that hosted the past producing Jerome Mine. The anomaly is open to the east and west and should be followed-up with additional MMI-M surveys using the exact same sampling and analytical protocols. The presence of a second anomalous response in the northeast corner of the grid reflects the association of Cu, Mo and Sb with a felsic intrusion as indicated by the affiliation of these metals with U and the rare earth elements. This anomaly is also open to the east and to the north as well.

The remainder of the Huffman property warrants additional MMI-M surveys subsequent to the assessment of air photographs or other remotely sensed data. This will ensure that sampling can be focused on similar linear features as the “Jerome” fault.

TABLE OF CONTENTS

LIST OF FIGURES

LIST OF TABLES

APPENDICES

PREAMBLE

The exploitation of mineral commodities in the near-surface geological environment has become increasingly difficult due to the exhaustion of mineralization exposed at surface and the mantling of prospective bedrock by glacially transported till and its derivatives. Thick glaciofluvial and glaciolacustrine sediments topped by organic deposits make mineral exploration in these terrains challenging. For this reason a plethora of innovative exploration geochemical selective and partial digestions, coupled with state-of-the-art instrumentation capable of measuring concentrations in the parts per billion (ppb) and sub-parts per billion range, have been developed. These techniques offer the explorationist tools to "see through" overburden and derive useful mineral exploration data for integration with geology and geophysics and ultimately for drill-testing multivariate anomalies. Disrupted overburden, such as that observed with logging practices (scarification), tends to complicate MMI responses although modified sampling practices can be adopted to rectify this disturbed environment. Areas affected by landslide are also complicating factors.

The proprietary Mobile Metal Ions Process (MMI) soil geochemical technique has been utilized on a wide range of commodity types from base and precious metals to diamonds worldwide. The Process is based upon proprietary partial extraction techniques, specific combinations of ligands to keep metals in solution, and relies on strict adherence to sampling protocols usually established during an

orientation program. Geochemical data resulting from MMI analysis of improperly collected soils cannot be ameliorated with univariate and/or multivariate statistical and graphical solutions.

The recognition of anomalies in geochemical data has progressed from simple visual inspection in small data sets to multivariate, parametric and non-parametric or robust statistical methods for large datasets usually extracted from regional geochemical surveys. Derived parameters from these statistical exercises, such as factor scores or discriminant functions, have been successfully utilized in reducing a large number of potentially useful variables to a select few variables that identify and localize anomalous geochemical signatures. These statistical approaches have been required to manipulate accurate and precise, low-cost, multi-element geochemical data.

The MMI technology uses a different approach to exploration geochemistry by analyzing soils for a select few commodity elements upon which to base property evaluations. Having stated this, the MMI-M multi-element suite that was utilized to analyze inorganic soils from the Huffman property survey comprises analyses for 45 elements. These consist of a multi-element suite that reports ppb and sub-ppb analyses for base and precious metals, pathfinder elements for these commodities, as well as elements useful for mapping bedrock geology obscured by glacial overburden and its derivatives. A small number of elements in this package report in the ppm concentration range (Al, Ca, Mg, Fe). The large

number of elements in the database provides an opportunity to assess an area of interest for a wide range of metallic mineral deposits with only minor drawbacks in terms of lower limits of determination. The specific details of this assessment are described below.

TERMS OF REFERENCE

The author of this report was contracted by Mr. James Hess of Namex Explorations Inc. (“Namex”) to undertake the interpretation of Mobile Metal Ions soil geochemical survey data from their Huffman property in northeastern Ontario, approximately 25 km south of Timmins. The survey was undertaken to assess the property for MMI geochemical signatures related to structurally controlled precious and base metal mineralization in unknown overburden scenarios. Soil samples were collected according to protocols established in previous orientation surveys in the area. This report represents an interpretation of work and is completed with recommendations for follow-up exploration.

PURPOSE OF THE SURVEY

The Huffman MMI-M exploration survey undertaken by Namex was designed to assess the survey area for high-contrast geochemical signatures associated with known trenched mineralized zones thought to be on strike with the historic, past producing Jerome Mine. In the past overburden cover has hindered exploration and the MMI survey is an attempt to not only provide a tool for focused

exploration in the immediate area of known mineralization but also to assess the area for additional mineralized zones.

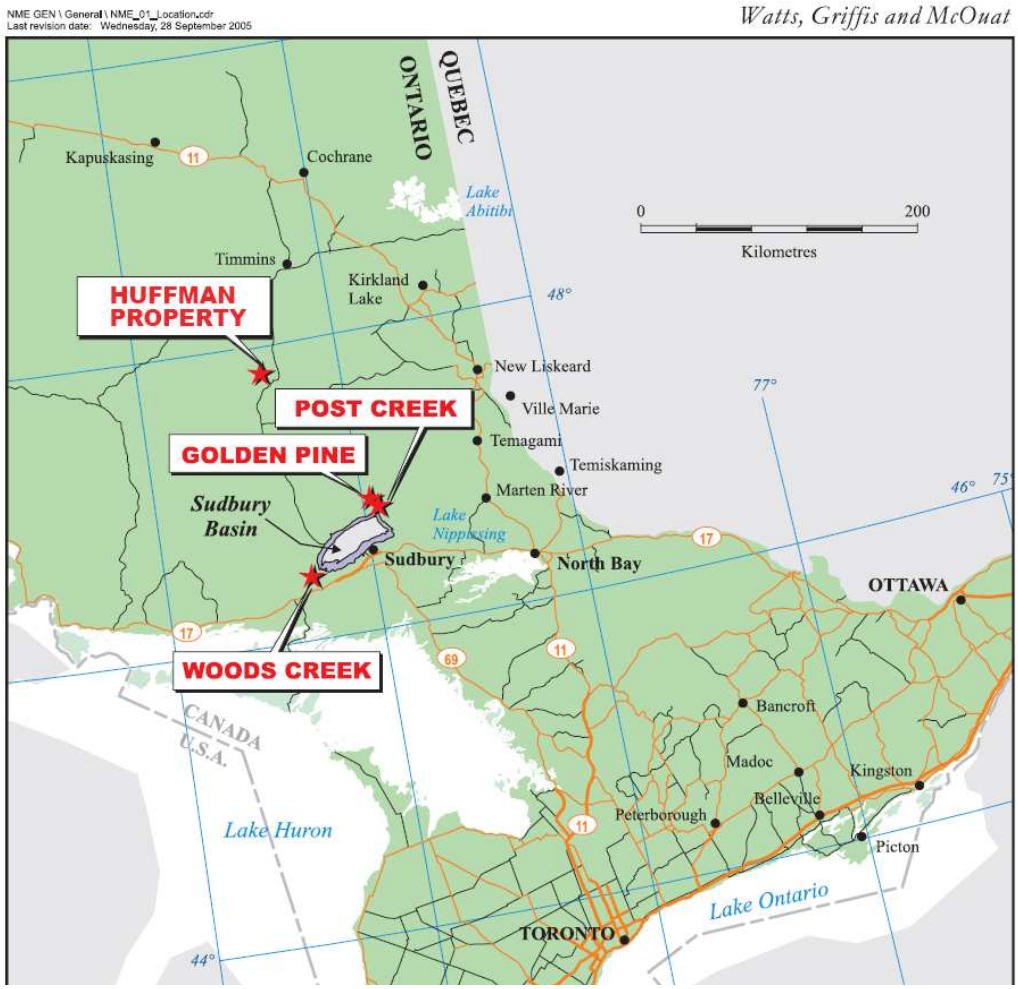
PROPERTY LOCATION, ACCESS AND GEOLOGY

The Huffman property consisting of three contiguous claims, 1560 acres (624 hectares) in Huffman and Potier Twps, located in the Swayze Greenstone Belt in north central Ontario, approximately 200 kilometres northwest of Sudbury. The property is located on strike, some 8 kilometres east of the Jerome Gold Mines property. It is accessible by paved highway and bush roads.

The Swayze Greenstone Belt has a high potential for mesothermal (Intermediate temperature) gold, as indicated by the number of significant gold occurrences and past producing gold mines. As well volcanogenic massive sulphide copper-zinc-lead deposits, and nickel-copper-PGE deposits may be found in association with metavolcanic sequences and intrusive mafic to ultramafic rocks.

Gold was discovered at the Jerome Gold Mines property in 1938, by Bert Jerome. Subsequent development culminated in the production of 56,878 ounces of gold and 15,104 ounces of silver, during the period from 1941 to 1943. Drilling data released in 1988 indicates reserves of 437,320 tons grading 0.193 ounces gold per ton remaining at the Jerome Gold Mine

Figure 1. Location of the Huffman property.



An exhaustive study by the Department of Natural Resources found that approximately 65% of the gold occurrences and mines in Ontario were associated with felsic porphyries. Significantly the Jerome Mine is felsic porphyry-hosted and similar felsic porphyries host the Huffman, gold, silver, molybdenum, copper mineralization.

PREVIOUS WORK

There are few records indicating that significant work on the Huffman property had been carried out in the past. The bulk of exploration has been undertaken about 1000 m west of the western Huffman property boundary at the past producing Jerome Mine. Since 1997 John Brady of Sudbury has worked in the area primarily prospecting with the assistance of a backhoe to expose outcrop. The area is heavily carried with overburden and hence traditional prospecting has been hampered.

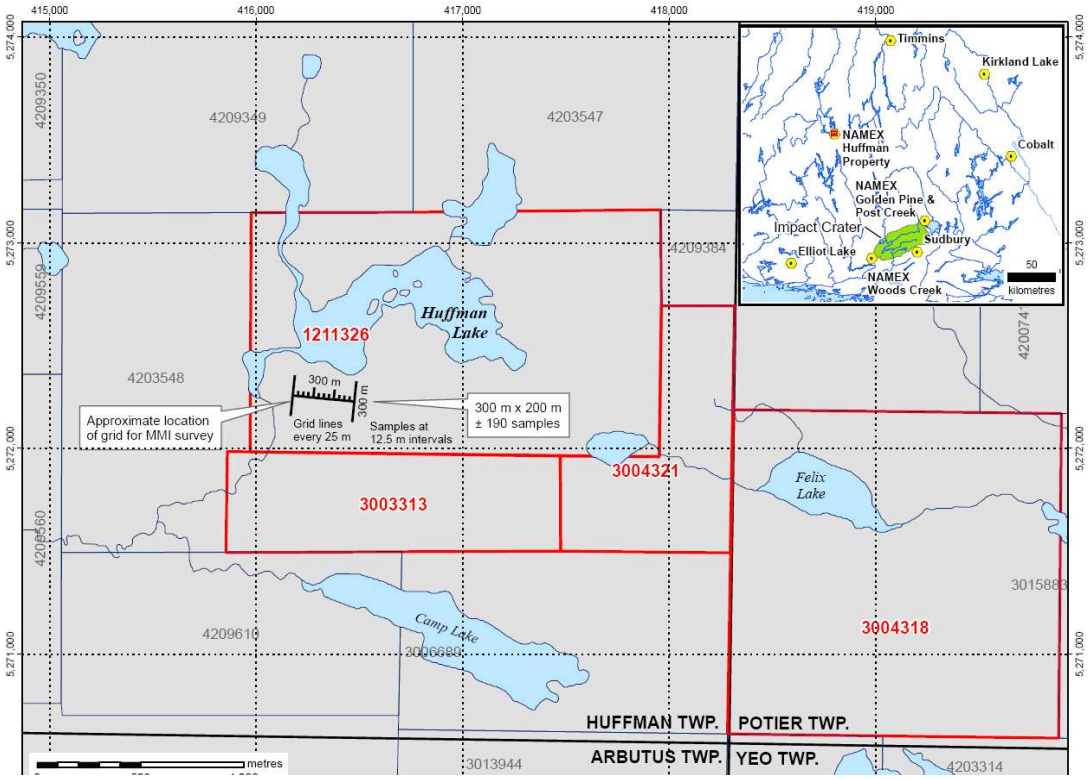
SAMPLE COLLECTION AND ANALYSIS

Sample collection techniques for this survey were determined during earlier orientation surveys undertaken by Mount Morgan Resources Ltd. Samples were collected according to protocols developed for the landscape environment that exists at Huffman and surrounding areas. Sample descriptions were noted at each site.

Sampling was undertaken by Jake Ziehlke of Mount Morgan Resources between October 22 and November 4, 2006.

In MMI surveys there are some general approaches that are used to guide sample collection including preferred depths of sampling and these are described

Figure 2. Location of the Huffman MMI-M survey grid in relation to claim fabric.



briefly here. Additional information is also available from the MMI website (www.mmigeochem.com).

Soil samples, each weighing approximately 250 grams, are usually collected at variable sample spacing along single transects over known mineralized zones or extrapolated trends of these zones. Generally, 25-m stations in precious metal exploration and up to 50 m in the case of base metals are the routine spacing. Sample spacing should be established on the basis of a “best-estimate” of the likely target being sought with estimates from historical data or exploration results

from nearby programs. Initially, samples are often collected at a closer spacing until it is determined that a larger spacing is appropriate to the target being sought. At the Huffman property soils were sampled at 10-15 m spacing from each site at a depth of 10-25 cm below the “zero datum” or the point at which soil formation is initiated in this environment. The sample collected between 10 and 25 cm represents a continuous 15 cm long plug of sediment or a continuous vertical channel of sediment.

Samples are bagged on site without preparation and shipped to SGS Laboratories (Toronto, Ont.) for MMI-M analysis. The MMI-M is a neutral extraction with analytical finish by inductively coupled plasma-mass spectrometry (ICP-MS).

DATA TREATMENT AND PRESENTATION

In exploration surveys where sampling and analytical protocols have been determined by an orientation survey, analytical data is examined visually for analyses less than the lower limit of detection (<LLD) for ICP-MS. Data <LLD are replaced with a value ½ of the LLD for statistical calculations and graphical representation. For most exploration surveys, MMI data is plotted as response ratios. For the calculation of response ratios the 25th percentile is determined using the software program SYSTAT (V10) and the arithmetic mean of the lower quartile used to normalize all analyses. The normalized data represent "response ratios" which are then utilized in subsequent plots. Zeros resulting from this

calculation are replaced with “1”. Response ratios are a simple way to compare MMI data collected from different grids, areas and environments from year to year. This normalized approach also significantly removes or "smoothes" analytical variability due to inconsistent dissolution or instrument instability. For the Huffman survey the interpretation is based on response ratios.

Analytical data as received from SGS Mineral Services is presented in Appendix 1. Analytical data from analytical duplicates, replicate analyses of standard MMI-M reference materials and analytical blanks, and field duplicate samples are given in Appendix 2. The 25th percentile and backgrounds used to calculate response ratios are included in Appendix 2 with the edited analytical data. The variation in concentration of MMI-M suite elements on the Huffman property is discussed in a geochemical narrative based on bubble plots produced with Vertical Mapper, a module within MAPINFO. These bubble plots are given in Appendix 3.

RESULTS

Data Reproducibility-Analytical Duplicates

Analytical duplicate sample analyses are presented in Appendix 2 and permit an assessment of the ability to reproduce analyses at a wide range in concentration. The duplicate pairs from the Huffman survey exhibit a very high degree of reproducibility across a wide range in concentration for most MMI-M elements including the base and precious metal commodity elements. Any variability that

exists between duplicates is within +/- 25% and as such is interpreted not to be a hindrance to interpretation and the recognition of bona fide trends in the dataset. Most variability occurs at or near the lower limit of determination. A possible exception to this statement is the results for the rare earth elements (REE) and a few other MMI-M suite elements including Sc and Ti although the variability with the duplicate analyses for these elements is not universal. The duplicate pair collected at station HM-06-164 is typified by the variability noted above although the remainder of the sample pairs do not exhibit this variance. This variability is depicted below. Some analytical duplicate pairs exhibit significant variance at lower concentration levels near the analytical limits of determination. It is noted that this variability is not uniform for all duplicate pairs and for most pairs the reproducibility for these elements is excellent. Two examples of this “limited” variability are given below.

Analytical Reproducibility

ELEMENT	ANALYSIS 1	ANALYSIS 2
Sample Pair HM-06-164		
La	38	77
Ce	121	237
Nd	157	248
Pr	29	51
Sample Pair HM-06-01		
Sc	32	9
Sample Pair HM-06-128		
Ti	328	91

Field Duplicates

Four sets of field duplicate pairs were collected from the Huffman grid to assess reproducibility in duplicate samples collected from the same depth in the soil profile, 1 m apart. These data are presented in Appendix 2.

Some variability in the ability of the MMI-M extraction/analysis to reproduce the results is noted from the field duplicate pairs. Most variability occurs at or near the lower limit of determination for the elements Ag, Co, Cr, REE, Fe, Mo, Nb, Pb, Th, Ti and Y. When analyses are converted to response ratios, however, the variability is lessened and the effect of this variability is seen to be negligible. It is not a hindrance to the recognition of an anomalous response or pattern in the data. Subsequent to conversion to response ratios there are individual field duplicate pairs that have divergent analyses for Nb and Ti although this result is not universal for all duplicate pairs.

Standard Reference Materials

A review of the QA QC analytical data in Appendix 2 indicates there is excellent agreement of the replicate analyses for the standard reference material MMISRM14 with the accepted or recommended values. This is particularly true for the commodity elements. Some variability exists for Al, Y and Fe which all report slightly higher in relation to the recommended values. Neither of these variabilities in the replicate (n=5) analyses of standard MMISRM14 is considered to be significant.

Analytical Blank Replicates

A review of the replicate analyses of the analytical blanks (Appendix 2) indicates one blank reports 0.1 ppb Au. The remainder of the analytical blanks as well as the blank with 0.1 ppb Au all report <LLD for all MMI-M elements. This indicates there is laboratory-based contamination is not being introduced into the sample and that significant responses in MMI data are related to changes/additions of metals to the soil from bedrock-hosted sources.

Data Description

The Huffman MMI-M dataset is marked by a number of elements that are at or below the LLD. These include As, Bi, Ca, Cd, Cr, Li, Mg, Pd, Sn, Ta, Tb, Te, Tl and W. Some of these elements are typically less mobile than Cu or Zn and their presence in measurable quantities in a small number of samples is testament to this. The high percentage of samples with Bi, Cd, Sn, W and Pd contents <LLD in this survey is not surprising given their very low mobility in the surficial/secondary environment. In this regard, any MMI-M analysis for Pd that is >LLD should be reviewed with care for its overall significance in the survey. An MMI analysis for Pd above the LLD should be field checked for possible association with platinum group metal geological environments**.** It is worth noting that the diagnostic signal of a significantly mineralized zone will generally produce moderate- to high-contrast apical responses over the target; however, away from the mineralization at “background” locations there may be no trace of the presence of a specific metal in the analysis. This is another consideration when viewing MMI data-the

presence of significant numbers of elements < the LLD is not necessarily cause for concern or that the MMI extraction is not working or has been “buffered” by soil composition. The MMI process is designed to only extract metals that are moving from source to surface and characteristically report metal contents in low ppb concentrations.

Method of Interpretation

Multivariate statistical and graphical techniques were not utilized for the interpretation of MMI data in the Huffman survey interpretation. A simple visual approach was used. The MMI-M data was examined for anomalous spikes or groups of elevated responses for single and/or coincident elements. Element groupings such as Au-Ag, Au-Ag-Pd, Zn-Cd, Ni-Co, Ni-Co-Ag and Ni-Cu all have relevance to underlying geological conditions and their contained mineralization and are used to assist the rankings of any particular MMI response in terms of follow-up.

When concentration-only data is reviewed unique “spikes” or anomalous responses are assessed. When response ratios are used there are general guidelines brought to bear on the interpretation. A response ratio of >20 or 20 times background is an initial indication of a low-contrast anomalous response although this "threshold" is not universal. A response of between 20 and 50 is used as a moderate response with RR>50 being referred to as high contrast. Often, pattern recognition in the interpretation of geochemical data is paramount.

Spearman-Rank Correlation Coefficient Matrix

The MMI-M multi-element geochemical data derived from the Huffman survey was assessed with a Spearman-Rank correlation coefficient matrix. This assessment permits the recognition of significantly correlated element pairs and allows the recognition of useful parameters for recognizing anomalous geochemical responses related to mineralization. In addition, the approach is an indirect method of assessing analytical quality. The entire Spearman-Rank matrix is presented in Table 2 whereas the distilled version of significantly inter-correlated MMI-M elements is given in Table 1.

Examination of Table 1 indicates the Huffman dataset is characterized by significant base and precious metal sulphide mineral-related inter-correlations. The sulphide mineral assemblage is typified by elevated correlations for the elements Cu, Pb, Zn, Cd, Bi, Sb, Mo, Co, Ni, Au, Ag and As.

An iron sulphide association in the mineralized source region is indicated by elevated Co and the correlation with Ni. A very high correlation coefficient “r” for the Cd-Zn doublet is indicative of the geochemical signature of bedrock-hosted sphalerite mineralization. Precious metals (Au and Ag) in the dataset are strongly correlated to a suite of base metals including Cu, Pb, Bi, Sb and Mo. Silver is preferentially correlated to Pb whereas Au has the highest “r” with Cu. These observations are suggestive of the presence of precious metal-enriched

base metal sulphide in the Huffman mineralized zone rather than the presence of native forms of the metals.

In addition to commodity elements a significant inter-correlation exists for Ca-Mg-Sr-Ni-Li as well as the highly inter-correlated REE. The REE correlation indicates an indirect measure of the quality of the analytical data owing to similarities in nuclear characteristics (ionic radii) of the REE. The REE should be highly inter-correlated if the quality of the analytical work is good. The Ca-Mg-Sr-Ni-Li inter-correlation (Ca-Mg: 0.727; Ca-Sr: 0.779; Mg-Sr: 0.840; Ni-Sr: 0.511; Li-Mg: 0.497) indicates that the bedrock substrate is likely to contain intermediate to mafic composition lithologies including volcanic or intrusive rocks. In addition to the likely presence of mafic lithologies in the substrate there is also a distinctive Sn-W-Ta-Zr-U-Th association probably reflecting a felsic intrusive lithology is present. It is noteworthy that correlation coefficients between Cu, Mo, Sb and to a lesser extent Au, are strongly correlated to U and Th (with lesser Zr) whereas the suite Pb-Zn-Ag are not correlated to either the REE or U and Th. This suggests two modes of mineralization are present at Huffman. One is related to felsic intrusive activity and the second to base metal massive sulphide type mineralization. The presence of the mineralized zone in a strongly deformed geological setting indicates the mineralization has likely been mobilized from its original depositional environment. The absence of a significant correlation between base and precious metals and Sn-Ta-W may be due to the consistently low contents of these metals that are measured in the MMI extraction.

The highly inter-correlated nature of the rare earth elements in the Huffman dataset is an indirect measure of analytical quality. This observation is based upon the similar ionic radii for the REE and the requirement for accurate and reproducible analyses. Hence, the Huffman dataset is considered to be excellent for purposes of anomaly definition.

Table 1. Summary of significant inter-correlated MMI-M elements, Huffman property survey.

(n=101 samples)

ELEMENT COUPLING	"r"	ELEMENT COUPLING	"r"	ELEMENT COUPLING	"r"
Commodity Responses		**Commodity Responses**		**Lithology Responses**	
Ag-Pb	0.398	Cu-Sb	0.598	Ca-Mg	0.727
Ag-Rb	0.402	Cu-Mo	0.592	Ca-Ni	0.467
		Cu-Th	0.435	Ca-Sr	0.779
As-Bi	0.597	Cu-U	0.676	Mg-Sr	0.840
As-Fe	0.562			Li-Mg	0.497
As-Li	0.495	Mo-Pb	0.396	Ni-Sr	0.511
As-Mg	0.416	Mo-Sb	0.741		
As-Mo	0.456	Mo-Th	0.368	Li-Nb	0.510
As-Nb	0.587	Mo-U	0.472	Li-Ti	0.462
As-Sb	0.597				
As-Th	0.468	Cd-Zn	0.648	U-Th	0.709
As-Tl	0.535			Th-Zr	0.736
As-W	0.551	Co-Ni	0.656	U-Zr	0.555
As-Zr	0.609				
				Sn-W	0.519
Au-Bi	0.369	Sb-Zn	0.410	Sn-Ta	0.651
Au-Cu	0.708	Sb-U	0.538	Ta-W	0.646
Au-Mo	0.664	Sb-Th	0.479	Zr-W	0.434
Au-Pb	0.392				
Au-Sb	0.507			Fe-Tl	0.607
Au-U	0.465			Fe-Mg	0.392
				Fe-Nb	0.632
Sb-Th	0.479	REE: All highly inter-correlated			

AREAL DISTRIBUTION OF ANOMALOUS RESPONSES IN THE HUFFMAN MMI-M SURVEY AREA

Vertical Mapper Bubble Plots

The variation in concentration and the resulting morphologies of the MMI-M data from the Huffman survey area are described in the following section. These observations are based upon Vertical Mapper bubble plots produced from data collected from sampling transects 25 m apart and sample sites at approximately 12.5 m. The bubble plots are plotted using all data for any particular element and then for elements with large variations in measured concentration RR data are replotted by truncating the data at the 100RR level. This has the effect of avoiding the suppression of more subtle trends at lower concentration levels.

Precious and Related Metals (Ag, Au and As)

AgRR: A broad, moderate- to high-contrast AgRR anomaly is defined on the grid. It has an approximate width of 100 m in a N-S orientation and is observed to extend the entire length of the survey grid. The overall orientation is almost east west with maximum RR of 225 or 225 times background. The anomaly has not been truncated.

AuRR: The grid is characterized by an extensive, high-contrast AuRR anomaly. The highest-contrast portion of the anomaly is multi-sample and extends for a distance of 90 m in a NW-SE orientation with a length of 150 m. The anomaly is defined by high-contrast responses of >100RR with maximum RR of 975 and has not been truncated.

AsRR: Sporadic and single- and two-sample low-contrast anomalous responses are scattered over the grid with an apparent grouping of responses on the eastern portion of the survey grid. The highest AsRR is 54RR. There is no clear association with the Au and Ag anomalies.

Base and Related Metal Responses (Cu, Pb, Zn, Ni, Mo, Bi and Co)

CuRR: Low-contrast (RR=25) CuRR responses on the grid are coincident with the Au and Ag anomalies described earlier. The Cu anomalies are multi-sample and elongate in a more-or-less east-west orientation. The highest responses (maximum of 128RR) occur at the northern and southern extremities of line 4+25E. Like the precious metal responses, The CuRR anomaly is not truncated and is open to the east, north and south at line 4+25E.

PbRR: The PbRR results define a roughly NW-SE-trending, multi-sample high-contrast anomaly that is coincident with Ag, Au and Cu responses. The anomaly is up to 50 m wide and extends for 150 m between lines 1+75E and 3+25E and is characterized by a distinctly linear morphology.

ZnRR: The expression of anomalous ZnRR is distinctly different than that observed for PbRR. Rather than the linear form of the PbRR anomaly the ZnRR anomaly is focused on the east end of the grid between lines 3+00E and 4+00E with a N-S width of 75 m. Overall the multi-sample anomaly extends to the east

and west limits of sampling although the “heart” of the anomaly occurs between lines 3+75E and 4+00E.

CdRR: The CdRR (maximum RR=18) is coincident with the ZnRR anomaly at the east end of the Huffman grid. The coincidence of anomalous Cd and Zn is interpreted as an indication of bedrock-hosted sphalerite mineralization.

BiRR: Highly elevated Bi responses occur at the west end of the linear Au-Ag-Pb-Cu anomaly where it is in part coincident. The BiRR anomaly has maximum RR of 154 and is developed between L2+50E and the western limit of the grid at line 1+25E. Accordingly the anomaly is interpreted to be open to the west.

MoRR: Two distinctive morphologies of anomalous Mo responses are apparent on the grid. The first is a linear, multi-sample moderate- to high-contrast anomaly oriented NW-SE and open to the west. This linear anomaly is coincident with responses for Au-Ag-Pb-Cu-Bi and has maximum RR of 50. The second anomalous response occurs at the northern ends of lines 4+00E and 4+25E. This is a two-sample anomaly with maximum RR of 249RR. The anomaly is coincident with highly elevated Cu responses and is interpreted to be open to the north and east.

SbRR: The Sb anomalous responses have two distinctive morphologies and in this regard are similar to those for MoRR. These include an east-west multi-

sample trend with RR to 100. This trend coincides with anomalous responses for Au-Ag-Pb-Cu-Mo-Bi and to some extent Zn. A three-sample high-contrast anomalous response (RR to 430) occurs in the northeast corner of the grid at the northern extremity of lines 4+00E and 4+25E. This second anomalous response is coincident with Cu and Mo anomalies in the same area. Both Sb anomalies are open to the west and the north and east.

CoRR: A multi-sample, moderate-contrast CoRR anomaly (maximum RR=42) is present on the Huffman grid although the preponderance of elevated responses occurs on the east end of the grid along lines 4+00E and 4+25E. This pattern is similar to the As responses. There is a suggestion of a NW-SE trend to the anomalies although this is based on low-contrast responses.

Lithologically Sensitive Metals (Ca, Mg, Sr, Fe, Nb, Sn, Sr, Ta, Th, Ti, TREE, U, W, Zr)

(Ca+Mg+Sr)RR: This additive function has been used in previous MMI-M surveys to differentiate between mafic/ultramafic and felsic lithologies buried beneath overburden. A multi-sample elevated response occurs on the east end of the grid and is primarily developed on line 4+25E but also partially developed as far west as line 3+25E. In this regard, this response is similar to the responses for As and Co. There is no clear delineation of a mafic lithology based on this additive function. The individual element responses for Ca on the grid provides the same basic information as the multi-element function.

MgRR: Like the single element responses for Ca, the MgRR patterns are very similar to those observed for the additive CaMgSr function. They are not, however indicative of a unique lithology in the bedrock that underpins the survey area.

FeRR: An amoeboid irregular pattern of low-contrast (maximum RR of 16) typifies the FeRR on the Huffman grid. It is neither diagnostic of the presence of a mineralized zone nor of a specific lithology in the bedrock that underpins the Huffman grid.

NbRR: Niobium is often a geochemical marker in MMI extractions during surveys for peralkaline lithologies (carbonatite) and for kimberlite lithologies. The Huffman Nb responses are characterized by moderate-contrast, multi-sample responses that predominate in the southeast corner of the grid. The pattern of the responses is not considered to be indicative or diagnostic of a compositionally unique lithology in the subsurface.

SnRR: Scattered one- and two-sample responses of up to 24RR typify the MMI-M Sn responses on the Huffman grid. These responses are more-or-less coincident with the Au-Ag-Cu-Pb-Bi-Mo-Sb anomaly but are not diagnostic of any trend when reviewed alone.

SrRR: Similar patterns are reflected by the Sr results as are documented for Ca and Mg individually as well as the additive CaMgSr function. The SrRR results are non-diagnostic of a unique lithology in the survey area.

TaRR: Low-contrast responses (maximum RR of 6) are distributed across the survey grid. There is a narrow NW-SE-trending linear TaRR anomaly developed on the southern 1/3 of the grid. This response is developed adjacent to the linear base and precious metal anomaly defined for Au-Ag-Cu-Pb-Bi-Mo-Sb.

URR: MMI-M uranium responses can be indicative of U mineralization or of lithologies, specifically felsic sedimentary and volcanic/intrusive rocks. Elevated Huffman U responses are restricted to line 4+25E and to a lesser extent line 4+00E. The highest response of 152RR occurs on the south end of line 4+25E and is a single sample response. The northern segment of this same line is marked by moderate- to0 high-contrast responses and are coincident with previously recognized Cu, Mo and Sb anomalies in this area. This U anomaly is likely related to a felsic lithology that hosts Cu-Mo-Sb mineralization.

ThRR: Low-contrast Th responses (to 19RR) characterize the grid. The responses are scattered and non-diagnostic of lithology and/or mineralization.

TiRR: The eastern half of the Huffman grid is characterized by low- to high-contrast responses up to 80RR. This pattern is strongly suggestive of a high-Ti

lithology in the bedrock underpinning the grid. The western grid area (lines 1+25E to 2+75E) is marked by more diffuse and scattered but elevated responses although some of these are also high-contrast.

Total Rare Earth Elements (TREE): The TREE response, which represents the sum of all rare earth elements reported in the MMI-M analysis is, for the most part, non-diagnostic. Two areas on the grid are of interest however. The first of these occurs in the northeast corner of the grid on lines 4+00E and 4+25E. Elevated TREE responses are documented from this area and coincide with anomalous responses for Cu-Mo-Sb-U anomalies. The second area of interest is coincident with a linear, low-contrast Ta anomaly developed in the southern 1/3 of the grid.

The TREE response in the northeast corner of the grid in association with Cu-Mo-Sb-U is suggestive of a mineralized felsic intrusion in this area. The linear TREE-TaRR anomaly is interpreted to be the signature of a felsic dyke.

WRR: Scattered low-contrast (to 16RR) responses occur across the grid that for the most part, show no distinctive or diagnostic patterns that might be related to mineralization or lithology. One exception is a linear WRR anomaly that occurs in coincidence with a NW-SE-trending multi-sample TaRR anomaly described earlier in this report. This linear Ta-W anomaly occurs in the southern third of the grid and is interpreted to be a felsic dyke.

ZrRR: Low-contrast Zr responses typify the Huffman survey grid although there is a preponderance of these responses in the southeastern corner of the grid. This area is also characterized by abundant elevated Ti responses. Together the Ti-Zr responses are suggestive of a change of lithology from the western grid area (up to line 2+75E) to the area in the east of the grid.

OBSERVATIONS and DISCUSSION

The detailed sampling program undertaken by Namex on a small portion of their Huffman property has been extremely successful in documenting the presence of a linear multi-element, multi-sample high-contrast base and precious metal anomaly. The metals that comprise this anomaly include Au, Ag, Pb, Cu, Bi, Mo and Sb. The long axis of this anomaly coincides with the trend of a major structure that hosts the past-producing Jerome Mine to the west. The orientation of the anomaly and the “Jerome” structure approximate east west to northwest southeast and the MMI anomaly is interpreted to be open to the east and west.

With regards to the constituent metals in the anomaly there appears to be a suggestion of metal zonation from east to west. The high-contrast anomalous responses progress from west to east in the following manner (Bi, Au, Mo, Sb)$\Rightarrow$(Zn, Ag) with the metals Cu and Pb more-or-less distributed across the anomaly. This zonation is interpreted to reflect the same zonation in the bedrock, i.e., the MMI-M signature reflects the distribution of the metals in the host rocks.

The linear east-west multi-sample and multi-element anomaly is not the only significant MMI-M response on the Huffman grid. There is a significant Cu-Mo-Sb-U-TREE anomaly that is developing in the northeast corner of the grid. This anomaly is open to the north and east and is tentatively interpreted as being the signature of a felsic lithology (quartz-feldspar porphyry?) mineralized with Cu-Mo-Sb mineralization. The association of the rare earth elements with the element suite Cu-Mo-Sb is strongly suggestive of a magmatic provenance for the metals. Accordingly, the “felsic lithology” indicated by the U and REE signatures may be intrusive in origin. This anomaly also suggests a relationship exists between the linear, structurally controlled base and precious metal anomaly and the apparently felsic-intrusive-related Cu-Mo-Sb anomaly. This suggests a significant mineralized zone is present in the area and can be related to hydrothermal activity related to the emplacement of a felsic intrusion and superimposition of a structure on the products of this hydrothermal system. These two entities indicate the potential for a significant metal source within the survey area.

CONCLUSIONS AND RECOMMENDATIONS

The following conclusions are evident from this MMI-M exploration survey on the Huffman property of Namex.

1. The survey has successfully demonstrated that MMI-M partial extractions on soil samples collected from overburden of unknown depth can isolate MMI-M precious and base metal anomalies. This includes the commodity elements Au, Ag, Cu, Pb, Zn, Bi, Mo and Sb.
2. There are two anomalies defined on the grid. The first is a linear high-contrast Bi, Au, Mo, Sb, Cu, Pb, Zn and Ag anomaly that strikes almost east west and corresponds to an east-west structure that hosted the past-producing Jerome Mine. The second is confined to the northeast corner of the surveyed area and comprises Cu-Mo-Sb-U-TREE.
3. The linear anomaly is open to the east and west and the anomaly developing in the northeast corner of the grid is open to the north and east.
4. The linear anomaly is characterized by metal zonation that reflects metal zonation in the underlying bedrock.
5. The Cu-Mo-Sb-U-TREE anomaly defined in the northeast corner of the grid is suggestive of a mineralized felsic intrusion.
6. Sampling materials collected for MMI analysis are effective and appropriate sample media for an MMI survey.
7. The analyses generated by the MMI-M extraction are accurate and precise and are effective for the detection of low- to high-contrast soil geochemical anomalies.

The recommendations that flow from this survey are as follows:

1. The MMI process does not indicate the grade of mineralization responsible for the production of an MMI anomaly nor does it indicate the depth of the source region for the anomaly. Accordingly, it is strongly recommended that an attempt at modeling the geological setting of the target mineralization based on their geophysical responses with emphasis on depth to source be undertaken prior to a diamond drill program. This exercise can greatly assist the drilling when attempting to provide explanations for the geological context of geophysical and MMI anomalies. The attitude of the target can be effectively delineated in this manner.
2. Prior to diamond drill testing the MMI dataset should be integrated with all available geophysical surveys so that multivariate drill targets can be recognized.
3. The extension of the linear and northeast anomalies is interpreted to be "open" and as such require follow-up. This follow-up should proceed along the strike of the Jerome structure and also adjacent to this structure to assess possible en echelon structures that can also be mineralized.
4. Soil geochemical follow-up should be based on identical sampling and analytical protocols that were used in the initial survey.
5. Sampling should be undertaken subsequent to a review of aerial photography so that linears/structures can be effectively identified and sampling focused on these possible ore-solution pathways.

Mark Fedikow

Mount Morgan Resources Ltd.

Winnipeg, Manitoba

March 31, 2007.

CERTIFICATE of AUTHOR

Mark A.F. Fedikow, HB.Sc., M.Sc., Ph.D., P. Eng. P.Geo. C.P.G.
Consulting Geologist and Geochemist
Mount Morgan Resources Ltd.
34 Wellesley Court
Winnipeg, Manitoba R3P 1X8
Tel/Fax: 204-487-9627 Cell: 204-998-0271
Email: mfedikow@shaw.ca

I, Mark A.F. Fedikow, HB.Sc. M.Sc. Ph.D. P.Eng. P.Geo. C.P.G. do hereby certify that:

1. I am currently a self-employed Consulting Geologist/Geochemist with an office at:

   34 Wellesley Court,
   Winnipeg, Manitoba, Canada R3P 1X8.

2. I graduated with a degree in Honors Geology (B.Sc.) from the University of Windsor (Windsor, Ont.) in 1975. In addition, I earned an M.Sc. in geophysics and geochemistry from the University of Windsor and a Doctor of Philosophy (Ph.D.) in exploration geochemistry from the School of Applied Geology, University of New South Wales (Sydney) in 1982.

3. I am a Member of the Association of Professional Engineers and Geoscientists of Manitoba. I am also a Fellow of the Association of Applied Geochemists, a Member of the Prospectors and Developers Association of Canada and a member of the American Institute of Professional Geologists. I hold valid Prospectors licenses in Manitoba and Ontario. I am also a member of the Manitoba Prospectors and Developers Association and the Manitoba-Saskatchewan Prospectors and Developers Association.

4. I have worked as a geologist for a total of thirty years since my graduation from university; as a graduate student, as an employee of major and junior mining companies, the Manitoba Geological Survey and as an independent consultant.

5. I have read the definition of “qualified person” set out in National Instrument 43-101 (“NI 43-101”) and certify that by reason of my education, affiliation with a professional association (as defined in NI 43-101) and past relevant work experience, I fulfill the requirements to be a “qualified person” for the purposes of NI 43-101.

6. I am responsible for the preparation of the technical report titled "Results Of A Mobile Metal Ions Process (MMI-M) Soil Geochemical Survey on The Huffman Property (Swayze Gold Belt, Northeast Ontario) of Namex Explorations Inc."

7. I have not had prior involvement with the property that is the subject of the Technical Report.

8. I am not aware of any material fact or material change with respect to the subject matter of the Technical Report that is not reflected in the Technical Report, the omission to disclose which makes the Technical Report misleading.

9. I am independent of the issuer applying all of the tests in section 1.5 of National Instrument 43-101.

10. I consent to the filing of the Technical Report with any stock exchanges or other regulatory authority and any publication by them, including electronic publication in the public company files on the web sites accessible by the public, of the Technical Report.

Dated this 31st Day March, 2007.

_____.
Signature of Qualified Person

"M.A.F. Fedikow" .
Print name of Qualified Person

Mark A.F. Fedikow, HB.Sc., M.Sc., Ph.D., P. Eng. P.Geo. C.P.G.
Consulting Geologist and Geochemist
Mount Morgan Resources Ltd.
34 Wellesley Court
Winnipeg, Manitoba R3P 1X8
Tel/Fax: 204-487-9627 Cell: 204-998-0271
Email: mfedikow@shaw.ca

CERTIFICATE of AUTHOR

I, Mark A.F. Fedikow, HB.Sc., M.Sc., Ph.D., P.Eng., P.Geo., do hereby certify that:

1. I am currently a self-employed Consulting Geologist/Geochemist with an office at:

   34 Wellesley Court,
   Winnipeg, Manitoba, Canada R3P 1X8.

2. I graduated with a degree in Honors Geology (B.Sc.) from the University of Windsor (Windsor, Ont.) in 1975. In addition, I earned an M.Sc. in geophysics and geochemistry from the University of Windsor and a Doctor of Philosophy (Ph.D.) in exploration geochemistry from the School of Applied Geology, University of New South Wales (Sydney) in 1982.

3. I am a Member of the Association of Professional Engineers and Geoscientists of Manitoba. I am also a Fellow of the Association of Exploration (Applied) Geochemists, and a Member of the Prospectors and Developers Association of Canada.

4. I have worked as a geologist for a total of thirty years since my graduation from university; as a graduate student, as an employee of major and junior mining companies, the Manitoba Geological Survey and as an independent consultant.

5. I have read the definition of “qualified person” set out in National Instrument 43-101 (“NI 43-101”) and certify that by reason of my education, affiliation with a professional association (as defined in NI 43-101) and past relevant work experience, I fulfill the requirements to be a “qualified person” for the purposes of NI 43-101.

6. I am responsible for the preparation of the technical report titled "Results Of A Mobile Metal Ions Process (MMI-M) Soil Geochemical Survey on The Huffman Property (Swayze Gold Belt, Northeast Ontario) of Namex Explorations Inc.”

7. I have not had prior involvement with the property that is the subject of the Technical Report.

8. I am not aware of any material fact or material change with respect to the subject matter of the Technical Report that is not reflected in the Technical Report, the omission to disclose which makes the Technical Report misleading.

9. I am independent of the issuer applying all of the tests in section 1.5 of National Instrument 43-101.

10. I consent to the filing of the Technical Report with any stock exchanges or other regulatory authority and any publication by them, including electronic publication in the public company files on the web-sites accessible by the public, of the Technical Report.

Dated this 31st Day March, 2007.

_____.
Signature of Qualified Person

"M.A.F. Fedikow" .
Print name of Qualified Person

Table 2. Spearman correlation coefficient matrix, Huffman MMI-M survey data.

	AGRR	ALRR	ASRR	AURR
AGRR	1			
ALRR	0.133	1		
ASRR	-0.22	0.028	1	
AURR	0.17	-0.318	0.195	1
BARR	0.024	0.189	0.346	-0.079
BIRR	-0.163	0.007	0.597	0.369
CARR	0.001	-0.139	0.258	0.016
CDRR	0.21	0.086	0.287	0.076
CERR	0.094	-0.029	0.156	0.129
CORR	0.219	0.17	0.131	-0.088
CRRR	-0.133	0.153	0.569	0.009
CURR	0.004	-0.317	0.364	0.708
DYRR	0.266	-0.109	-0.088	0.076
ERRR	0.322	-0.095	-0.136	0.03
EURR	0.196	-0.092	0.029	0.114
FERR	-0.336	0.123	0.562	0.129
GDRR	0.206	-0.111	-0.006	0.107
LARR	0.051	-0.001	0.231	0.11
LIRR	-0.15	0.178	0.495	-0.023
MGRR	-0.183	-0.097	0.416	0.105
MORR	0.169	-0.073	0.456	0.664
NBRR	-0.106	0.414	0.587	-0.013
NDRR	0.173	-0.082	0.066	0.11
NIRR	0.18	0.067	0.174	-0.201
PBRR	0.398	-0.069	0.173	0.392
PDRR	-0.073	0.048	0.082	0.059
PRRR	0.133	-0.072	0.106	0.114
RBRR	0.402	0.2	-0.076	-0.185
SBRR	0.04	-0.052	0.597	0.507
SCRR	0.143	0.196	0.382	-0.038
SMRR	0.203	-0.106	0.031	0.132
SNRR	-0.075	0.165	0.565	0.024
SRRR	-0.116	0.007	0.358	0.01
TARR	-0.044	0.199	0.442	0
TBRR	0.252	-0.102	-0.021	0.076
TERR	.	.	.	.
THRR	-0.105	0.023	0.468	0.173
TIRR	-0.069	0.461	0.535	-0.038
TLRR	-0.139	0.081	0.262	-0.008
URR	-0.154	-0.217	0.342	0.465
WRR	-0.162	0.026	0.551	0.08
YRR	0.323	-0.111	-0.111	0.031
YBRR	0.298	-0.037	-0.076	-0.009
ZNRR	0.189	0.232	0.288	0.039
ZRRR	-0.1	0.197	0.609	0.224

	BIRR	CARR	CDRR	CERR
BIRR	1			

CARR	0.178	1		
CDRR	0.253	0.314	1	
CERR	0.042	0.371	0.109	1
CORR	-0.061	0.401	0.248	0.332
CRRR	0.41	0.227	0.18	0.32
CURR	0.317	0.141	0.087	0.303
DYRR	-0.126	0.308	0.051	0.796
ERRR	-0.159	0.26	0.08	0.676
EURR	-0.044	0.37	0.05	0.906
FERR	0.387	0.111	0.055	-0.1
GDRR	-0.051	0.395	0.077	0.9
LARR	0.061	0.398	0.122	0.956
LIRR	0.278	0.333	0.223	0.189
MGRR	0.329	0.727	0.253	0.235
MORR	0.484	0.14	0.162	0.154
NBRR	0.407	0.144	0.163	0.138
NDRR	-0.032	0.409	0.091	0.951
NIRR	-0.062	0.467	0.318	0.283
PBRR	0.368	0.16	0.484	0.139
PDRR	0.113	0.049	0.083	0.003
PRRR	-0.005	0.412	0.094	0.96
RBRR	-0.122	0.032	0.262	-0.114
SBRR	0.526	0.22	0.325	0.225
SCRR	0.266	0.236	0.305	0.447
SMRR	-0.027	0.393	0.086	0.926
SNRR	0.436	0.104	0.134	0.096
SRRR	0.293	0.779	0.3	0.188
TARR	0.252	-0.003	0.054	0.159
TBRR	-0.073	0.385	0.079	0.834
TERR	.	.	.	.
THRR	0.317	0.365	0.209	0.708
TIRR	0.37	0.121	0.181	0.121
TLRR	0.135	0.07	-0.122	0.143
URR	0.372	0.279	0.06	0.577
WRR	0.386	0.147	0.128	0.201
YRR	-0.139	0.316	0.092	0.71
YBRR	-0.15	0.237	0.091	0.664
ZNRR	0.278	0.197	0.648	-0.02
ZRRR	0.486	0.23	0.219	0.446

	CRRR	CURR	DYRR	ERRR
CRRR	1			
CURR	0.096	1		
DYRR	0.013	0.229	1	
ERRR	-0.038	0.188	0.94	1
EURR	0.155	0.245	0.925	0.823
FERR	0.437	0.266	-0.397	-0.43
GDRR	0.134	0.235	0.938	0.841
LARR	0.349	0.291	0.753	0.624
LIRR	0.543	0.083	-0.018	-0.033
MGRR	0.332	0.211	0.069	0.019
MORR	0.235	0.592	-0.016	-0.081

NBRR	0.607	0.087	-0.217	-0.261
NDRR	0.216	0.258	0.885	0.782
NIRR	0.166	0.056	0.287	0.34
PBRR	0.085	0.265	0.254	0.275
PDRR	0.118	-0.026	-0.059	-0.1
PRRR	0.247	0.283	0.849	0.738
RBRR	-0.004	-0.154	-0.037	-0.001
SBRR	0.381	0.598	0.038	-0.003
SCRR	0.522	0.097	0.409	0.42
SMRR	0.167	0.265	0.918	0.817
SNRR	0.643	0.041	-0.181	-0.213
SRRR	0.223	0.124	0.062	0.016
TARR	0.583	0.011	-0.066	-0.117
TBRR	0.09	0.209	0.949	0.883
TERR	.	.	.	.
THRR	0.478	0.435	0.393	0.305
TIRR	0.626	0.027	-0.211	-0.238
TLRR	0.319	0.127	-0.031	-0.069
URR	0.21	0.676	0.42	0.322
WRR	0.538	0.163	0.026	0.02
YRR	-0.025	0.168	0.956	0.958
YBRR	0.007	0.187	0.898	0.952
ZNRR	0.28	0.036	-0.086	-0.045
ZRRR	0.574	0.351	0.121	0.004

	FERR	GDRR	LARR	LIRR
FERR	1			
GDRR	-0.295	1		
LARR	-0.033	0.868	1	
LIRR	0.39	0.081	0.234	1
MGRR	0.392	0.177	0.279	0.497
MORR	0.264	0.058	0.171	0.224
NBRR	0.632	-0.082	0.216	0.51
NDRR	-0.211	0.964	0.933	0.136
NIRR	0.101	0.288	0.27	0.236
PBRR	-0.184	0.228	0.124	0.105
PDRR	0.058	-0.058	-0.01	0.153
PRRR	-0.158	0.946	0.951	0.156
RBRR	-0.15	-0.074	-0.098	0.081
SBRR	0.364	0.119	0.275	0.305
SCRR	0.107	0.409	0.458	0.337
SMRR	-0.258	0.981	0.899	0.095
SNRR	0.377	-0.072	0.139	0.548
SRRR	0.342	0.149	0.236	0.382
TARR	0.298	0.004	0.196	0.393
TBRR	-0.341	0.961	0.799	0.055
TERR	.	.	.	.
THRR	0.286	0.526	0.73	0.299
TIRR	0.607	-0.084	0.196	0.462
TLRR	0.289	0.019	0.16	0.148
URR	0.174	0.501	0.573	0.161
WRR	0.241	0.09	0.216	0.411

YRR	-0.45	0.886	0.663	-0.023
YBRR	-0.376	0.806	0.634	0.016
ZNRR	0.051	-0.053	0.011	0.311
ZRRR	0.47	0.267	0.522	0.422

	MORR	NBRR	NDRR	NIRR
MORR	1			
NBRR	0.372	1		
NDRR	0.109	0.027	1	
NIRR	-0.037	0.077	0.306	1
PBRR	0.396	0.002	0.17	0.075
PDRR	0.083	0.122	-0.017	-0.036
PRRR	0.125	0.068	0.984	0.301
RBRR	0.022	0.015	-0.072	0.255
SBRR	0.741	0.419	0.181	0.057
SCRR	0.134	0.381	0.435	0.292
SMRR	0.093	-0.047	0.976	0.271
SNRR	0.343	0.66	0.021	0.005
SRRR	0.189	0.298	0.194	0.511
TARR	0.264	0.561	0.085	0.031
TBRR	0.019	-0.126	0.916	0.306
TERR	.	.	.	.
THRR	0.368	0.498	0.616	0.232
TIRR	0.303	0.941	0.022	0.081
TLRR	0.126	0.266	0.076	0.101
URR	0.472	0.166	0.524	0.078
WRR	0.262	0.434	0.148	0.17
YRR	-0.069	-0.253	0.827	0.355
YBRR	-0.082	-0.197	0.757	0.355
ZNRR	0.242	0.259	-0.032	0.205
ZRRR	0.451	0.7	0.341	0.081

	PDRR	PRRR	RBRR	SBRR
PDRR	1			
PRRR	-0.007	1		
RBRR	-0.023	-0.093	1	
SBRR	0.037	0.209	-0.006	1
SCRR	0.103	0.431	0.193	0.266
SMRR	-0.02	0.964	-0.077	0.154
SNRR	0.179	0.046	0.031	0.345
SRRR	0.083	0.207	-0.058	0.212
TARR	0.174	0.099	0.072	0.229
TBRR	-0.047	0.892	-0.037	0.09
TERR	.	.	.	.
THRR	-0.011	0.65	-0.1	0.479
TIRR	0.123	0.063	0.019	0.385
TLRR	-0.018	0.108	-0.019	0.125
URR	-0.021	0.542	-0.205	0.538
WRR	0.109	0.16	-0.05	0.35
YRR	-0.056	0.784	0.029	0.002
YBRR	-0.065	0.726	0.043	0.042
ZNRR	0.08	-0.019	0.341	0.41

ZRRR	0.115	0.381	-0.045	0.545

	SMRR	SNRR	SRRR	TARR
SMRR	1			
SNRR	-0.027	1		
SRRR	0.157	0.161	1	
TARR	0.032	0.651	0.075	1
TBRR	0.942	-0.077	0.136	0.011
TERR	.	.	.	.
THRR	0.565	0.325	0.301	0.306
TIRR	-0.049	0.649	0.252	0.527
TLRR	0.029	0.257	0.094	0.222
URR	0.518	0.124	0.212	0.121
WRR	0.103	0.519	0.126	0.646
YRR	0.859	-0.205	0.073	-0.105
YBRR	0.784	-0.151	0.021	-0.046
ZNRR	-0.035	0.232	0.227	0.086
ZRRR	0.303	0.553	0.238	0.509

	TERR	THRR	TIRR	TLRR
TERR	.			
THRR	.	1		
TIRR	.	0.448	1	
TLRR	.	0.261	0.282	1
URR	.	0.709	0.119	0.182
WRR	.	0.386	0.405	0.231
YRR	.	0.3	-0.234	-0.101
YBRR	.	0.325	-0.171	-0.045
ZNRR	.	0.131	0.262	-0.113
ZRRR	.	0.736	0.624	0.201

	WRR	YRR	YBRR	ZNRR
WRR	1			
YRR	0.034	1		
YBRR	0.079	0.927	1	
ZNRR	0.161	-0.033	-0.015	1
ZRRR	0.434	0.026	0.063	0.205

BARR

1
0.261
0.452
0.371
0.294
0.293
0.388
0.024
0.089
0.056
0.204
0.338
0.198
0.349
0.375
0.503
0.131
0.434
0.24
0.472
0.096
0.105
0.27
0.119
0.237
0.265
0.215
0.261
0.641
0.234
0.167
.
0.411
0.4
0.116
0.183
0.162
0.089
0.121
0.312
0.42

CORR

1
0.15
0.116
0.3
0.363
0.281
0.066
0.296
0.293
0.223
0.283
-0.025
0.131
0.322
0.656
0.053
-0.051
0.325
0.182
0.048
0.326
0.289
0.03
0.374
0.041
0.301
.
0.313
0.132
0.12
0.113
0.164
0.339
0.382
0.26
0.119

EURR

1
-0.267
0.979
0.876
0.099
0.178
0.068

-0.051
0.964
0.283
0.212
-0.043
0.942
-0.07
0.131
0.421
0.97
-0.039
0.146
0.052
0.947

.

0.53
-0.055
0.034
0.5
0.116
0.87
0.788
-0.08
0.285

MGRR

1
0.286
0.362
0.221
0.352
0.066
0.102
0.241
-0.126
0.288
0.142
0.186
0.23
0.84
0.133
0.139

.

0.346
0.303
0.133
0.249
0.214

0.064
0.029
0.209
0.307

PBRR

1
0.037
0.153
0.178
0.374
0.226
0.231
0.098
0.043
0.03
0.265
.
0.149
-0.005
-0.188
0.24
0.063
0.285
0.247
0.44
0.171

SCRR

1
0.417
0.392
0.107
0.503
0.428
.
0.455
0.411
0.095
0.264
0.547
0.429
0.47
0.304

0.461

TBRR

1

.

0.465

-0.123

-0.042

0.45

0.09

0.914

0.852

-0.043

0.223

URR

1

0.234

0.317

0.326

-0.008

0.555

ZRRR

1

ANALYTE	Ag	Al	As	Au	Ba	Bi	Ca	Cd
METHOD	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
DETECTIC	1	1	10	0.1	10	1	10	10
UNITS	PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB
HM-06-1	9	210	10	0.3	490	<1	10	<10
HM-06-2	21	240	10	0.2	700	<1	<10	<10
HM-06-3	44	230	10	1.6	240	<1	<10	<10
HM-06-4	40	217	<10	0.6	360	<1	<10	<10
HM-06-5	32	191	<10	0.6	210	<1	<10	<10
HM-06-6	12	208	20	1.9	340	<1	<10	<10
HM-06-7	14	>300	30	0.5	1840	2	20	<10
HM-06-8	15	>300	<10	0.1	400	<1	<10	<10
HM-06-9	12	274	<10	<0.1	650	<1	<10	10
HM-06-10	31	234	<10	<0.1	710	<1	<10	10
HM-06-11	1	153	30	1.1	1060	3	20	20
HM-06-12	<1	239	90	0.2	570	2	<10	<10
HM-06-13	8	119	20	0.7	390	<1	130	<10
HM-06-14	17	251	10	0.2	630	<1	20	10
HM-06-15	4	107	20	1.1	610	2	100	<10
HM-06-16	11	154	20	0.6	1110	2	130	<10
HM-06-17	29	280	30	1.6	610	2	<10	<10
HM-06-18	10	157	20	0.5	830	<1	160	20
HM-06-19	26	92	10	1.7	660	<1	270	20
HM-06-20	6	149	20	0.5	1090	2	170	10
HM-06-21	2	11	60	0.2	470	<1	210	10
HM-06-22	6	32	40	0.4	460	<1	250	<10
HM-06-23	3	198	30	0.3	600	2	70	10
HM-06-24	<1	174	20	0.2	280	1	60	90
HM-06-25	6	81	40	1	800	2	120	10
HM-06-26	11	114	20	0.7	840	3	130	30
HM-06-27	3	215	30	0.9	440	3	80	10
HM-06-28	12	281	10	0.3	570	<1	<10	10
HM-06-29	17	186	100	0.9	740	3	50	<10
HM-06-30	54	>300	30	0.2	610	<1	<10	<10
HM-06-31	53	255	<10	0.4	710	<1	20	10
HM-06-32	21	220	30	1.2	2440	2	70	50
HM-06-33	38	>300	30	0.2	1630	<1	<10	30
HM-06-34	47	275	<10	0.2	820	<1	10	30
HM-06-35	70	>300	50	0.9	2310	2	30	30
HM-06-36	8	244	20	0.3	720	<1	10	<10
HM-06-37	6	10	20	0.4	3810	<1	230	10
HM-06-38	7	88	30	0.4	1080	2	40	<10
HM-06-39	57	223	<10	0.4	650	<1	10	10
HM-06-40	10	300	30	0.2	840	1	<10	20
HM-06-41	41	245	<10	<0.1	680	<1	10	50
HM-06-42	93	217	<10	0.2	430	<1	<10	20
HM-06-43	134	240	<10	1.2	370	<1	<10	30
HM-06-44	104	222	<10	1.3	550	<1	<10	20
HM-06-45	88	255	<10	0.3	1570	<1	40	30
HM-06-46	16	293	40	<0.1	1540	2	20	20
HM-06-47	23	259	<10	0.2	410	<1	<10	<10
HM-06-48	15	189	<10	0.1	650	<1	<10	<10

HM-06-49		1		151		20		0.3		420	<1		<10		<10			
HM-06-50	<1			213		20	<0.1			400	<1		<10		<10			
HM-06-51	<1		>300			20		0.1		460	<1		<10		<10			
HM-06-52	<1			300	<10		<0.1			310	<1		<10		<10			
HM-06-53		4	>300			20		0.3		440	<1		<10		<10			
HM-06-54		14		240		20		0.2		630	<1		<10		<10			
HM-06-55		30		179	<10			0.2		400	<1		<10		<10			
HM-06-56		1		277		40		0.2		320		1	<10		<10			
HM-06-57	<1			217	<10			0.1		250		2	<10		<10			
HM-06-58	<1			284		20		0.2		330	<1		<10		<10			
HM-06-59		6		261		10	<0.1			440	<1			20	<10			
HM-06-60		10	>300			10		0.2		670	<1			20	<10			
HM-06-61		2		214		10		0.1		270	<1			10	<10			
HM-06-62		42		225		100		0.6		1060		7		40		40		
HM-06-63		57		294		50		0.2		840		2	<10			20		
HM-06-64		20		273		50		0.4		820		2		40		20		
HM-06-65		41		206	<10			0.7		330	<1		<10			10		
HM-06-66		38		219	<10			0.1		830	<1		<10			20		
HM-06-67		63		256		10		0.4		1020	<1			20		20		
HM-06-68		30		240	<10			0.2		650	<1			10	<10			
HM-06-69		29		227	<10			0.1		680	<1			40	<10			
HM-06-70		12		192	<10			0.1		390	<1		<10		<10			
HM-06-71		13		193	<10			0.2		550	<1		<10		<10			
HM-06-72		14		258	<10			0.1		640	<1		<10		<10			
HM-06-73		16		252	<10		<0.1			550	<1		<10		<10			
HM-06-74		43		296	<10			0.1		350	<1			10		20		
HM-06-75		77		276	<10			0.3		570	<1			10		20		
HM-06-76		149		235	<10			0.4		430	<1			40		20		
HM-06-77		84		144	<10			0.2		210	<1		<10		<10			
HM-06-78		99		161	<10			0.8		200	<1		<10		<10			
HM-06-79		575		115	<10			14.1		120	<1		<10		<10			
HM-06-80		129		228		40		10		380		2		20	<10			
HM-06-81		4		215	<10		<0.1			600	<1			140	<10			
HM-06-82		17		217	<10		<0.1			300	<1			20	<10			
HM-06-83		10		205	<10		<0.1			500	<1			20	<10			
HM-06-84		2		240	<10			0.2		200	<1		<10		<10			
HM-06-85		7		217	<10			0.2		180	<1		<10		<10			
HM-06-86		7		281		10	<0.1			560	<1		<10		<10			
HM-06-87		8	>300			20		0.2		640	<1		<10		<10			
HM-06-88		8		245	<10			0.2		170	<1		<10		<10			
HM-06-89		6		295	<10			0.4		250	<1		<10		<10			
HM-06-90		40		243		20		0.9		260	<1		<10		<10			
HM-06-91		98		201	<10			1.6		140	<1		<10		<10			
HM-06-92		69		227	<10			1.2		340		1		30		20		
HM-06-93		100		237		20		4.2		290	<1		<10			10		
HM-06-94		91		172	<10			1.1		110	<1		<10		<10			
HM-06-95		37	>300		<10			0.2		590	<1			20		10		
HM-06-96		20		234	<10		<0.1			530	<1		<10		<10			
HM-06-97		35		262	<10			0.1		470	<1			20	<10			
HM-06-98		16		261	<10		<0.1			550	<1			20	<10			
HM-06-99		7		228	<10			0.2		880	<1		<10		<10			
HM-06-100		18		153	<10			0.2		210	<1			10	<10			

HM-06-101		14		236	<10		<0.1			460	<1		<10			10			10
HM-06-102		18		234	<10		<0.1			210	<1			10	<10				
HM-06-103		7		217	<10		<0.1			470	<1		<10		<10				
HM-06-104		26		171	<10		<0.1			180	<1		<10		<10				
HM-06-105		17		220	<10		<0.1			450	<1			20	<10				
HM-06-106		18		211	<10			0.7		700	<1			30		10			
HM-06-107		21		179	<10			0.4		370	<1		<10			20			
HM-06-108		29		263	<10			3.9		400	<1		<10		<10				
HM-06-109		43		192	<10			17.5		150	<1		<10		<10				
HM-06-110		10		156		10		5.5		260	<1		<10		<10				
HM-06-111		67		274		10		0.7		930	<1			10	<10				
HM-06-112		8		246	<10			0.3		610	<1		<10		<10				
HM-06-113		13		235		10		2.2		330	<1		<10		<10				
HM-06-114		3		188		50		1.1		1170		2		50		10			
HM-06-115		3		224		10		0.3		510		1		20	<10				
DUP-HM-0		6		192	<10			0.2		330	<1			10	<10				
DUP-HM-0		11		111		20		0.6		350	<1			130	<10				
DUP-HM-0		5		79		30		0.9		720	<1			100	<10				
DUP-HM-0		6		10		30		0.4		3670	<1			230	<10				
DUP-HM-0	<1			138		30		0.3		690	<1			10	<10				
DUP-HM-0	I.S.		I.S.		I.S.		I.S.		I.S.		I.S.		I.S.		I.S.				
DUP-HM-0		11		235	<10		<0.1			440	<1		<10		<10				
DUP-HM-0		8		199	<10			0.2		160	<1		<10		<10				
DUP-HM-0		30		259	<10			0.1		390	<1			30	<10				
DUP-HM-0		38		213		10		17.1		210	<1			10	<10				
MMISRM1		20		53		20		47.7		90	<1			220	<10				
MMISRM1		18		56		10		42.6		60	<1			230	<10				
MMISRM1		19		43		10		40.5		60	<1			200	<10				
BLANK	<1		<1		<10		<0.1		<10		<1		<10		<10				
BLANK	<1		<1		<10		<0.1		<10		<1		<10		<10				
BLANK	<1		<1		<10			0.1	<10		<1		<10		<10				

Ce	Co	Cr	Cu	Dy	Er	Eu	Fe	Gd
MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
5	5	100	10	1	0.5	0.5	1	1
PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPM	PPB
14	42	<100	200	2	1.7	0.6	160	1
41	42	<100	250	10	6.2	2	82	7
86	62	<100	820	15	9.8	3.8	59	13
67	65	<100	220	15	8.6	3.9	27	12
179	56	<100	300	22	12.4	6.1	34	22
180	56	<100	520	32	17.6	9.7	69	35
443	85	200	620	30	16.2	11.7	194	41
133	69	<100	150	14	6.4	4.7	71	16
41	65	<100	130	8	4.8	2	76	7
38	56	<100	130	9	6.4	2	53	7
42	46	100	250	3	2.2	1.2	86	4
53	17	300	440	5	2.5	1.7	296	5
77	102	<100	1110	9	4.8	3	286	11
89	100	100	230	12	6.7	3.2	133	11
80	655	100	1050	7	3.8	2.2	294	8
408	37	200	710	18	8.3	8.4	88	30
504	136	200	2070	43	24	12.3	162	45
167	388	100	790	22	13.3	7.1	198	28
660	109	<100	4990	76	41.7	24.3	23	101
1370	124	100	1330	54	26.1	22	160	91
270	101	<100	4310	19	8.9	7.5	20	31
200	69	<100	4270	19	8.9	9	20	37
141	237	200	730	10	5	3.1	206	11
50	149	<100	770	18	11.4	3.2	104	13
519	92	<100	16600	100	67.7	21.2	242	95
438	82	<100	11900	151	104	25.7	174	120
246	130	100	3700	30	17.6	7.8	91	31
118	119	<100	480	13	6.8	3.7	68	12
277	666	200	1010	16	8.4	5.8	337	21
113	81	200	330	9	4.4	3.1	206	10
28	45	<100	300	5	3.2	1.3	131	4
73	68	100	240	7	3.4	2.2	140	8
97	190	<100	220	12	7.9	3.6	86	12
166	241	<100	330	18	8.2	5.5	37	20
213	308	200	400	10	4.8	4.4	242	14
33	35	<100	280	2	1.7	0.9	270	3
343	85	<100	7060	25	12.7	10.2	16	45
179	25	200	240	11	4.8	5.2	70	19
65	68	<100	160	12	6.7	3.6	34	11
76	45	200	320	7	4.2	2.4	216	7
50	16	<100	220	9	5.2	2.4	43	8
39	52	<100	290	9	6.2	2.2	39	8
74	23	<100	430	20	11.4	4.6	40	17
113	36	<100	430	16	8.5	5.3	30	17
74	211	300	210	10	6.2	3	81	11
150	101	300	260	11	6.2	2.7	209	10
150	83	100	260	14	6.3	5.3	32	17
69	109	<100	290	13	7.4	3.6	31	12

	30	8	<100		670	2	1.4	0.9	347	3
	21	6	<100		280	2	1	0.8	259	2
	146	11		400	320	13	5.5	4.9	63	16
<5		6	<100		170	<1	0.5	<0.5	94	<1
	106	63		200	410	10	6.1	3.3	131	10
	102	81	<100		270	11	7.1	3.2	127	12
	36	90	<100		200	9	6.1	2	54	7
	53	16		200	220	5	3	1.7	152	6
	15	17	<100		130	1	0.9	0.5	97	1
	65	28		500	270	4	2.7	1.6	177	5
	34	59	<100		210	5	3.1	1.3	122	4
	66	60		200	250	5	2.5	2.2	430	6
	27	32	<100		40	<1	0.6	0.6	194	1
	63	50		200	280	7	3.8	2.6	260	8
	48	66		200	230	6	3.8	2	187	6
	62	31		200	190	8	3.7	2.8	179	9
	73	36	<100		220	11	6.1	2.9	43	10
	69	63	<100		270	12	7.1	3.5	71	12
	81	129	<100		290	13	8.5	4.6	114	15
	55	34	<100		370	17	10.3	5.1	69	18
	48	57	<100		160	11	7	2.6	80	8
	73	42	<100		190	12	7.2	3.8	47	11
	42	37	<100		150	10	7	2.4	42	8
	25	38	<100		140	5	3.6	1.4	78	4
	43	78	<100		90	8	5.5	2.2	62	7
	83	65	<100		200	11	5.6	3.4	70	11
	42	143	<100		360	8	5	2	88	7
	116	42	<100		200	9	4.2	3.5	24	13
	28	40	<100		170	12	8	2.5	18	9
	60	29	<100		360	19	9.9	4.6	15	16
	22	18	<100		4650	12	7.9	2.7	17	9
	80	96	<100		1690	15	8.7	3.7	98	13
	188	164	<100		290	12	8	4.2	225	14
	68	43	<100		110	17	8.1	4.4	14	15
	28	100	<100		130	10	5.6	2	33	7
	35	41	<100		430	6	4.1	1.3	63	4
	158	161	<100		350	20	11.4	5.9	44	20
	168	41	<100		240	12	6.2	4	114	13
	302	67		200	450	16	7.2	5.9	129	20
	61	30	<100		160	9	5.4	2.6	61	9
	345	34		100	300	29	14.2	13	101	44
	13	105	<100		730	2	1.8	0.6	145	2
	71	48	<100		430	12	7.7	3.1	53	10
	8	117	<100		320	4	3.5	0.7	118	2
	32	68	<100		760	8	5.6	1.8	133	6
	62	35	<100		760	15	9.5	3.8	15	13
	79	79	<100		150	9	4.7	3.5	65	11
	87	109	<100		110	14	7.8	4.3	35	14
	52	105	<100		100	8	4.7	2.6	56	8
	51	100	<100		190	11	6.5	3	49	10
	24	39	<100		200	7	4.3	1.7	64	5
	26	116	<100		510	11	7.4	2.3	50	8

54	57	<100		300	9	5.6	2.5	42	8	
104	77	<100		190	26	13.5	6.9	46	24	
18	86	<100		80	6	4	1.4	56	4	
35	44	<100		80	10	5.3	2.4	20	8	
112	75	<100		130	17	7.3	4.7	23	16	
107	63	<100		350	27	13.1	8.5	29	32	
13	37	<100		220	10	6.8	1.5	27	5	
7	20	<100		310	1	0.9	<0.5	115	<1	
50	98	<100		1440	12	6.6	2.5	64	9	
42	39	<100		1550	5	2.5	1.9	210	6	
58	71	<100		250	9	4.9	2.8	133	9	
228	35	<100		490	12	5.7	5.3	180	18	
35	68	<100		590	4	2.8	1.2	84	4	
494	75		200	1150	26	12.3	10.3	281	38	
214	81		100	450	17	11.3	5.4	221	20	
8	41	<100		140	2	1.7	0.5	133	1	
73	87	<100		1030	8	4.5	2.5	233	9	
350	82	<100		14700	73	51.5	14.6	275	66	
395	74	<100		4960	24	12.3	9.7	18	42	
43	10	<100		590	3	1.6	1.2	364	4	
I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
42	73	<100		80	9	6	2.3	50	7	
172	133	<100		320	21	11.6	6.9	37	23	
50	96	<100		100	8	4.4	2.6	49	8	
53	129	<100		1480	9	5.2	2.1	76	7	
19	56	<100		840	3	1.3	1.5	3	5	
16	60	<100		840	3	1.2	1.5	2	5	
16	47	<100		730	3	1	1.1	2	4	
<5	<5	<100	<10	<1	<0.5	<0.5	<1	<1		
<5	<5	<100	<10	<1	<0.5	<0.5	<1	<1		
<5	<5	<100	<10	<1	<0.5	<0.5	<1	<1		

La MMI-M5	Li MMI-M5	Mg MMI-M5	Mo MMI-M5	Nb MMI-M5	Nd MMI-M5	Ni MMI-M5	Pb MMI-M5	Pd MMI-M5
1	5	1	5	0.5	1	5	10	1
PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPB
10	<5	2	12	4.6	7	143	20	<1
17	7	1	17	8.1	24	235	260	<1
30	<5	<1	24	3.7	47	121	320	<1
32	<5	<1	10	1.9	46	155	310	<1
78	<5	<1	11	1.6	88	90	150	<1
89	<5	<1	16	3.5	148	89	200	<1
185	11	2	9	12.5	231	133	270	<1
74	<5	<1	8	8.7	76	140	140	<1
20	<5	<1	7	7	26	259	300	<1
23	<5	<1	7	2.9	26	184	240	<1
26	<5	1	11	11.3	20	61	450	<1
31	15	3	14	40.3	24	87	80	<1
41	6	13	14	5.3	47	194	40	<1
36	6	2	7	5.6	41	268	130	<1
32	8	18	18	6.7	36	282	50	<1
158	8	11	8	9.5	171	198	580	<1
224	9	2	12	8.2	245	100	460	<1
90	7	49	8	2.1	127	421	200	<1
340	<5	31	11	<0.5	446	291	1630	<1
415	6	18	10	3.9	501	241	400	<1
126	11	40	807	3.3	161	881	260	<1
145	10	29	81	1.5	195	311	410	<1
57	15	9	17	16.8	56	173	280	<1
21	<5	5	7	2.2	33	252	780	<1
274	<5	5	21	3.5	365	293	560	<1
232	<5	5	11	2.6	360	308	790	<1
126	7	1	9	2.5	131	212	360	<1
42	<5	<1	7	3.4	54	294	220	<1
110	9	7	40	10.8	115	218	250	<1
47	<5	1	18	14.6	44	148	130	<1
15	6	2	7	2.7	15	116	270	<1
28	<5	5	49	7.1	31	254	910	<1
57	<5	<1	8	4.7	54	259	120	<1
65	<5	<1	9	2	81	276	150	<1
90	11	4	40	26.7	78	166	470	<1
20	9	3	16	9.8	14	106	100	<1
162	8	58	340	3.9	227	598	490	<1
129	13	6	29	23.6	121	123	160	<1
29	<5	<1	10	1.1	42	176	190	<1
38	10	2	14	15.2	37	92	810	<1
18	<5	<1	9	3.4	28	195	310	<1
17	<5	<1	8	1.7	26	110	460	<1
29	<5	<1	18	1.5	58	208	1260	<1
48	<5	<1	15	1.5	69	161	780	<1
33	7	3	13	7.9	42	421	440	<1
38	14	4	20	20.3	39	218	790	<1
64	<5	<1	8	4.4	73	85	240	<1
33	<5	<1	5	1	50	414	260	<1

16	<5			1		6		3.8		13		63		20	<1
12	<5		<1			6		7.8		10		54		20	<1
76		11		1		14		20		73		51		220	<1
2	<5			1	<5			3.4		2		43	<10		<1
54		7	<1			9		11.5		52		101		100	<1
57		7	<1			8		7.4		51		170		230	<1
19	<5		<1			6		2.6		24		170		230	<1
28	<5		<1			8		16.7		25		96		50	<1
9	<5		<1			6		3.7		6		49		100	<1
36	<5			2		8		7.3		27		172		30	<1
17	<5			4		7		5.1		15		101		100	<1
38	<5			5		27		21.3		30		154		70	<1
7	<5			4		10		5.6		6		52		10	<1
36		17		6		167		41.6		34		124		1000	<1
28		11		4		74		27		25		180		420	<1
37		7		5		36		22.3		36		288		1410	<1
29	<5		<1			9		2.3		41		136		480	<1
34	<5			2		6		3.1		50		270		270	<1
55	<5			2		10		4		71		219		240	<1
51	<5			2		11		5.1		82		145		250	<1
21	<5			2		6		2.9		30		213		180	<1
35	<5		<1		<5			1.4		45		190		170	<1
19	<5		<1		<5			1.3		28		106		230	<1
13	<5		<1			5		2.6		17		177		120	<1
21	<5		<1			5		1.8		25		199		190	<1
36		6		1		8		7.8		44		137		300	<1
21		5	<1			7		3.4		24		201		250	<1
71	<5			2		12		2.5		63		93		480	<1
16	<5		<1			7	<0.5			27		92		610	<1
40	<5		<1			10		0.5		57		89		890	<1
10	<5		<1			23	<0.5			23		51		14600	<1
33	<5			2		54		2.2		46		165		4480	<1
93		30		52	<5			5.9		82		182		200	<1
32	<5		<1			6		1.3		51		138		250	<1
15	<5		<1			6		1.9		21		164		330	<1
17	<5		<1			6		1.5		17		63		80	<1
57	<5		<1			7		3.7		86		115		200	<1
86	<5		<1			6		6.4		71		143		90	<1
98		8	<1			10		15.2		98		116		150	<1
42	<5		<1			5		4.3		37		89		100	<1
201		6	<1			12		14.2		238		56		160	<1
8		7		4		21		10.9		7		108		30	<1
31	<5		<1			13		2.1		42		126		350	<1
5		15		4		17		8.5		6		130		1960	<1
14		10		1		40		9		19		164		1500	<1
31	<5		<1			11		1.4		47		56		640	<1
53	<5		<1			9		9		48		98		210	<1
37	<5		<1			7		2.6		53		91		190	<1
22	<5			2		6		2.8		31		164		190	<1
22		6		1	<5			1.4		34		272		180	<1
12	<5		<1		<5			2.4		15		166		130	<1
14	<5		<1		<5			0.6		23		223		120	<1

23	<5	<1	<5	1.5	32	105	120	<1
38	<5	<1	<5	2.1	86	247	170	<1
8	<5	<1	5	1.5	13	260	190	<1
13	<5	<1	6	0.6	27	151	180	<1
44	<5	<1	7	1.9	63	122	250	<1
96	<5	3	13	1.6	147	173	340	<1
8	<5	<1	7	0.8	13	110	1160	<1
4	6	<1	14	4.3	3	43	800	<1
21	<5	<1	21	1.7	26	54	7140	<1
20	<5	<1	47	2.3	22	103	200	<1
33	12	3	22	9.1	34	171	210	<1
120	6	2	10	7.9	116	124	60	<1
21	<5	<1	5	3.2	16	85	60	<1
235	11	8	9	8.8	231	327	400	<1
127	10	4	10	10.7	119	174	90	<1
4	<5	2	11	4.4	4	112	10	<1
36	7	12	13	4.8	41	179	40	<1
184	<5	5	13	2.4	244	278	450	<1
180	8	54	273	4.8	219	483	540	<1
23	<5	2	7	5.7	18	85	30	<1
I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
20	<5	<1	6	1.7	26	169	220	<1
61	<5	<1	7	2.8	100	99	190	<1
21	<5	2	6	2.3	30	154	210	<1
23	<5	<1	21	2	25	58	6180	<1
4	<5	33	43	<0.5	16	325	170	53
3	<5	33	42	<0.5	14	368	170	47
3	<5	30	38	<0.5	13	283	150	47
<1	<5	<1	<5	<0.5	<1	<5	<10	<1
<1	<5	<1	<5	<0.5	<1	<5	<10	<1
<1	<5	<1	<5	<0.5	<1	<5	<10	<1

Pr	Rb	Sb	Sc	Sm	Sn	Sr	Ta	Tb
MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
1	5	1	5	1	1	10	1	1
PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
2	101	<1	32	1	<1	120	3	<1
6	146	1	46	6	1	80	3	2
11	71	3	52	11	<1	20	2	2
11	85	<1	45	11	<1	60	1	2
23	159	<1	56	20	<1	<10	1	4
34	95	1	58	34	<1	20	1	6
59	60	2	71	45	1	220	2	6
20	50	1	37	16	1	50	1	3
7	62	1	35	6	<1	30	1	1
7	181	1	38	6	<1	<10	<1	1
6	104	2	55	4	2	180	1	<1
7	119	2	56	5	6	80	3	<1
12	128	2	36	10	<1	340	<1	2
11	104	2	35	9	<1	190	<1	2
10	79	4	37	7	1	630	<1	1
46	67	5	42	32	1	480	1	4
65	45	22	71	47	<1	120	1	8
31	13	11	35	27	<1	1050	<1	4
112	22	37	81	95	<1	1080	<1	15
135	110	10	67	94	<1	570	<1	12
38	133	214	20	31	<1	430	<1	4
46	46	52	24	38	<1	440	<1	4
15	70	2	55	11	4	260	2	2
8	101	1	33	10	<1	230	<1	3
92	32	8	146	80	<1	490	<1	17
88	29	5	173	92	<1	500	<1	24
35	24	7	58	27	<1	130	<1	5
14	68	1	25	12	<1	60	<1	2
31	101	52	39	23	3	270	<1	3
12	88	3	35	10	2	80	1	2
4	201	1	23	4	<1	170	<1	<1
8	140	11	25	7	<1	420	<1	1
14	140	2	49	11	<1	80	<1	2
21	148	1	35	19	<1	100	<1	3
22	185	8	51	16	4	260	2	2
5	102	4	27	3	<1	180	<1	<1
54	172	90	13	42	<1	670	<1	6
34	85	24	34	21	3	360	2	3
10	119	1	37	10	<1	130	<1	2
10	170	5	42	8	1	110	1	1
7	127	1	32	8	<1	120	<1	2
7	144	2	32	6	<1	10	<1	2
13	116	2	24	15	<1	30	<1	3
16	137	3	32	16	<1	20	<1	3
10	97	1	27	10	<1	240	<1	2
10	158	3	46	9	3	150	2	2
18	131	1	38	17	<1	<10	2	3
12	108	<1	31	11	<1	120	<1	2

	4	87		1	14	3	<1		70	<1		<1				
	3	87		1	14	2		1	40	<1		<1				
	19	98		2	52	16		3	<10			2		3		
<1		71	<1		17	<1		<1		40	<1		<1			
	14	30		3	35	11		2	20		1		2			
	14	67		1	34	11	<1		20	<1			2			
	6	148	<1		25	5	<1		40	<1			1			
	7	59		1	58	6		3	60		1		1			
	2	73	<1		34	1	<1		30	<1		<1				
	8	56		1	20	6	<1		50	<1		<1				
	4	52	<1		18	3	<1		180	<1		<1				
	8	62		3	12	6	<1		370		2	<1				
	2	41		2	11	1	<1		220	<1		<1				
	9	140		45	64	8		8	300		3		1			
	7	102		6	48	6		5	120		2		1			
	9	118		11	45	8		4	270		2		2			
	10	124		2	17	9	<1		50	<1			2			
	12	198		1	26	11	<1		170	<1			2			
	18	107		4	30	15	<1		180	<1			3			
	19	73		10	28	17	<1		120	<1			3			
	7	158	<1		31	7	<1		310	<1			2			
	11	123	<1		31	11	<1		30	<1			2			
	7	106	<1		31	7	<1		20	<1			2			
	4	119	<1		24	4	<1		80	<1		<1				
	6	187		1	27	6	<1		20	<1			1			
	11	140		1	32	10	<1		40	<1			2			
	6	153		1	29	6	<1		50	<1			1			
	17	181		1	25	13	<1		160	<1			2			
	6	104	<1		29	7	<1		<10		<1			2		
	14	145		1	29	13	<1		10	<1			3			
	5	113		21	25	7	<1		<10		<1			2		
	11	63		29	22	12	<1		240	<1			3			
	24	25		1	19	15	<1		800	<1			2			
	12	134		1	29	13	<1		60	<1			3			
	5	199	<1		23	5	<1		290	<1			1			
	5	78		1	20	4	<1		30	<1		<1				
	22	111		1	38	20	<1		<10		<1			4		
	20	84		1	29	14	<1		40	<1			2			
	28	88		2	41	22		2	10		1		3			
	10	51		1	28	8	<1		10	<1			1			
	63	44		2	55	46		2	<10			1		6		
	2	44		1	17	2		2	90	<1		<1				
	11	139		1	25	9	<1		<10		<1			2		
	2	238		1	24	2		1	390	<1		<1				
	5	143		2	33	5		1	50		2		1			
	11	123		7	32	10	<1		<10		<1			2		
	12	170		2	30	11		1	60		1		2			
	13	67		1	38	13	<1		<10		<1			2		
	8	119		1	21	8	<1		170	<1			2			
	8	110		1	26	8	<1		140	<1			2			
	4	116	<1		18	4	<1		90	<1			1			
	5	45	<1		27	6	<1		110	<1			2			

	8		56	<1			23		8	<1			30	<1			1		
	19		125	<1			32		21	<1			30	<1			4		
	3		105	<1			13		3	<1			50	<1		<1			
	6		64	<1			17		7	<1			10	<1			2		
	15		68	<1			32		15	<1			90	<1			3		
	34		158		4		26		31	<1			220	<1			5		
	3		52		1		21		4	<1			30	<1			1		
	1		58		1		7	<1		<1			60	<1		<1			
	7		116		2		25		7	<1			10	<1			2		
	6		75		4		16		5	<1			20	<1		<1			
	9		95		1		24		8		1		150	<1			2		
	29		37		1		18		20	<1			150	<1			2		
	5		35		1		18		3	<1			10	<1		<1			
	62		83		2		51		41	<1			310	<1			6		
	33		28		2		45		21		1		150	<1			3		
	1		94	<1			9		1	<1			140	<1		<1			
	11		114		2		19		9	<1			320	<1			1		
	62		29		6		108		54	<1			470	<1			7		
	54		145		59		9		41	<1			660	<1			5		
	5		76		2		12		4	<1			80	<1		<1			
I.S.		I.S.		I.S.		I.S.		I.S.		I.S.		I.S.		I.S.		I.S.			
	7		186		1		20		7	<1			10	<1			1		
	23		100		1		35		22	<1		<10		<1			4		
	8		123	<1			21		8	<1			160	<1			2		
	7		114		2		28		6	<1			10	<1			1		
	3		315		2		13		5	<1			530	<1		<1			
	3		299		2		13		5	<1			510	<1		<1			
	3		287		1		5		4	<1			510	<1		<1			
<1		<5		<1		<5		<1		<1		<10		<1		<1			
<1		<5		<1		<5		<1		<1		<10		<1		<1			
<1		<5		<1		<5		<1		<1		<10		<1		<1			

Te	Th	Ti	Tl	U	W	Y	Yb	Zn
MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
10	0.5	3	0.5	1	1	5	1	20
PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
<10	3.9	1120	0.6	3	5	9	2	<20
<10	10	1950	<0.5	5	4	52	6	50
<10	11.6	1000	<0.5	8	3	90	9	60
<10	5.4	327	<0.5	4	2	87	7	30
<10	12.9	277	<0.5	5	2	129	10	<20
<10	26.9	937	<0.5	9	2	176	14	50
<10	63.8	3430	0.7	9	4	159	14	100
<10	17.3	3030	<0.5	5	2	70	5	50
<10	13.1	2200	<0.5	5	1	39	4	40
<10	6.5	547	<0.5	3	2	57	6	80
<10	29.6	2300	<0.5	6	3	21	2	1320
<10	15.8	12500	0.6	8	3	22	2	170
<10	11.2	1510	<0.5	9	1	50	5	190
<10	11.3	1730	<0.5	4	<1	63	5	140
<10	21.6	1760	0.5	9	2	39	3	270
<10	30.4	2440	<0.5	12	2	87	6	100
<10	89.1	1780	<0.5	22	2	197	19	310
<10	12.9	1520	<0.5	7	2	143	12	1160
<10	20.3	25	<0.5	88	<1	478	30	60
<10	42.3	1300	<0.5	39	1	265	20	90
<10	22.8	73	<0.5	231	2	116	8	600
<10	15	196	<0.5	42	2	107	7	930
<10	22.3	6240	0.7	9	2	50	4	290
<10	10.4	600	<0.5	6	1	113	9	1260
<10	32.2	343	<0.5	389	1	687	58	80
<10	40.3	286	<0.5	447	1	1110	85	160
<10	28.4	532	<0.5	21	2	185	17	90
<10	14.9	716	<0.5	6	<1	61	5	350
<10	28.7	4010	0.6	12	2	74	8	140
<10	18.9	4200	<0.5	6	1	37	4	310
<10	5.2	441	<0.5	3	<1	24	3	280
<10	20.4	2080	<0.5	5	<1	33	3	6360
<10	13.1	1390	<0.5	5	<1	76	8	5550
<10	23.4	424	<0.5	6	<1	87	6	4050
<10	26.2	9600	<0.5	7	2	47	4	3430
<10	11.4	2820	<0.5	4	<1	10	2	460
<10	31.5	59	<0.5	56	<1	149	11	500
<10	27.5	9120	<0.5	7	1	53	4	400
<10	5.3	299	<0.5	4	<1	65	5	500
<10	16.3	3560	<0.5	6	<1	35	4	1830
<10	10.1	1000	<0.5	4	<1	50	4	6120
<10	7.2	318	<0.5	4	<1	56	6	1430
<10	5.4	372	<0.5	4	<1	107	9	2500
<10	9.8	306	<0.5	4	<1	90	7	2660
<10	12	3320	<0.5	4	2	58	5	1320
<10	29.6	6600	<0.5	7	1	56	5	950
<10	15.7	1380	<0.5	6	2	66	5	70
<10	7.3	138	<0.5	4	<1	83	6	100

<10	7.5	799	<0.5		3	<1		10	1	20
<10	6.6	1990	<0.5		2	<1		9	1	50
<10	31.7	5600	<0.5		12	3		53	4	140
<10	5.1	761	<0.5		2	<1	<5	<1	<20	
<10	15.5	4030	<0.5		8	1		47	6	300
<10	12.8	2280	<0.5		6	<1		63	6	50
<10	5.1	712	<0.5		4	<1		58	5	50
<10	10.3	5310	<0.5		6	1		25	3	140
<10	10	683	<0.5		4	1		7	1	80
<10	12	3620		0.6	6	2		22	3	80
<10	10.1	1140	<0.5		3	<1		22	3	70
<10	13.6	4710		0.6	6	<1		18	2	120
<10	3.3	1470	<0.5		2	<1	<5	<1	<20	
<10	19.4	12600	<0.5		6	8		36	4	1950
<10	10.9	9660	<0.5		5	2		30	4	1670
<10	10.9	7070	<0.5		4	1		37	3	1710
<10	8.2	555	<0.5		4	<1		66	5	400
<10	11	899	<0.5		4	<1		67	6	1800
<10	13.3	1090	<0.5		6	<1		82	7	1600
<10	9.7	1650	<0.5		6	<1		106	9	130
<10	6.8	825	<0.5		5	<1		59	5	100
<10	7.3	275	<0.5		4	<1		70	6	60
<10	5.6	316	<0.5		4	<1		56	6	110
<10	4.6	760	<0.5		3	<1		29	3	100
<10	6.3	315	<0.5		3	<1		43	5	300
<10	12.4	2660	<0.5		4	<1		51	4	1180
<10	9.5	778	<0.5		5	<1		40	5	3110
<10	15.9	698	<0.5		8	<1		55	3	740
<10	3.1	87	<0.5		2	<1		81	7	1800
<10	4	125	<0.5		3	<1		114	7	70
<10	3	76	<0.5		4	<1		73	7	240
<10	11.2	502	<0.5		7	<1		82	6	80
<10	46.5	918	<0.5		14	<1		65	8	60
<10	9.3	292	<0.5		6	<1		84	6	130
<10	5.5	466	<0.5		4	<1		55	5	170
<10	7	299	<0.5		4	<1		30	4	140
<10	14.6	1020	<0.5		5	<1		108	10	100
<10	25.2	1640		0.5	8	<1		54	6	20
<10	44	5370		0.5	10	2		70	6	40
<10	12	1480	<0.5		9	<1		51	4	20
<10	14.5	5840	<0.5		6	1		144	11	30
<10	4.2	3960	<0.5		2	<1		11	2	70
<10	8.6	631	<0.5		5	<1		64	6	30
<10	5.6	2680	<0.5		3	<1		24	3	2340
<10	11.7	2610	<0.5		5	2		45	5	1200
<10	5.6	278	<0.5		4	1		100	8	740
<10	10.4	3050	<0.5		4	<1		48	4	300
<10	10.8	636	<0.5		4	2		70	7	280
<10	9.8	511	<0.5		4	1		42	4	170
<10	4.4	273	<0.5		2	1		60	5	890
<10	5	520	<0.5		3	<1		34	4	<20
<10	4.6	141	<0.5		4	<1		68	6	30

<10		5.9		314	<0.5		4	<1		50		5		120
<10		9		778	<0.5		3		4	135		9		40
<10		4.7		229	<0.5		3	<1		31		4		290
<10		4.8		98	<0.5		3	<1		55		4		40
<10		13.5		505	<0.5		6	<1		78		5		440
<10		11		381	<0.5		6	<1		160		10		690
<10		3.3		189	<0.5		2		1	58		6		390
<10		3.5		1150	<0.5		2	<1		5	<1			350
<10		12.6		248	<0.5		7	<1		55		5		980
<10		10.9		443	<0.5		7	<1		21		2	<20	
<10		8.6		2990	<0.5		5	<1		47		4		50
<10		19		1560	<0.5		9	<1		47		4		70
<10		6.4		796	<0.5		2		1	21		3		140
<10		49.7		1910	<0.5		11		1	117		9		410
<10		36.7		3360	<0.5		10		1	96		10		110
<10		3.1		1220	<0.5		3	<1		10		2	<20	
<10		9.4		1420	<0.5		9	<1		43		4		140
<10		23.8		251	<0.5		359		1	514		32		50
<10		31.8		85	<0.5		48	<1		151		10		360
<10		10		1040	<0.5		4		1	16		1		40
I.S.	I.S.		I.S.		I.S.	I.S.		I.S.		I.S.		I.S.		I.S.
<10		6.2		262	<0.5		3	<1		53		5		300
<10		13.6		830	<0.5		5		1	111		9		90
<10		8.6		415	<0.5		4	<1		45		3		150
<10		13.4		305	<0.5		7	<1		41		4		980
<10		22.3	<3		<0.5		43	<1		14	<1			370
<10		22.4	<3		<0.5		44	<1		14	<1			370
<10		20.4	<3		<0.5		39	<1		13	<1			300
<10	<0.5		<3		<0.5	<1		<1	<5		<1		<20	
<10	<0.5		<3		<0.5	<1		<1	<5		<1		<20	
<10	<0.5		<3		<0.5	<1		<1	<5		<1		<20	

Zr
MMI-M5
5
PPB
13
30
29
16
28
39
78
34
27
21
113
79
39
26
31
46
79
15
25
34
31
24
59
16
109
103
174
27
54
65
16
36
34
41
71
28
49
154
15
53
30
22
17
24
28
69
41
17

22
27
106
19
47
40
16
48
41
28
20
49
14
81
56
53
19
21
35
28
21
20
15
16
16
42
26
29
12
13
11
25
20
22
15
17
31
35
77
24
49
25
22
29
46
15
41
27
23
12
15
10

16
17
13
7
24
20
11
17
35
36
34
41
18
54
47
14
29
70
65
31
I.S.
21
27
21
39
17
13
13
<5
<5
<5

ANALYTE	Ag	Al	As	Au	Ba	Bi	Ca	Cd
METHOD	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
DETECTIC	1	1	10	0.1	10	1	10	10
UNITS	PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB
HM-06-116	6	252	<10	0.6	330	<1	<10	<10
HM-06-117	13	179	<10	0.6	420	<1	<10	<10
HM-06-118	21	171	<10	0.2	260	<1	<10	<10
HM-06-119	10	224	<10	0.2	330	<1	<10	<10
HM-06-120	13	203	<10	0.3	360	<1	<10	<10
HM-06-121	12	200	<10	0.2	350	<1	<10	<10
HM-06-122	7	138	20	6.5	420	<1	<10	<10
HM-06-123	11	126	<10	37.4	230	<1	<10	<10
HM-06-124	3	266	20	3.3	200	11	<10	10
HM-06-125	92	206	<10	1	480	<1	<10	<10
HM-06-126	10	227	<10	<0.1	480	<1	<10	<10
HM-06-127	17	225	<10	0.1	400	<1	<10	<10
HM-06-128	23	193	<10	<0.1	400	<1	<10	<10
HM-06-129	12	212	<10	<0.1	710	<1	<10	<10
HM-06-130	7	180	<10	<0.1	180	<1	<10	<10
HM-06-131	6	264	10	0.2	1000	<1	<10	<10
HM-06-132	4	191	<10	0.2	270	<1	<10	<10
HM-06-133	12	148	<10	0.2	300	<1	<10	<10
HM-06-134	5	248	<10	<0.1	650	<1	<10	<10
HM-06-135	22	172	<10	<0.1	340	<1	<10	<10
HM-06-136	12	240	<10	1.5	800	<1	<10	10
HM-06-137	7	195	<10	1.5	510	1	<10	<10
HM-06-138	157	202	10	9.1	190	2	<10	10
HM-06-139	10	120	50	3.7	410	21	<10	30
HM-06-140	2	183	10	1.4	340	9	<10	<10
HM-06-141	8	149	<10	1.3	500	<1	<10	<10
HM-06-142	32	218	<10	0.8	610	<1	<10	<10
HM-06-143	16	173	<10	0.3	170	<1	<10	<10
HM-06-144	19	224	<10	0.2	790	<1	50	<10
HM-06-145	8	185	<10	0.2	310	<1	<10	<10
HM-06-146	4	143	<10	0.4	110	<1	<10	10
HM-06-147	2	130	<10	0.9	250	<1	<10	<10
HM-06-148	4	144	<10	0.4	190	<1	<10	<10
HM-06-149	11	241	<10	0.2	400	<1	<10	<10
HM-06-150	7	169	<10	1.5	620	<1	<10	<10
HM-06-151	2	204	<10	0.5	600	2	<10	<10
HM-06-152	6	174	<10	2.6	160	<1	<10	<10
HM-06-153	4	185	20	0.8	220	12	<10	<10
HM-06-154	2	230	<10	0.5	390	3	<10	<10
HM-06-155	5	224	10	2.4	230	7	<10	<10
HM-06-156	10	219	<10	1.4	480	<1	20	10
HM-06-157	16	186	<10	1.2	700	<1	<10	20
HM-06-158	11	256	<10	0.7	690	<1	<10	<10
HM-06-159	2	198	30	0.5	960	3	<10	<10
HM-06-160	4	227	20	0.2	990	2	10	<10
HM-06-161	5	204	20	1	900	2	10	10
HM-06-162	7	121	10	5.1	840	1	<10	<10
HM-06-163	14	173	20	4.9	590	1	<10	<10

HM-06-164		298		91	<10			64.3		40		3	<10		<10	
HM-06-165		3		128	<10			3.5		110	<1		<10		<10	
HM-06-166		28		172	<10			27.2		170		1	<10		<10	
HM-06-167		94		190		20		43.7		660		17	<10			30
HM-06-168		15		197	<10			0.5		610		1		20	<10	
HM-06-169		12		106	<10			0.3		1330	<1			120	<10	
HM-06-170		13		225	<10			0.3		220	<1			20	<10	
HM-06-171		8		176	<10			1.5		200	<1		<10		<10	
HM-06-172		8		178	<10			0.4		200	<1		<10		<10	
HM-06-173		25		174	<10			0.2		190	<1		<10		<10	
HM-06-174		25		224	<10			0.5		1210	<1			10	<10	
HM-06-175		25		205	<10			0.4		610	<1			20	<10	
HM-06-176		17		217	<10			3.2		540		4	<10		<10	
HM-06-177		5		200		70		2.1		510		40	<10			10
HM-06-178		48		192		10		6.7		300		2	<10		<10	
HM-06-179		3		77	<10			0.6		1060	<1			90	<10	
HM-06-180		4		103	<10			0.6		110	<1		<10		<10	
HM-06-181		1		218		50	<0.1			720		2	<10			20
HM-06-182		7		109	<10			0.4		260	<1			60	<10	
HM-06-183		9		75	<10			3.2		830		1		140	<10	
HM-06-184		5		91	<10			0.4		860	<1			200		20
HM-06-185		4		130	<10			0.7		410	<1		<10		<10	
HM-06-186	<1			247	<10			0.1		320	<1		<10			10
HM-06-187	<1			204	<10		<0.1			310	<1		<10		<10	
HM-06-188		20		42	<10			2.8		120	<1		<10		<10	
HM-06-189		43		155		270		2.2		780		77		30		30
HM-06-190		32		167	<10			0.7		230	<1		<10		<10	
HM-06-191		6		191	<10			0.2		250	<1		<10		<10	
HM-06-192		35		211		10		2.2		430		2	<10		<10	
HM-06-193		45		190	<10			1.3		230	<1		<10		<10	
HM-06-194		26		129	<10			1		1270	<1			80	<10	
HM-06-195		39		86	<10			3.3		330	<1			110	<10	
HM-06-196		17		181	<10			0.9		500	<1			40	<10	
DUP-HM-0		3		192	<10			0.4		310	<1		<10		<10	
DUP-HM-0		19		181	<10		<0.1			290	<1		<10		<10	
DUP-HM-0		2		178	<10			1.3		360		7	<10		<10	
DUP-HM-0		5		164	<10			2.2		180	<1		<10		<10	
DUP-HM-0		235		82	<10			65.1		20		2	<10		<10	
DUP-HM-0		18		223	<10			3.2		420		4	<10		<10	
DUP-HM-0		16		36	<10			2.4		120	<1		<10		<10	
MMISRM1		18		40		10		40.5		60	<1			190	<10	
MMISRM1		18		28		10		41.5		60	<1			200	<10	
BLANK	<1		<1		<10		<0.1		<10		<1		<10		<10	
BLANK	<1		<1		<10		<0.1		<10		<1		<10		<10	

Ce	Co	Cr	Cu	Dy	Er	Eu	Fe	Gd
MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
5	5	100	10	1	0.5	0.5	1	1
PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPM	PPB
162	75	<100	620	12	6.5	4.2	91	15
75	134	<100	310	13	7.6	2.8	39	11
75	35	<100	240	19	11.3	4.2	26	15
55	18	<100	140	10	6	2.4	72	9
45	61	<100	150	12	7.7	2.2	38	8
44	56	<100	150	13	8	2.3	37	8
31	17	<100	2130	3	1.4	1.3	307	4
22	48	<100	2980	3	1.3	1.1	197	3
20	14	<100	160	2	1.5	0.5	38	2
141	37	300	350	15	6.7	6.1	80	20
17	52	<100	90	4	3.7	0.8	75	3
96	28	<100	60	11	5	3.8	50	12
68	49	<100	130	13	7	3.4	35	13
43	53	<100	110	7	4	1.9	85	7
52	21	<100	130	13	6.5	3	20	11
64	52	200	90	7	4.7	2.5	201	8
114	17	<100	420	12	6.3	3.6	48	12
85	44	<100	190	14	7.1	4.8	23	16
25	24	<100	100	4	2.6	1	75	3
85	34	<100	100	16	7.4	4.4	13	14
93	59	<100	600	13	6.4	4	79	14
49	27	<100	900	5	2.9	1.6	147	6
140	10	<100	1590	32	16.5	9.3	37	33
42	17	<100	1620	3	1.6	1.3	53	4
9	6	<100	780	<1	<0.5	<0.5	101	<1
104	49	<100	650	4	2.2	2.2	240	7
104	147	<100	350	15	7.7	3.9	54	14
95	22	<100	140	19	10.2	5.4	22	19
102	84	<100	130	11	5	3.9	85	14
27	38	<100	270	5	4.1	1	47	3
<5	26	<100	220	4	4.3	<0.5	36	2
14	9	<100	660	1	0.7	<0.5	191	1
38	16	<100	580	3	1.9	1.2	256	4
69	82	<100	260	17	10.6	3.1	73	12
113	81	<100	1950	12	7.8	3.6	131	12
21	53	<100	170	2	1.6	0.7	97	2
41	<5	<100	930	5	2.4	1.5	112	5
31	8	<100	550	3	1.4	1.2	57	3
8	17	<100	140	<1	<0.5	<0.5	80	<1
21	33	<100	1580	5	3.7	1.2	75	4
138	60	<100	420	15	6.2	5.6	86	20
292	84	<100	530	37	17.8	11.7	50	42
217	69	100	570	15	8.5	4.7	76	16
101	14	<100	240	13	4.9	5	244	18
76	25	200	250	7	3	2.6	113	8
63	25	100	310	6	3	2.2	120	7
28	43	<100	1170	3	1.9	1.3	325	4
55	18	<100	1180	5	2.1	2.1	292	7

121	7	<100	1020	37	21	13.1	16	47
46	<5	<100	1670	5	2.8	1.7	168	5
33	<5	<100	3660	4	2.2	1.4	107	4
42	111	<100	2200	5	3.9	1.3	190	4
119	155	<100	1010	42	23.1	6.6	140	28
507	29	<100	810	51	25.3	18.2	42	73
146	30	<100	250	16	6.6	5.3	21	19
179	37	<100	540	18	7.7	6.3	76	22
48	45	<100	340	7	4.2	1.9	31	6
37	26	<100	80	9	4.1	2.4	21	9
668	8	<100	860	34	13.7	15.5	51	56
70	35	<100	230	13	5.5	3.7	55	13
39	10	<100	2000	4	2	1.4	114	5
76	29	200	1290	8	4.2	2.8	122	9
65	32	<100	950	10	5.1	3.3	82	11
127	99	<100	380	13	5.6	5.4	54	20
165	11	<100	160	17	8.1	6.9	16	24
34	15	<100	170	6	2.7	1.7	161	5
102	23	<100	160	15	7	5.7	43	19
174	27	<100	900	28	10.4	11.6	24	43
125	58	<100	160	18	7.4	6.8	45	26
32	35	<100	380	7	3.7	1.9	101	7
13	11	<100	100	3	1.7	0.8	56	2
<5	14	<100	190	1	1.3	<0.5	138	<1
69	44	<100	270	13	7.2	4.2	11	14
61	53	200	400	7	3.4	2.2	219	8
97	53	<100	310	12	5.6	4.2	29	15
12	117	<100	160	2	2.2	0.6	135	2
137	41	<100	610	9	3.9	3.9	86	13
101	104	<100	370	13	5.7	4.4	28	16
561	20	<100	600	29	13.1	13.3	36	49
623	52	<100	690	43	16.1	22.3	16	81
34	46	<100	180	8	4.2	2	70	7
127	68	<100	760	11	5.8	3.4	148	13
72	34	<100	100	13	6.2	3.5	28	13
11	10	<100	780	<1	<0.5	<0.5	103	<1
29	<5	<100	870	3	1.6	1.2	137	4
237	<5	<100	970	42	23.2	16.7	11	61
33	16	<100	1840	5	2.8	1.3	99	4
53	38	<100	230	11	5.6	3.8	11	13
17	42	<100	680	2	1.1	1.1	3	4
15	35	<100	610	1	0.6	0.9	2	3
<5	<5	<100	<10	<1	<0.5	<0.5	<1	<1
<5	<5	<100	<10	<1	<0.5	<0.5	<1	<1

La MMI-M5	Li MMI-M5	Mg MMI-M5	Mo MMI-M5	Nb MMI-M5	Nd MMI-M5	Ni MMI-M5	Pb MMI-M5	Pd MMI-M5
1	5	1	5	0.5	1	5	10	1
PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPB
70	<5	<1	9	6	69	127	120	<1
31	<5	<1	6	1.6	37	154	210	<1
39	<5	<1	5	1.1	57	97	230	<1
34	<5	<1	7	3.2	31	72	140	<1
17	<5	<1	7	1.4	23	101	230	<1
17	<5	<1	7	1.3	25	98	210	<1
15	<5	<1	56	3.5	13	130	450	<1
9	<5	<1	42	1	9	154	660	<1
22	8	2	61	3.3	6	55	560	<1
86	<5	<1	43	9.9	82	83	1300	<1
10	<5	2	<5	2.9	8	79	130	<1
41	<5	<1	8	6.1	47	110	140	<1
27	<5	<1	<5	1.6	43	203	260	<1
17	5	<1	<5	2.9	23	175	150	<1
18	<5	<1	<5	0.8	34	87	220	<1
34	8	<1	9	16.8	33	138	280	<1
61	<5	<1	<5	2.4	54	36	130	<1
37	<5	<1	<5	1.2	60	88	240	<1
11	<5	<1	<5	5.3	10	117	90	<1
31	<5	<1	5	0.7	53	97	240	<1
41	<5	<1	22	3.4	45	116	940	<1
22	<5	4	15	5	22	114	90	<1
53	<5	<1	83	3.6	98	24	8430	<1
21	<5	<1	213	3.1	18	30	1760	<1
4	<5	<1	71	2.2	2	26	130	<1
54	<5	3	51	2.9	43	125	30	<1
39	8	2	14	1.7	52	279	270	<1
48	<5	<1	7	1.3	70	57	220	<1
50	<5	5	8	6.7	55	154	220	<1
13	5	<1	<5	1	11	62	120	<1
<1	<5	<1	<5	1.1	2	35	330	<1
6	<5	<1	6	1.4	5	41	20	<1
17	<5	<1	6	2.1	16	81	<10	<1
27	<5	2	10	7.1	40	184	410	<1
62	<5	1	26	2.1	57	212	140	<1
11	<5	3	15	6.9	7	66	190	<1
17	<5	<1	21	2.6	18	24	80	<1
15	<5	<1	168	12.5	13	22	1420	<1
3	<5	2	18	1.8	2	37	90	<1
9	<5	<1	101	7.6	9	55	4300	<1
58	7	4	16	7.7	70	111	570	<1
107	<5	<1	8	3.1	173	129	310	<1
71	<5	<1	<5	3.7	76	84	180	<1
49	<5	<1	5	1.4	49	38	380	<1
38	18	6	28	37.6	34	97	380	<1
31	17	6	28	38	31	100	330	1
11	<5	7	18	3.2	13	172	80	<1
26	<5	<1	24	6.9	24	65	160	<1

38	<5	<1	116	<0.5	157	13	6540	<1
19	<5	<1	89	1.4	21	19	50	<1
14	<5	<1	47	1.2	15	21	930	<1
18	<5	4	37	7.7	17	139	1090	<1
40	<5	11	24	7.4	68	195	580	<1
180	<5	29	19	2	302	147	440	<1
46	<5	1	6	1.2	76	147	230	<1
71	<5	<1	10	2.8	87	55	140	<1
19	<5	<1	8	0.9	23	73	200	<1
23	<5	<1	8	0.8	31	128	210	<1
252	<5	2	18	5.2	297	64	150	<1
25	<5	2	12	1.8	43	136	240	<1
17	<5	<1	55	4.8	16	32	1540	<1
35	9	4	182	28.8	37	82	490	<1
29	<5	<1	48	5.1	37	26	860	<1
48	<5	20	11	1	72	157	260	<1
58	<5	<1	<5	<0.5	102	27	200	<1
16	7	2	8	8.3	15	56	360	<1
43	<5	3	<5	1.4	61	54	210	<1
75	<5	15	8	<0.5	108	297	400	<1
52	9	28	5	1.2	78	137	320	<1
11	<5	2	<5	0.7	16	144	90	<1
4	<5	3	<5	2.2	6	49	420	<1
<1	13	3	<5	1.9	1	47	110	<1
23	<5	<1	10	<0.5	51	90	260	<1
23	<5	5	77	15.9	30	133	910	<1
35	<5	<1	19	1.3	60	51	390	<1
5	<5	2	6	3.3	4	90	110	<1
55	<5	<1	56	9.8	62	44	360	<1
42	<5	<1	17	1.1	59	93	180	<1
177	<5	8	32	3.6	249	58	170	<1
216	<5	10	13	0.6	394	58	90	<1
14	<5	6	8	2.8	20	99	230	<1
54	<5	<1	6	2.2	53	109	100	<1
28	<5	<1	<5	0.6	48	169	240	<1
5	<5	<1	66	1.5	3	22	160	<1
11	<5	<1	17	2.4	12	24	70	<1
77	<5	<1	123	<0.5	248	10	6430	<1
15	<5	<1	45	3.9	15	34	2250	<1
18	<5	<1	10	<0.5	42	69	230	<1
2	<5	29	34	<0.5	13	237	130	46
2	<5	32	35	<0.5	9	184	90	44
<1	<5	<1	<5	<0.5	<1	<5	<10	<1
<1	<5	<1	<5	<0.5	<1	<5	<10	<1

Pr MMI-M5	Rb MMI-M5	Sb MMI-M5	Sc MMI-M5	Sm MMI-M5	Sn MMI-M5	Sr MMI-M5	Ta MMI-M5	Tb MMI-M5
1	5	1	5	1	1	10	1	1
PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
19	75	<1	26	14	<1	30	2	3
10	82	<1	20	9	<1	<10	<1	2
14	67	<1	25	13	<1	<10	<1	3
9	85	<1	22	8	<1	30	<1	2
6	87	<1	21	7	<1	10	<1	2
6	86	<1	19	7	<1	10	<1	2
4	59	3	6	4	<1	40	<1	<1
3	97	2	9	3	<1	<10	<1	<1
2	27	60	18	2	<1	40	<1	<1
21	109	2	34	18	<1	<10	<1	3
2	51	<1	10	2	<1	160	<1	<1
12	97	<1	17	11	<1	70	<1	2
10	149	<1	17	11	<1	90	<1	2
6	112	<1	9	6	<1	150	<1	1
8	89	<1	20	9	<1	<10	<1	2
9	56	1	41	8	2	40	1	1
15	19	<1	30	12	<1	<10	<1	2
14	144	<1	23	15	<1	<10	<1	2
3	71	<1	15	3	<1	80	<1	<1
13	64	<1	25	13	<1	<10	<1	3
12	50	6	16	12	<1	80	<1	3
6	56	4	14	5	<1	180	<1	<1
22	122	38	43	26	<1	<10	<1	6
6	68	60	16	4	1	70	<1	<1
1	60	10	11	<1	<1	80	<1	<1
13	40	1	13	8	<1	220	<1	<1
13	179	<1	25	13	<1	240	<1	3
16	79	<1	25	17	<1	<10	<1	3
14	137	<1	23	13	<1	330	<1	2
3	69	<1	11	3	<1	20	<1	<1
<1	130	<1	15	<1	<1	<10	<1	<1
2	91	<1	6	1	<1	<10	<1	<1
5	77	1	11	4	<1	<10	<1	<1
10	124	1	31	10	<1	40	<1	2
16	51	4	19	11	<1	90	<1	2
2	72	1	32	2	<1	200	<1	<1
5	60	4	19	4	<1	<10	<1	<1
4	36	69	18	3	5	30	<1	<1
<1	44	4	10	<1	<1	180	<1	<1
3	62	34	24	3	<1	50	<1	<1
18	60	5	26	17	<1	180	<1	3
40	56	1	33	41	<1	80	<1	7
20	53	1	43	17	<1	<10	<1	3
13	17	1	9	14	<1	90	<1	3
10	80	2	63	8	12	260	3	1
8	77	2	56	7	11	260	3	1
3	68	7	12	3	<1	210	1	<1
7	41	8	12	6	<1	40	1	1

29	101	5	44	43	<1	<10	<1	7
6	110	14	22	5	<1	<10	<1	<1
4	95	13	19	4	<1	<10	<1	<1
5	58	1	20	4	<1	200	<1	<1
15	60	1	39	19	<1	280	<1	6
70	29	<1	34	67	<1	760	<1	11
19	48	<1	13	18	<1	90	<1	3
23	48	1	25	20	<1	10	<1	4
6	115	<1	16	6	<1	<10	<1	1
8	67	<1	12	8	<1	50	<1	2
78	43	3	28	58	<1	80	<1	8
10	71	<1	11	11	<1	190	<1	2
5	82	4	14	4	<1	20	<1	<1
10	44	3	52	9	8	120	2	1
9	41	14	26	10	<1	<10	<1	2
18	70	1	8	18	<1	460	<1	3
25	31	<1	22	22	<1	<10	<1	3
4	54	<1	23	4	<1	60	<1	<1
14	33	<1	21	16	<1	210	<1	3
25	7	<1	16	33	<1	340	<1	6
18	20	<1	8	21	<1	590	<1	4
4	36	<1	12	5	<1	150	<1	1
2	8	<1	8	2	<1	60	<1	<1
<1	116	<1	10	<1	<1	70	<1	<1
11	50	<1	23	13	<1	<10	<1	2
8	11	92	30	7	1	150	<1	1
14	49	1	16	15	<1	<10	<1	2
2	13	<1	14	1	<1	60	<1	<1
16	95	4	18	13	1	10	<1	2
14	124	<1	15	15	<1	10	<1	2
63	71	1	19	51	<1	300	<1	7
91	24	<1	24	87	<1	370	<1	10
5	46	<1	17	5	<1	410	<1	1
15	69	1	18	12	<1	40	<1	2
12	146	<1	18	11	<1	60	<1	2
1	62	7	15	<1	<1	90	<1	<1
4	60	3	17	3	<1	<10	<1	<1
51	102	5	41	58	<1	<10	<1	8
4	77	4	12	4	<1	<10	<1	<1
9	42	<1	17	11	<1	<10	<1	2
2	264	1	7	4	<1	470	<1	<1
2	272	<1	<5	3	<1	480	<1	<1
<1	<5	<1	<5	<1	<1	<10	<1	<1
<1	<5	<1	<5	<1	<1	<10	<1	<1

Te	Th	Ti	Tl	U	W	Y	Yb	Zn
MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
10	0.5	3	0.5	1	1	5	1	20
PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
<10	20.5	641	<0.5	9	2	54	5	120
<10	11.1	323	<0.5	5	1	65	6	160
<10	5.3	209	<0.5	4	<1	117	9	<20
<10	10.8	765	<0.5	4	<1	48	5	70
<10	6.3	285	<0.5	5	<1	67	7	80
<10	5.9	302	<0.5	5	<1	69	7	60
<10	9.9	470	<0.5	7	<1	11	1	90
<10	9.8	193	<0.5	7	<1	11	1	110
<10	5.9	724	<0.5	3	3	11	1	690
<10	10.8	3600	<0.5	5	<1	70	5	190
<10	2.6	753	<0.5	2	<1	24	3	390
<10	7.7	521	<0.5	4	<1	57	4	70
<10	6.6	328	<0.5	3	<1	67	4	170
<10	5.9	410	<0.5	2	<1	33	3	60
<10	7.9	151	<0.5	4	<1	62	5	20
<10	16.5	6060	<0.5	5	1	35	4	160
<10	10.4	545	<0.5	4	<1	59	5	90
<10	7.2	380	<0.5	3	<1	69	5	110
<10	4.3	1550	<0.5	2	<1	21	2	70
<10	7.2	92	<0.5	3	<1	75	6	90
<10	15.2	896	<0.5	12	<1	52	5	530
<10	8.1	1250	<0.5	7	<1	25	3	90
<10	11	1040	<0.5	14	<1	152	12	420
<10	22.2	521	<0.5	16	4	15	1	540
<10	14.8	503	<0.5	30	1	<5	<1	70
<10	11.1	820	<0.5	5	<1	18	2	60
<10	11.5	395	<0.5	6	<1	79	6	70
<10	9	353	<0.5	4	<1	103	8	30
<10	15.4	2280	<0.5	4	<1	46	4	80
<10	4.9	139	<0.5	3	<1	26	4	70
<10	3.7	359	<0.5	4	<1	25	4	230
<10	7.1	329	<0.5	4	<1	6	<1	40
<10	6.3	560	<0.5	3	<1	16	2	<20
<10	9.9	2400	<0.5	4	<1	97	9	190
<10	21.6	581	0.6	15	<1	55	7	30
<10	11.9	1920	<0.5	5	<1	10	2	480
<10	9.6	443	<0.5	7	<1	17	2	100
<10	13	4070	<0.5	9	2	13	1	330
<10	5.1	419	<0.5	3	<1	<5	<1	150
<10	10.1	2210	<0.5	13	<1	26	3	290
<10	17.3	2200	<0.5	11	<1	64	4	340
<10	25.2	866	<0.5	10	<1	180	13	340
<10	24.8	895	<0.5	7	<1	61	8	340
<10	9.4	264	<0.5	12	<1	56	4	20
<10	11.5	15200	<0.5	5	2	31	3	460
<10	11.4	14100	<0.5	6	2	28	3	540
<10	9	592	<0.5	8	2	14	2	70
<10	11.7	961	<0.5	8	1	19	2	60

<10		3.2	69	<0.5		9	<1		190	17	180
<10		11.8	278	<0.5		20	<1		22	2	40
<10		9	184	<0.5		14	<1		17	2	50
<10		9	1400	<0.5		5	<1		25	3	650
<10		24.5	1860	<0.5		13	<1		218	15	80
<10		40	432	<0.5		12	<1		288	17	30
<10		9.3	185	<0.5		5	<1		72	5	20
<10		16.7	652	<0.5		16		1	71	6	30
<10		8.7	176	<0.5		5	<1		32	3	60
<10		4.3	202	<0.5		3	<1		42	3	<20
<10		28.8	1230	<0.5		12	<1		149	10	<20
<10		5.3	458	<0.5		2	<1		62	4	40
<10		10.3	914	<0.5		7	<1		16	2	100
<10		12.8	9480	<0.5		8		3	36	3	500
<10		11.4	1240	<0.5		7	<1		42	4	220
<10		8.4	142	<0.5		8	<1		60	4	470
<10		5.1	75	<0.5		5	<1		88	6	70
<10		8.3	1430	<0.5		4	<1		25	2	420
<10		8.5	229	<0.5		10	<1		69	5	30
<10		8.1	62	<0.5		31	<1		132	7	30
<10		4.9	195	<0.5		6	<1		86	5	130
<10		6	78	<0.5		8	<1		35	3	<20
<10		2.7	365	<0.5		1	<1		16	1	520
<10		4.4	237	<0.5		3	<1		6	2	260
<10		2.2	17	<0.5		4	<1		74	5	50
<10		21.6	2560	<0.5		6		1	27	2	1370
<10		8.7	274	<0.5		4	<1		53	4	70
<10		4.6	529	<0.5		2	<1		13	3	190
<10		16.8	3180		0.5	12	<1		38	3	70
<10		11	266	<0.5		4	<1		59	4	30
<10		30.3	724	<0.5		8	<1		130	10	40
<10		20.8	140	<0.5		7	<1		176	11	20
<10		6.3	802	<0.5		2	<1		46	3	20
<10		13.8	557	<0.5		6	<1		46	4	110
<10		4.8	91	<0.5		2	<1		66	4	220
<10		13.1	353	<0.5		25	<1	<5	<1		130
<10		7.7	355	<0.5		5	<1		12	2	80
<10		3	39	<0.5		8	<1		236	18	140
<10		9.4	748	<0.5		7	<1		23	2	90
<10		2	11	<0.5		3	<1		65	4	50
<10		19.6	<3	<0.5		37	<1		11	<1	290
<10		13.3	<3	<0.5		30	<1		7	<1	260
<10	<0.5		<3	<0.5	<1		<1	<5	<1	<20	
<10	<0.5		<3	<0.5	<1		<1	<5	<1	<20	

Zr
MMI-M5
5
PPB
41
19
14
23
15
14
32
29
45
58
10
26
16
12
16
54
24
15
17
15
39
21
32
40
15
19
23
16
34
10
8
19
20
26
21
24
24
35
17
32
60
32
48
87
77
76
33
52

7
23
28
26
28
23
18
47
17
10
42
11
34
68
33
14
9
40
22
54
14
21
11
13
<5
39
18
10
46
21
35
20
13
27
10
14
19
7
26
<5
12
9
<5
<5

Analytical Duplicates

ANALYTE	Ag	Al	As	Au	Ba	Bi	Ca
METHOD	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
DETECTION	1	1	10	0.1	10	1	10
UNITS	PPB	PPM	PPB	PPB	PPB	PPB	PPM
HM-06-1	9	210	10	0.3	490	<1	10
DUP-HM-06-1	6	192	<10	0.2	330	<1	10
HM-06-13	8	119	20	0.7	390	<1	130
DUP-HM-06-13	11	111	20	0.6	350	<1	130
HM-06-25	6	81	40	1	800	2	120
DUP-HM-06-25	5	79	30	0.9	720	<1	100
HM-06-37	6	10	20	0.4	3810	<1	230
DUP-HM-06-37	6	10	30	0.4	3670	<1	230
HM-06-49	1	151	20	0.3	420	<1	<10
DUP-HM-06-49	<1	138	30	0.3	690	<1	10
HM-06-61	2	214	10	0.1	270	<1	10
DUP-HM-06-61	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
HM-06-73	16	252	<10	<0.1	550	<1	<10
DUP-HM-06-73	11	235	<10	<0.1	440	<1	<10
HM-06-85	7	217	<10	0.2	180	<1	<10
DUP-HM-06-85	8	199	<10	0.2	160	<1	<10
HM-06-97	35	262	<10	0.1	470	<1	20
DUP-HM-06-97	30	259	<10	0.1	390	<1	30
HM-06-109	43	192	<10	17.5	150	<1	<10
DUP-HM-06-109	38	213	10	17.1	210	<1	10
HM-06-116	6	252	<10	0.6	330	<1	<10
DUP-HM-06-116	3	192	<10	0.4	310	<1	<10
HM-06-128	23	193	<10	<0.1	400	<1	<10
DUP-HM-06-128	19	181	<10	<0.1	290	<1	<10
HM-06-140	2	183	10	1.4	340	9	<10
DUP-HM-06-140	2	178	<10	1.3	360	7	<10
HM-06-152	6	174	<10	2.6	160	<1	<10
DUP-HM-06-152	5	164	<10	2.2	180	<1	<10
HM-06-164	298	91	<10	64.3	40	3	<10
DUP-HM-06-164	235	82	<10	65.1	20	2	<10

HM-06-176	17	217	<10	3.2	540	4	<10
DUP-HM-06-176	18	223	<10	3.2	420	4	<10
HM-06-188	20	42	<10	2.8	120	<1	<10
DUP-HM-06-188	16	36	<10	2.4	120	<1	<10

Field Duplicates

Analyte	**Station**	**UTM North**	**UTM East**	**Line**	**Station**	**Ag**	**AgRR**
Method						**MMI-M5**	
Detection						**1**	
Units						**PPB**	
HM-06-25	25	5272172	416403	425 E	37 S	6	2
HM-06-26	26	5272172	416403	425 E	37 S	11	4
HM-06-60	60	5272275	416353	350 E	25 N	10	4
HM-06-61	61	5272275	416353	350 E	25 N	2	1
HM-06-120	120	5272296	416259	250 E	12 N	13	5
HM-06-121	121	5272297	416259	250 E	12 N	12	5
HM-06-160	160	5272399	416220	175 E	87 N	4	2
HM-06-161	161	5272399	416220	175 E	87 N	5	2

Replicate Analyses-MMISRM14 (Standard)

ANALYTE	**Ag**	**Al**	**As**	**Au**	**Ba**	**Bi**	**Ca**
METHOD	**MMI-M5**	**MMI-M5**	**MMI-M5**	**MMI-M5**	**MMI-M5**	**MMI-M5**	**MMI-M5**
DETECTION	**1**	**1**	**10**	**0.1**	**10**	**1**	**10**
UNITS	**PPB**	**PPM**	**PPB**	**PPB**	**PPB**	**PPB**	**PPM**
MMISRM14	20	53	20	47.7	90	<1	220
MMISRM14	18	56	10	42.6	60	<1	230
MMISRM14	19	43	10	40.5	60	<1	200
MMISRM14	18	40	10	40.5	60	<1	190
MMISRM14	18	28	10	41.5	60	<1	200

Recommended Values-Standard MMISRM14

MMISRM14	19	36	13	44.1	60	<1	273

ANALYTE	**Ag**	**Al**	**As**	**Au**	**Ba**	**Bi**	**Ca**
METHOD	**MMI-M5**	**MMI-M5**	**MMI-M5**	**MMI-M5**	**MMI-M5**	**MMI-M5**	**MMI-M5**
DETECTION	**1**	**1**	**10**	**0.1**	**10**	**1**	**10**
UNITS	**PPB**	**PPM**	**PPB**	**PPB**	**PPB**	**PPB**	**PPM**
BLANK	<1	<1	<10	<0.1	<10	<1	<10
BLANK	<1	<1	<10	<0.1	<10	<1	<10
BLANK	<1	<1	<10	0.1	<10	<1	<10

BLANK	<1	<1	<10	<0.1	<10	<1	<10
BLANK	<1	<1	<10	<0.1	<10	<1	<10

Cd MMI-M5 10 PPB	Ce MMI-M5 5 PPB	Co MMI-M5 5 PPB	Cr MMI-M5 100 PPB	Cu MMI-M5 10 PPB	Dy MMI-M5 1 PPB	Er MMI-M5 0.5 PPB	Eu MMI-M5 0.5 PPB	Fe MMI-M5 1 PPM
<10	14	42	<100	200	2	1.7	0.6	160
<10	8	41	<100	140	2	1.7	0.5	133
<10	77	102	<100	1110	9	4.8	3	286
<10	73	87	<100	1030	8	4.5	2.5	233
10	519	92	<100	16600	100	67.7	21.2	242
<10	350	82	<100	14700	73	51.5	14.6	275
10	343	85	<100	7060	25	12.7	10.2	16
<10	395	74	<100	4960	24	12.3	9.7	18
<10	30	8	<100	670	2	1.4	0.9	347
<10	43	10	<100	590	3	1.6	1.2	364
<10	27	32	<100	40	<1	0.6	0.6	194
I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
<10	43	78	<100	90	8	5.5	2.2	62
<10	42	73	<100	80	9	6	2.3	50
<10	158	161	<100	350	20	11.4	5.9	44
<10	172	133	<100	320	21	11.6	6.9	37
<10	52	105	<100	100	8	4.7	2.6	56
<10	50	96	<100	100	8	4.4	2.6	49
<10	50	98	<100	1440	12	6.6	2.5	64
<10	53	129	<100	1480	9	5.2	2.1	76
<10	162	75	<100	620	12	6.5	4.2	91
<10	127	68	<100	760	11	5.8	3.4	148
<10	68	49	<100	130	13	7	3.4	35
<10	72	34	<100	100	13	6.2	3.5	28
<10	9	6	<100	780	<1	<0.5	<0.5	101
<10	11	10	<100	780	<1	<0.5	<0.5	103
<10	41	<5	<100	930	5	2.4	1.5	112
<10	29	<5	<100	870	3	1.6	1.2	137
<10	121	7	<100	1020	37	21	13.1	16
<10	237	<5	<100	970	42	23.2	16.7	11

<10	39	10	<100	2000	4	2	1.4	114
<10	33	16	<100	1840	5	2.8	1.3	99
<10	69	44	<100	270	13	7.2	4.2	11
<10	53	38	<100	230	11	5.6	3.8	11

Al	**AlRR**	**As**	**AsRR**	**Au**	**AuRR**	**Ba**	**BaRR**	**Bi**
MMI-M5		**MMI-M5**		**MMI-M5**		**MMI-M5**		**MMI-M5**
1		**10**		**0.1**		**10**		**1**
PPM		**PPB**		**PPB**		**PPB**		**PPB**
81	1	40	8	1	15	800	4	2
114	1	20	4	0.7	11	840	4	3
300	2	10	2	0.2	3	670	3	0.5
214	2	10	2	0.1	2	270	1	0.5
203	2	5	1	0.3	5	360	2	0.5
200	2	5	1	0.2	3	350	2	0.5
227	2	20	4	0.2	3	990	5	2
204	2	20	4	1	15	900	5	2

Cd	**Ce**	**Co**	**Cr**	**Cu**	**Dy**	**Er**	**Eu**	**Fe**
MMI-M5	**MMI-M5**	**MMI-M5**	**MMI-M5**	**MMI-M5**	**MMI-M5**	**MMI-M5**	**MMI-M5**	**MMI-M5**
10	**5**	**5**	**100**	**10**	**1**	**0.5**	**0.5**	**1**
PPB	**PPB**	**PPB**	**PPB**	**PPB**	**PPB**	**PPB**	**PPB**	**PPM**
<10	19	56	<100	840	3	1.3	1.5	3
<10	16	60	<100	840	3	1.2	1.5	2
<10	16	47	<100	730	3	1	1.1	2
<10	17	42	<100	680	2	1.1	1.1	3
<10	15	35	<100	610	1	0.6	0.9	2
8	13	45	<100	765	2	0.8	0.9	1.7

Cd	**Ce**	**Co**	**Cr**	**Cu**	**Dy**	**Er**	**Eu**	**Fe**
MMI-M5	**MMI-M5**	**MMI-M5**	**MMI-M5**	**MMI-M5**	**MMI-M5**	**MMI-M5**	**MMI-M5**	**MMI-M5**
10	**5**	**5**	**100**	**10**	**1**	**0.5**	**0.5**	**1**
PPB	**PPB**	**PPB**	**PPB**	**PPB**	**PPB**	**PPB**	**PPB**	**PPM**
<10	<5	<5	<100	<10	<1	<0.5	<0.5	<1
<10	<5	<5	<100	<10	<1	<0.5	<0.5	<1
<10	<5	<5	<100	<10	<1	<0.5	<0.5	<1

<10	<5	<5	<100	<10	<1	<0.5	<0.5	<1
<10	<5	<5	<100	<10	<1	<0.5	<0.5	<1

Gd MMI-M5	La MMI-M5	Li MMI-M5	Mg MMI-M5	Mo MMI-M5	Nb MMI-M5	Nd MMI-M5	Ni MMI-M5	Pb MMI-M5
1	1	5	1	5	0.5	1	5	10
PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB
1	10	<5	2	12	4.6	7	143	20
1	4	<5	2	11	4.4	4	112	10
11	41	6	13	14	5.3	47	194	40
9	36	7	12	13	4.8	41	179	40
95	274	<5	5	21	3.5	365	293	560
66	184	<5	5	13	2.4	244	278	450
45	162	8	58	340	3.9	227	598	490
42	180	8	54	273	4.8	219	483	540
3	16	<5	1	6	3.8	13	63	20
4	23	<5	2	7	5.7	18	85	30
1	7	<5	4	10	5.6	6	52	10
I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
7	21	<5	<1	5	1.8	25	199	190
7	20	<5	<1	6	1.7	26	169	220
20	57	<5	<1	7	3.7	86	115	200
23	61	<5	<1	7	2.8	100	99	190
8	22	<5	2	6	2.8	31	164	190
8	21	<5	2	6	2.3	30	154	210
9	21	<5	<1	21	1.7	26	54	7140
7	23	<5	<1	21	2	25	58	6180
15	70	<5	<1	9	6	69	127	120
13	54	<5	<1	6	2.2	53	109	100
13	27	<5	<1	<5	1.6	43	203	260
13	28	<5	<1	<5	0.6	48	169	240
<1	4	<5	<1	71	2.2	2	26	130
<1	5	<5	<1	66	1.5	3	22	160
5	17	<5	<1	21	2.6	18	24	80
4	11	<5	<1	17	2.4	12	24	70
47	38	<5	<1	116	<0.5	157	13	6540
61	77	<5	<1	123	<0.5	248	10	6430

5	17	<5	<1	55	4.8	16	32	1540
4	15	<5	<1	45	3.9	15	34	2250
14	23	<5	<1	10	<0.5	51	90	260
13	18	<5	<1	10	<0.5	42	69	230

BiRR	Ca MMI-M5 10 PPM	CaRR	Cd MMI-M5 10 PPB	CdRR	Ce MMI-M5 5 PPB	CeRR	Co MMI-M5 5 PPB	CoRR
4	120	24	10	2	519	22	92	6
6	130	26	30	6	438	19	82	5
1	20	4	5	1	66	3	60	4
1	10	2	5	1	27	1	32	2
1	5	1	5	1	45	2	61	4
1	5	1	5	1	44	2	56	3
4	10	2	5	1	76	3	25	2
4	10	2	10	2	63	3	25	2

Gd MMI-M5 1 PPB	La MMI-M5 1 PPB	Li MMI-M5 5 PPB	Mg MMI-M5 1 PPM	Mo MMI-M5 5 PPB	Nb MMI-M5 0.5 PPB	Nd MMI-M5 1 PPB	Ni MMI-M5 5 PPB	Pb MMI-M5 10 PPB
5	4	<5	33	43	<0.5	16	325	170
5	3	<5	33	42	<0.5	14	368	170
4	3	<5	30	38	<0.5	13	283	150
4	2	<5	29	34	<0.5	13	237	130
3	2	<5	32	35	<0.5	9	184	90
3	3	2	36	37	<0.5	10	289	100

Gd MMI-M5 1 PPB	La MMI-M5 1 PPB	Li MMI-M5 5 PPB	Mg MMI-M5 1 PPM	Mo MMI-M5 5 PPB	Nb MMI-M5 0.5 PPB	Nd MMI-M5 1 PPB	Ni MMI-M5 5 PPB	Pb MMI-M5 10 PPB
<1	<1	<5	<1	<5	<0.5	<1	<5	<10
<1	<1	<5	<1	<5	<0.5	<1	<5	<10
<1	<1	<5	<1	<5	<0.5	<1	<5	<10

<1	<1	<5	<1	<5	<0.5	<1	<5	<10
<1	<1	<5	<1	<5	<0.5	<1	<5	<10

Pd MMI-M5	Pr MMI-M5	Rb MMI-M5	Sb MMI-M5	Sc MMI-M5	Sm MMI-M5	Sn MMI-M5	Sr MMI-M5	Ta MMI-M5
1	1	5	1	5	1	1	10	1
PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
<1	2	101	<1	32	1	<1	120	3
<1	1	94	<1	9	1	<1	140	<1
<1	12	128	2	36	10	<1	340	<1
<1	11	114	2	19	9	<1	320	<1
<1	92	32	8	146	80	<1	490	<1
<1	62	29	6	108	54	<1	470	<1
<1	54	172	90	13	42	<1	670	<1
<1	54	145	59	9	41	<1	660	<1
<1	4	87	1	14	3	<1	70	<1
<1	5	76	2	12	4	<1	80	<1
<1	2	41	2	11	1	<1	220	<1
I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
<1	6	187	1	27	6	<1	20	<1
<1	7	186	1	20	7	<1	10	<1
<1	22	111	1	38	20	<1	<10	<1
<1	23	100	1	35	22	<1	<10	<1
<1	8	119	1	21	8	<1	170	<1
<1	8	123	<1	21	8	<1	160	<1
<1	7	116	2	25	7	<1	10	<1
<1	7	114	2	28	6	<1	10	<1
<1	19	75	<1	26	14	<1	30	2
<1	15	69	1	18	12	<1	40	<1
<1	10	149	<1	17	11	<1	90	<1
<1	12	146	<1	18	11	<1	60	<1
<1	1	60	10	11	<1	<1	80	<1
<1	1	62	7	15	<1	<1	90	<1
<1	5	60	4	19	4	<1	<10	<1
<1	4	60	3	17	3	<1	<10	<1
<1	29	101	5	44	43	<1	<10	<1
<1	51	102	5	41	58	<1	<10	<1

<1	5	82	4	14	4	<1	20	<1
<1	4	77	4	12	4	<1	<10	<1
<1	11	50	<1	23	13	<1	<10	<1
<1	9	42	<1	17	11	<1	<10	<1

Cr	CrRR	Cu	CuRR	Dy	DyRR	Er	ErRR	Eu
MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5
100		10		1		0.5		0.5
PPB		PPB		PPB		PPB		PPB
50	1	16600	128	100	31	67.7	33	21.2
50	1	11900	92	151	47	104	51	25.7
200	4	250	2	5	2	2.5	1	2.2
50	1	40	1	0.5	1	0.6	1	0.6
50	1	150	1	12	4	7.7	4	2.2
50	1	150	1	13	4	8	4	2.3
200	4	250	2	7	2	3	1	2.6
100	2	310	2	6	2	3	1	2.2

Pd	Pr	Rb	Sb	Sc	Sm	Sn	Sr	Ta
MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
1	1	5	1	5	1	1	10	1
PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
53	3	315	2	13	5	<1	530	<1
47	3	299	2	13	5	<1	510	<1
47	3	287	1	5	4	<1	510	<1
46	2	264	1	7	4	<1	470	<1
44	2	272	<1	<5	3	<1	480	<1
46	2	283	<1	5	3	<1	518	<1

Pd	Pr	Rb	Sb	Sc	Sm	Sn	Sr	Ta
MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
1	1	5	1	5	1	1	10	1
PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
<1	<1	<5	<1	<5	<1	<1	<10	<1
<1	<1	<5	<1	<5	<1	<1	<10	<1
<1	<1	<5	<1	<5	<1	<1	<10	<1

<1	<1	<5	<1	<5	<1	<1	<10	<1
<1	<1	<5	<1	<5	<1	<1	<10	<1

Tb MMI-M5 1 PPB	Te MMI-M5 10 PPB	Th MMI-M5 0.5 PPB	Ti MMI-M5 3 PPB	Tl MMI-M5 0.5 PPB	U MMI-M5 1 PPB	W MMI-M5 1 PPB	Y MMI-M5 5 PPB	Yb MMI-M5 1 PPB
<1	<10	3.9	1120	0.6	3	5	9	2
<1	<10	3.1	1220	<0.5	3	<1	10	2
2	<10	11.2	1510	<0.5	9	1	50	5
1	<10	9.4	1420	<0.5	9	<1	43	4
17	<10	32.2	343	<0.5	389	1	687	58
7	<10	23.8	251	<0.5	359	1	514	32
6	<10	31.5	59	<0.5	56	<1	149	11
5	<10	31.8	85	<0.5	48	<1	151	10
<1	<10	7.5	799	<0.5	3	<1	10	1
<1	<10	10	1040	<0.5	4	1	16	1
<1	<10	3.3	1470	<0.5	2	<1	<5	<1
I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1	<10	6.3	315	<0.5	3	<1	43	5
1	<10	6.2	262	<0.5	3	<1	53	5
4	<10	14.6	1020	<0.5	5	<1	108	10
4	<10	13.6	830	<0.5	5	1	111	9
2	<10	9.8	511	<0.5	4	1	42	4
2	<10	8.6	415	<0.5	4	<1	45	3
2	<10	12.6	248	<0.5	7	<1	55	5
1	<10	13.4	305	<0.5	7	<1	41	4
3	<10	20.5	641	<0.5	9	2	54	5
2	<10	13.8	557	<0.5	6	<1	46	4
2	<10	6.6	328	<0.5	3	<1	67	4
2	<10	4.8	91	<0.5	2	<1	66	4
<1	<10	14.8	503	<0.5	30	1	<5	<1
<1	<10	13.1	353	<0.5	25	<1	<5	<1
<1	<10	9.6	443	<0.5	7	<1	17	2
<1	<10	7.7	355	<0.5	5	<1	12	2
7	<10	3.2	69	<0.5	9	<1	190	17
8	<10	3	39	<0.5	8	<1	236	18

<1	<10	10.3	914	<0.5	7	<1	16	2
<1	<10	9.4	748	<0.5	7	<1	23	2
2	<10	2.2	17	<0.5	4	<1	74	5
2	<10	2	11	<0.5	3	<1	65	4

EuRR	Fe	FeRR	Gd	GdRR	La	LaRR	Li	LiRR
	MMI-M5		MMI-M5		MMI-M5		MMI-M5	
	1		1		1		5	
	PPM		PPB		PPB		PPB	
20	242	9	95	31	274	28	2.5	1
25	174	7	120	40	232	24	2.5	1
2	430	16	6	2	38	4	2.5	1
1	194	7	1	1	7	1	2.5	1
2	38	1	8	3	17	2	2.5	1
2	37	1	8	3	17	2	2.5	1
2	113	4	8	3	38	4	18	7
2	120	5	7	2	31	3	17	7

Tb	Te	Th	Ti	Tl	U	W	Y	Yb
MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
1	10	0.5	3	0.5	1	1	5	1
PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
<1	<10	22.3	<3	<0.5	43	<1	14	<1
<1	<10	22.4	<3	<0.5	44	<1	14	<1
<1	<10	20.4	<3	<0.5	39	<1	13	<1
<1	<10	19.6	<3	<0.5	37	<1	11	<1
<1	<10	13.3	<3	<0.5	30	<1	7	<1
<1	<10	16.2	<3	<0.5	40	<1	8	<1

Tb	Te	Th	Ti	Tl	U	W	Y	Yb
MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
1	10	0.5	3	0.5	1	1	5	1
PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
<1	<10	<0.5	<3	<0.5	<1	<1	<5	<1
<1	<10	<0.5	<3	<0.5	<1	<1	<5	<1
<1	<10	<0.5	<3	<0.5	<1	<1	<5	<1

<1	<10	<0.5	<3	<0.5	<1	<1	<5	<1
<1	<10	<0.5	<3	<0.5	<1	<1	<5	<1

Zn MMI-M5 20 PPB	Zr MMI-M5 5 PPB
<20	13
<20	14
190	39
140	29
80	109
50	70
500	49
360	65
20	22
40	31
<20	14
I.S.	I.S.
300	16
300	21
100	31
90	27
170	23
150	21
980	35
980	39
120	41
110	27
170	16
220	10
70	15
130	14
100	24
80	19
180	7
140	7

100	34
90	26
50	<5
50	<5

Mg	MgRR	Mo	MoRR	Nb	NbRR	Nd	NdRR	Ni
MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5
1		5		0.5		1		5
PPM		PPB		PPB		PPB		PPB
5	10	21	6	3.5	3	365	32	293
5	10	11	3	2.6	3	360	32	308
5	10	27	8	21.3	21	30	3	154
4	8	10	3	5.6	6	6	1	52
0.5	1	7	2	1.4	1	23	2	101
0.5	1	7	2	1.3	1	25	2	98
6	12	28	9	37.6	37	34	3	97
6	12	28	9	38	37	31	3	100

Zn	Zr
MMI-M5	MMI-M5
20	5
PPB	PPB
370	17
370	13
300	13
290	12
260	9
345	13

Zn	Zr
MMI-M5	MMI-M5
20	5
PPB	PPB
<20	<5
<20	<5
<20	<5

<20	<5
<20	<5

NiRR	Pb MMI-M5 10 PPB	PbRR	Pd MMI-M5 1 PPB	PdRR	Pr MMI-M5 1 PPB	PrRR	Rb MMI-M5 5 PPB	RbRR
6	560	7	0.5	1	92	29	32	1
6	790	10	0.5	1	88	28	29	1
3	70	1	0.5	1	8	3	62	2
1	10	1	0.5	1	2	1	41	1
2	230	3	0.5	1	6	2	87	2
2	210	3	0.5	1	6	2	86	2
2	380	5	0.5	1	10	3	80	2
2	330	4	1	2	8	3	77	2

Sb	SbRR	Sc	ScRR	Sm	SmRR	Sn	SnRR	Sr
MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5
1		5		1		1		10
PPB		PPB		PPB		PPB		PPB
8	16	146	11	80	31	0.5	1	490
5	10	173	14	92	36	0.5	1	500
3	6	12	1	6	2	0.5	1	370
2	4	11	1	1	1	0.5	1	220
0.5	1	21	2	7	3	0.5	1	10
0.5	1	19	1	7	3	0.5	1	10
2	4	63	5	8	3	12	24	260
2	4	56	4	7	3	11	22	260

SrRR	Ta MMI-M5 1 PPB	TaRR	Tb MMI-M5 1 PPB	TbRR	Te MMI-M5 10 PPB	TeRR	Th MMI-M5 0.5 PPB	ThRR
78	0.5	1	17	34	5	1	32.2	7
79	0.5	1	24	48	5	1	40.3	8
59	2	4	0.5	1	5	1	13.6	3
35	0.5	1	0.5	1	5	1	3.3	1
2	0.5	1	2	4	5	1	6.3	1
2	0.5	1	2	4	5	1	5.9	1
41	3	6	1	2	5	1	11.5	2
41	3	6	1	2	5	1	11.4	2

Ti	TiRR	Tl	TlRR	U	URR	W	WRR	Y
MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5
3		0.5		1		1		5
PPB		PPB		PPB		PPB		PPB
343	2	0.25	1	389	152	1	2	687
286	2	0.25	1	447	175	1	2	1110
4710	25	0.6	2	6	2	0.5	1	18
1470	8	0.25	1	2	1	0.5	1	2.5
285	1	0.25	1	5	2	0.5	1	67
302	2	0.25	1	5	2	0.5	1	69
15200	80	0.25	1	5	2	2	4	31
14100	74	0.25	1	6	2	2	4	28

YRR	Yb MMI-M5 1 PPB	YbRR	Zn MMI-M5 20 PPB	ZnRR	Zr MMI-M5 5 PPB	ZrRR		
42	58	39	80	3	109	8		
69	85	57	160	5	103	8		
1	2	1	120	4	49	4	24	73
1	0.5	1	10	1	14	1	11	45
4	7	5	80	3	15	1	33	4
4	7	5	60	2	14	1	33	4
2	3	2	460	16	77	6	28	55
2	3	2	540	19	76	6	26	55

Analyte	UTM North	UTM East	Line	Station	Ag
Method					MMI-M5
Detection					1
Units					PPB
HM-06-1	5272337	416165	150 E	0 BL	9
HM-06-2	5272325	416188	175E	0 BL	21
HM-06-3	5272313	416210	200 E	0 BL	44
HM-06-4	5272299	416231	225 E	0 BL	40
HM-06-5	5272289	416254	250 E	0 BL	32
HM-06-6	5272274	416276	275 E	0 BL	12
HM-06-7	5272265	416304	300 E	0 BL	14
HM-06-8	5272251	416323	325 E	0 BL	15
HM-06-9	5272240	416346	350 E	0 BL	12
HM-06-10	5272238	416370	375 E	0 BL	31
HM-06-11	5272219	416390	400 E	0 BL	1
HM-06-12	5272206	416413	425 E	0 BL	0.5
HM-06-13	5272221	416418	425 E	12 N	8
HM-06-14	5272235	416424	425 E	25 N	17
HM-06-15	5272247	416429	425 E	37 N	4
HM-06-16	5272258	416433	425 E	50 N	11
HM-06-17	5272267	416438	425 E	62 N	29
HM-06-18	5272279	416443	425 E	75 N	10
HM-06-19	5272290	416445	425 E	87 N	26
HM-06-20	5272310	416460	425 E	112 N	6
HM-06-21	5272322	416464	425 E	125 N	2
HM-06-22	5272338	416470	425 E	137 N	6
HM-06-23	5272195	416408	425 E	12 S	3
HM-06-24	5272183	416403	425 E	25 S	0.5
HM-06-25	5272172	416403	425 E	37 S	6
HM-06-27	5272163	416397	425 E	50 S	3
HM-06-28	5272226	416397	400 E	12 N	12
HM-06-29	5272238	416403	400 E	25 N	17
HM-06-30	5272250	416406	400 E	37 N	54
HM-06-31	5272263	416408	400 E	50 N	53
HM-06-32	5272287	416398	400 E	62 N	21
HM-06-33	5272303	416416	400 E	75 N	38
HM-06-34	5272310	416428	400 E	87 N	47
HM-06-35	5272316	416433	400 E	100 N	70
HM-06-36	5272328	416434	400 E	112 N	8
HM-06-37	5272339	416447	400 E	125 N	6
HM-06-38	5272351	416426	375 E	125 N	7
HM-06-39	5272339	416414	375 E	112 N	57
HM-06-40	5272327	416415	375 E	100 N	10
HM-06-41	5272316	416407	375 E	87 N	41
HM-06-42	5272304	416395	375 E	75 N	93
HM-06-43	5272295	416391	375 E	62 N	134
HM-06-44	5272277	416387	375 E	50 N	104
HM-06-45	5272267	416382	375 E	37 N	88
HM-06-46	5272248	416377	375 E	12 N	16
HM-06-47	5272224	416361	375 E	12 S	23
HM-06-48	5272213	416359	375 E	25 S	15
HM-06-49	5272204	416349	375 E	37 S	1

HM-06-50	5272192	416342	375 E	50 S	0.5
HM-06-51	5272179	416367	400 E	50 S	0.5
HM-06-52	5272190	416371	400 E	37 S	0.5
HM-06-53	5272201	416376	400 E	25 S	4
HM-06-54	5272214	416383	400 E	12 S	14
HM-06-55	5272230	416339	350 E	12 S	30
HM-06-56	5272218	416334	350 E	25 S	1
HM-06-57	5272210	416328	350 E	37 S	0.5
HM-06-58	5272200	416324	350 E	50 S	0.5
HM-06-59	5272257	416349	350 E	12 N	6
HM-06-60	5272275	416353	350 E	25 N	10
HM-06-62	5272289	416355	350 E	37 N	42
HM-06-63	5272295	416361	350 E	50 N	57
HM-06-64	5272307	416360	350 E	62 N	20
HM-06-65	5272319	416379	350 E	75 N	41
HM-06-66	5272330	416383	350 E	87 N	38
HM-06-67	5272339	416388	350 E	100 N	63
HM-06-68	5272350	416394	350 E	112 N	30
HM-06-69	5272361	416398	350 E	125 N	29
HM-06-70	5272373	416399	350 E	137 N	12
HM-06-71	5272380	416381	325 E	137 N	13
HM-06-72	5272372	416374	325 E	125 N	14
HM-06-73	5272364	416367	325 E	112 N	16
HM-06-74	5272347	416361	325 E	100 N	43
HM-06-75	5272337	416354	325 E	87 N	77
HM-06-76	5272327	416346	325 E	75 N	149
HM-06-77	5272312	416344	325 E	62 N	84
HM-06-78	5272300	416341	325 E	50 N	99
HM-06-79	5272287	416338	325 E	37 N	575
HM-06-80	5272275	416332	325 E	25 N	129
HM-06-81	5272264	416328	325 E	12 N	4
HM-06-82	5272240	416323	325 E	12 S	17
HM-06-83	5272228	416314	325 E	25 S	10
HM-06-84	5272219	416309	325 E	37 S	2
HM-06-85	5272209	416303	325 E	50 S	7
HM-06-86	5272219	416281	300 E	50 S	7
HM-06-87	5272230	416288	300 E	37 S	8
HM-06-88	5272243	416296	300 E	25 S	8
HM-06-89	5272253	416303	300 E	12 S	6
HM-06-90	5272277	416309	300 E	12 N	40
HM-06-91	5272286	416309	300 E	25 N	98
HM-06-92	5272297	416314	300 E	37 N	69
HM-06-93	5272315	416310	300 E	50 N	100
HM-06-94	5272328	416315	300 E	62 N	91
HM-06-95	5272340	416328	300 E	75 N	37
HM-06-96	5272349	416332	300 E	87 N	20
HM-06-97	5272359	416338	300 E	100 N	35
HM-06-98	5272370	416343	300 E	112 N	16
HM-06-99	5272383	416347	300 E	125 N	7
HM-06-100	5272387	416358	300 E	137 N	18
HM-06-101	5272397	416328	275 E	137 N	14
HM-06-102	5272387	416322	275 E	125 N	18

HM-06-103	5272381	416316	275 E	112 N	7
HM-06-104	5272368	416314	275 E	100 N	26
HM-06-105	5272358	416310	275 E	87 N	17
HM-06-106	5272344	416306	275 E	75 N	18
HM-06-107	5272338	416299	275 E	62 N	21
HM-06-108	5272327	416292	275 E	50 N	29
HM-06-109	5272311	416288	275 E	37 N	43
HM-06-110	5272297	416285	275 E	25 N	10
HM-06-111	5272285	416278	275 E	12 N	67
HM-06-112	5272259	416273	275 E	12 S	8
HM-06-113	5272249	416267	275 E	25 S	13
HM-06-114	5272240	416260	275 E	37 S	3
HM-06-115	5272230	416257	275 E	50 S	3
HM-06-116	5272242	416232	250 E	50 S	6
HM-06-117	5272254	416238	250 E	37 S	13
HM-06-118	5272265	416244	250 E	25 S	21
HM-06-119	5272274	416249	250 E	12 S	10
HM-06-120	5272296	416259	250 E	12 N	13
HM-06-122	5272309	416263	250 E	25 N	7
HM-06-123	5272317	416266	250 E	37 N	11
HM-06-124	5272334	416271	250 E	50 N	3
HM-06-125	5272344	416283	250 E	62 N	92
HM-06-126	5272357	416286	250 E	75 N	10
HM-06-127	5272368	416292	250 E	87 N	17
HM-06-128	5272375	416296	250 E	100 N	23
HM-06-129	5272389	416300	250 E	112 N	12
HM-06-130	5272399	416305	250 E	125 N	7
HM-06-131	5272408	416313	250 E	137 N	6
HM-06-132	5272418	416287	225 E	137 N	4
HM-06-133	5272408	416282	225 E	125 N	12
HM-06-134	5272392	416273	225 E	112 N	5
HM-06-135	5272381	416269	225 E	100 N	22
HM-06-136	5272375	416268	225 E	87 N	12
HM-06-137	5272364	416259	225 E	75 N	7
HM-06-138	5272355	416257	225 E	62 N	157
HM-06-139	5272342	416244	225 E	50 N	10
HM-06-140	5272333	416246	225 E	37 N	2
HM-06-141	5272324	416246	225 E	25 N	8
HM-06-142	5272311	416241	225 E	12 N	32
HM-06-143	5272291	416224	225 E	12 S	16
HM-06-144	5272284	416217	225 E	25 S	19
HM-06-145	5272271	416212	225 E	37 S	8
HM-06-146	5272259	416205	225 E	50 S	4
HM-06-147	5272272	416188	200 E	50 S	2
HM-06-148	5272284	416194	200 E	37 S	4
HM-06-149	5272298	416201	200 E	25 S	11
HM-06-150	5272305	416206	200 E	12 S	7
HM-06-151	5272322	416219	200 E	12 N	2
HM-06-152	5272334	416221	200 E	25 N	6
HM-06-153	5272361	416228	200 E	50 N	4
HM-06-154	5272369	416235	200 E	62 N	2
HM-06-155	5272376	416237	200 E	75 N	5

HM-06-156	5272391	416253	200 E	87 N	10
HM-06-157	5272402	416249	200 E	100 N	16
HM-06-158	5272410	416258	200 E	112 N	11
HM-06-159	5272409	416227	175 E	100 N	2
HM-06-160	5272399	416220	175 E	87 N	4
HM-06-162	5272384	416212	175 E	75 N	7
HM-06-163	5272372	416210	175 E	62 N	14
HM-06-164	5272358	416205	175 E	50 N	298
HM-06-165	5272352	416200	175 E	37 N	3
HM-06-166	5272343	416197	175 E	25 N	28
HM-06-167	5272330	416194	175 E	12 N	94
HM-06-168	5272316	416182	175 E	12 S	15
HM-06-169	5272306	416179	175 E	25 S	12
HM-06-170	5272289	416175	175 E	37 S	13
HM-06-171	5272279	416170	175 E	50 S	8
HM-06-172	5272288	416151	150 E	50 S	8
HM-06-173	5272303	416153	150 E	37 S	25
HM-06-174	5272318	416157	150 E	25 S	25
HM-06-175	5272324	416164	150 E	12 S	25
HM-06-176	5272347	416169	150 E	12 N	17
HM-06-177	5272357	416172	150 E	25 N	5
HM-06-178	5272364	416173	150 E	37 N	48
HM-06-179	5272379	416183	150 E	50 N	3
HM-06-180	5272389	416186	150 E	62 N	4
HM-06-181	5272398	416194	150 E	75 N	1
HM-06-182	5272410	416198	150 E	87 N	7
HM-06-183	5272443	416180	125 E	112 N	9
HM-06-184	5272436	416175	125 E	100 N	5
HM-06-185	5272423	416180	125 E	87 N	4
HM-06-186	5272416	416176	125 E	75 N	0.5
HM-06-187	5272407	416171	125 E	62 N	0.5
HM-06-188	5272400	416166	125 E	50 N	20
HM-06-189	5272381	416162	125 E	37 N	43
HM-06-190	5272363	416154	125 E	25 N	32
HM-06-191	5272352	416147	125 E	12 N	6
HM-06-192	5272341	416142	125 E	0 BL	35
HM-06-193	5272327	416143	125 E	12 S	45
HM-06-194	5272315	416130	125 E	25 S	26
HM-06-195	5272303	416125	125 E	37 S	39
HM-06-196	5272293	416122	125 E	50 S	17
25th PERCENTILE					6
BACKGROUND					2.569767

AgRR	Al	AlRR	As	AsRR	Au	AuRR	Ba	BaRR
	MMI-M5		MMI-M5		MMI-M5		MMI-M5	
	1		10		0.1		10	
	PPM		PPB		PPB		PPB	
4	210	2	10	2	0.3	5	490	2
8	240	2	10	2	0.2	3	700	4
17	230	2	10	2	1.6	24	240	1
16	217	2	5	1	0.6	9	360	2
12	191	2	5	1	0.6	9	210	1
5	208	2	20	4	1.9	29	340	2
5	300	2	30	6	0.5	8	1840	9
6	300	2	5	1	0.1	2	400	2
5	274	2	5	1	0.05	1	650	3
12	234	2	5	1	0.05	1	710	4
1	153	1	30	6	1.1	17	1060	5
1	239	2	90	18	0.2	3	570	3
3	119	1	20	4	0.7	11	390	2
7	251	2	10	2	0.2	3	630	3
2	107	1	20	4	1.1	17	610	3
4	154	1	20	4	0.6	9	1110	6
11	280	2	30	6	1.6	24	610	3
4	157	1	20	4	0.5	8	830	4
10	92	1	10	2	1.7	26	660	3
2	149	1	20	4	0.5	8	1090	5
1	11	1	60	12	0.2	3	470	2
2	32	1	40	8	0.4	6	460	2
1	198	2	30	6	0.3	5	600	3
1	174	1	20	4	0.2	3	280	1
2	81	1	40	8	1	15	800	4
1	215	2	30	6	0.9	14	440	2
5	281	2	10	2	0.3	5	570	3
7	186	2	100	20	0.9	14	740	4
21	300	2	30	6	0.2	3	610	3
21	255	2	5	1	0.4	6	710	4
8	220	2	30	6	1.2	18	2440	12
15	300	2	30	6	0.2	3	1630	8
18	275	2	5	1	0.2	3	820	4
27	300	2	50	10	0.9	14	2310	12
3	244	2	20	4	0.3	5	720	4
2	10	1	20	4	0.4	6	3810	19
3	88	1	30	6	0.4	6	1080	5
22	223	2	5	1	0.4	6	650	3
4	300	2	30	6	0.2	3	840	4
16	245	2	5	1	0.05	1	680	3
36	217	2	5	1	0.2	3	430	2
52	240	2	5	1	1.2	18	370	2
40	222	2	5	1	1.3	20	550	3
34	255	2	5	1	0.3	5	1570	8
6	293	2	40	8	0.05	1	1540	8
9	259	2	5	1	0.2	3	410	2
6	189	2	5	1	0.1	2	650	3
1	151	1	20	4	0.3	5	420	2

1	213	2	20	4	0.05	1	400	2
1	300	2	20	4	0.1	2	460	2
1	300	2	5	1	0.05	1	310	2
2	300	2	20	4	0.3	5	440	2
5	240	2	20	4	0.2	3	630	3
12	179	1	5	1	0.2	3	400	2
1	277	2	40	8	0.2	3	320	2
1	217	2	5	1	0.1	2	250	1
1	284	2	20	4	0.2	3	330	2
2	261	2	10	2	0.05	1	440	2
4	300	2	10	2	0.2	3	670	3
16	225	2	100	20	0.6	9	1060	5
22	294	2	50	10	0.2	3	840	4
8	273	2	50	10	0.4	6	820	4
16	206	2	5	1	0.7	11	330	2
15	219	2	5	1	0.1	2	830	4
25	256	2	10	2	0.4	6	1020	5
12	240	2	5	1	0.2	3	650	3
11	227	2	5	1	0.1	2	680	3
5	192	2	5	1	0.1	2	390	2
5	193	2	5	1	0.2	3	550	3
5	258	2	5	1	0.1	2	640	3
6	252	2	5	1	0.05	1	550	3
17	296	2	5	1	0.1	2	350	2
30	276	2	5	1	0.3	5	570	3
58	235	2	5	1	0.4	6	430	2
33	144	1	5	1	0.2	3	210	1
39	161	1	5	1	0.8	12	200	1
224	115	1	5	1	14.1	213	120	1
50	228	2	40	8	10	151	380	2
2	215	2	5	1	0.05	1	600	3
7	217	2	5	1	0.05	1	300	2
4	205	2	5	1	0.05	1	500	3
1	240	2	5	1	0.2	3	200	1
3	217	2	5	1	0.2	3	180	1
3	281	2	10	2	0.05	1	560	3
3	300	2	20	4	0.2	3	640	3
3	245	2	5	1	0.2	3	170	1
2	295	2	5	1	0.4	6	250	1
16	243	2	20	4	0.9	14	260	1
38	201	2	5	1	1.6	24	140	1
27	227	2	5	1	1.2	18	340	2
39	237	2	20	4	4.2	63	290	1
35	172	1	5	1	1.1	17	110	1
14	300	2	5	1	0.2	3	590	3
8	234	2	5	1	0.05	1	530	3
14	262	2	5	1	0.1	2	470	2
6	261	2	5	1	0.05	1	550	3
3	228	2	5	1	0.2	3	880	4
7	153	1	5	1	0.2	3	210	1
5	236	2	5	1	0.05	1	460	2
7	234	2	5	1	0.05	1	210	1

3	217	2	5	1	0.05	1	470	2
10	171	1	5	1	0.05	1	180	1
7	220	2	5	1	0.05	1	450	2
7	211	2	5	1	0.7	11	700	4
8	179	1	5	1	0.4	6	370	2
11	263	2	5	1	3.9	59	400	2
17	192	2	5	1	17.5	264	150	1
4	156	1	10	2	5.5	83	260	1
26	274	2	10	2	0.7	11	930	5
3	246	2	5	1	0.3	5	610	3
5	235	2	10	2	2.2	33	330	2
1	188	2	50	10	1.1	17	1170	6
1	224	2	10	2	0.3	5	510	3
2	252	2	5	1	0.6	9	330	2
5	179	1	5	1	0.6	9	420	2
8	171	1	5	1	0.2	3	260	1
4	224	2	5	1	0.2	3	330	2
5	203	2	5	1	0.3	5	360	2
3	138	1	20	4	6.5	98	420	2
4	126	1	5	1	37.4	565	230	1
1	266	2	20	4	3.3	50	200	1
36	206	2	5	1	1	15	480	2
4	227	2	5	1	0.05	1	480	2
7	225	2	5	1	0.1	2	400	2
9	193	2	5	1	0.05	1	400	2
5	212	2	5	1	0.05	1	710	4
3	180	1	5	1	0.05	1	180	1
2	264	2	10	2	0.2	3	1000	5
2	191	2	5	1	0.2	3	270	1
5	148	1	5	1	0.2	3	300	2
2	248	2	5	1	0.05	1	650	3
9	172	1	5	1	0.05	1	340	2
5	240	2	5	1	1.5	23	800	4
3	195	2	5	1	1.5	23	510	3
61	202	2	10	2	9.1	137	190	1
4	120	1	50	10	3.7	56	410	2
1	183	1	10	2	1.4	21	340	2
3	149	1	5	1	1.3	20	500	3
12	218	2	5	1	0.8	12	610	3
6	173	1	5	1	0.3	5	170	1
7	224	2	5	1	0.2	3	790	4
3	185	2	5	1	0.2	3	310	2
2	143	1	5	1	0.4	6	110	1
1	130	1	5	1	0.9	14	250	1
2	144	1	5	1	0.4	6	190	1
4	241	2	5	1	0.2	3	400	2
3	169	1	5	1	1.5	23	620	3
1	204	2	5	1	0.5	8	600	3
2	174	1	5	1	2.6	39	160	1
2	185	2	20	4	0.8	12	220	1
1	230	2	5	1	0.5	8	390	2
2	224	2	10	2	2.4	36	230	1

4	219	2	5	1	1.4	21	480	2
6	186	2	5	1	1.2	18	700	4
4	256	2	5	1	0.7	11	690	3
1	198	2	30	6	0.5	8	960	5
2	227	2	20	4	0.2	3	990	5
3	121	1	10	2	5.1	77	840	4
5	173	1	20	4	4.9	74	590	3
116	91	1	5	1	64.3	971	40	1
1	128	1	5	1	3.5	53	110	1
11	172	1	5	1	27.2	411	170	1
37	190	2	20	4	43.7	660	660	3
6	197	2	5	1	0.5	8	610	3
5	106	1	5	1	0.3	5	1330	7
5	225	2	5	1	0.3	5	220	1
3	176	1	5	1	1.5	23	200	1
3	178	1	5	1	0.4	6	200	1
10	174	1	5	1	0.2	3	190	1
10	224	2	5	1	0.5	8	1210	6
10	205	2	5	1	0.4	6	610	3
7	217	2	5	1	3.2	48	540	3
2	200	2	70	14	2.1	32	510	3
19	192	2	10	2	6.7	101	300	2
1	77	1	5	1	0.6	9	1060	5
2	103	1	5	1	0.6	9	110	1
1	218	2	50	10	0.05	1	720	4
3	109	1	5	1	0.4	6	260	1
4	75	1	5	1	3.2	48	830	4
2	91	1	5	1	0.4	6	860	4
2	130	1	5	1	0.7	11	410	2
1	247	2	5	1	0.1	2	320	2
1	204	2	5	1	0.05	1	310	2
8	42	1	5	1	2.8	42	120	1
17	155	1	270	54	2.2	33	780	4
12	167	1	5	1	0.7	11	230	1
2	191	2	5	1	0.2	3	250	1
14	211	2	10	2	2.2	33	430	2
18	190	2	5	1	1.3	20	230	1
10	129	1	5	1	1	15	1270	6
15	86	1	5	1	3.3	50	330	2
7	181	1	5	1	0.9	14	500	3
	173		5		0.2		300	
	122.5417		5		0.06625		199.5745	

Bi	BiRR	Ca	CaRR	Cd	CdRR	Ce	CeRR	Co
MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5
1		10		10		5		5
PPB		PPM		PPB		PPB		PPB
0.5	1	10	2	5	1	14	1	42
0.5	1	5	1	5	1	41	2	42
0.5	1	5	1	5	1	86	4	62
0.5	1	5	1	5	1	67	3	65
0.5	1	5	1	5	1	179	8	56
0.5	1	5	1	5	1	180	8	56
2	4	20	4	5	1	443	19	85
0.5	1	5	1	5	1	133	6	69
0.5	1	5	1	10	2	41	2	65
0.5	1	5	1	10	2	38	2	56
3	6	20	4	20	4	42	2	46
2	4	5	1	5	1	53	2	17
0.5	1	130	26	5	1	77	3	102
0.5	1	20	4	10	2	89	4	100
2	4	100	20	5	1	80	3	655
2	4	130	26	5	1	408	18	37
2	4	5	1	5	1	504	22	136
0.5	1	160	32	20	4	167	7	388
0.5	1	270	54	20	4	660	28	109
2	4	170	34	10	2	1370	59	124
0.5	1	210	42	10	2	270	12	101
0.5	1	250	50	5	1	200	9	69
2	4	70	14	10	2	141	6	237
1	2	60	12	90	18	50	2	149
2	4	120	24	10	2	519	22	92
3	6	80	16	10	2	246	11	130
0.5	1	5	1	10	2	118	5	119
3	6	50	10	5	1	277	12	666
0.5	1	5	1	5	1	113	5	81
0.5	1	20	4	10	2	28	1	45
2	4	70	14	50	10	73	3	68
0.5	1	5	1	30	6	97	4	190
0.5	1	10	2	30	6	166	7	241
2	4	30	6	30	6	213	9	308
0.5	1	10	2	5	1	33	1	35
0.5	1	230	46	10	2	343	15	85
2	4	40	8	5	1	179	8	25
0.5	1	10	2	10	2	65	3	68
1	2	5	1	20	4	76	3	45
0.5	1	10	2	50	10	50	2	16
0.5	1	5	1	20	4	39	2	52
0.5	1	5	1	30	6	74	3	23
0.5	1	5	1	20	4	113	5	36
0.5	1	40	8	30	6	74	3	211
2	4	20	4	20	4	150	6	101
0.5	1	5	1	5	1	150	6	83
0.5	1	5	1	5	1	69	3	109
0.5	1	5	1	5	1	30	1	8

0.5	1	5	1	5	1	21	1	6
0.5	1	5	1	5	1	146	6	11
0.5	1	5	1	5	1	2.5	1	6
0.5	1	5	1	5	1	106	5	63
0.5	1	5	1	5	1	102	4	81
0.5	1	5	1	5	1	36	2	90
1	2	5	1	5	1	53	2	16
2	4	5	1	5	1	15	1	17
0.5	1	5	1	5	1	65	3	28
0.5	1	20	4	5	1	34	1	59
0.5	1	20	4	5	1	66	3	60
7	14	40	8	40	8	63	3	50
2	4	5	1	20	4	48	2	66
2	4	40	8	20	4	62	3	31
0.5	1	5	1	10	2	73	3	36
0.5	1	5	1	20	4	69	3	63
0.5	1	20	4	20	4	81	3	129
0.5	1	10	2	5	1	55	2	34
0.5	1	40	8	5	1	48	2	57
0.5	1	5	1	5	1	73	3	42
0.5	1	5	1	5	1	42	2	37
0.5	1	5	1	5	1	25	1	38
0.5	1	5	1	5	1	43	2	78
0.5	1	10	2	20	4	83	4	65
0.5	1	10	2	20	4	42	2	143
0.5	1	40	8	20	4	116	5	42
0.5	1	5	1	5	1	28	1	40
0.5	1	5	1	5	1	60	3	29
0.5	1	5	1	5	1	22	1	18
2	4	20	4	5	1	80	3	96
0.5	1	140	28	5	1	188	8	164
0.5	1	20	4	5	1	68	3	43
0.5	1	20	4	5	1	28	1	100
0.5	1	5	1	5	1	35	2	41
0.5	1	5	1	5	1	158	7	161
0.5	1	5	1	5	1	168	7	41
0.5	1	5	1	5	1	302	13	67
0.5	1	5	1	5	1	61	3	30
0.5	1	5	1	5	1	345	15	34
0.5	1	5	1	5	1	13	1	105
0.5	1	5	1	5	1	71	3	48
1	2	30	6	20	4	8	1	117
0.5	1	5	1	10	2	32	1	68
0.5	1	5	1	5	1	62	3	35
0.5	1	20	4	10	2	79	3	79
0.5	1	5	1	5	1	87	4	109
0.5	1	20	4	5	1	52	2	105
0.5	1	20	4	5	1	51	2	100
0.5	1	5	1	5	1	24	1	39
0.5	1	10	2	5	1	26	1	116
0.5	1	5	1	10	2	54	2	57
0.5	1	10	2	5	1	104	4	77

0.5	1	5	1	5	1	18	1	86
0.5	1	5	1	5	1	35	2	44
0.5	1	20	4	5	1	112	5	75
0.5	1	30	6	10	2	107	5	63
0.5	1	5	1	20	4	13	1	37
0.5	1	5	1	5	1	7	1	20
0.5	1	5	1	5	1	50	2	98
0.5	1	5	1	5	1	42	2	39
0.5	1	10	2	5	1	58	2	71
0.5	1	5	1	5	1	228	10	35
0.5	1	5	1	5	1	35	2	68
2	4	50	10	10	2	494	21	75
1	2	20	4	5	1	214	9	81
0.5	1	5	1	5	1	162	7	75
0.5	1	5	1	5	1	75	3	134
0.5	1	5	1	5	1	75	3	35
0.5	1	5	1	5	1	55	2	18
0.5	1	5	1	5	1	45	2	61
0.5	1	5	1	5	1	31	1	17
0.5	1	5	1	5	1	22	1	48
11	22	5	1	10	2	20	1	14
0.5	1	5	1	5	1	141	6	37
0.5	1	5	1	5	1	17	1	52
0.5	1	5	1	5	1	96	4	28
0.5	1	5	1	5	1	68	3	49
0.5	1	5	1	5	1	43	2	53
0.5	1	5	1	5	1	52	2	21
0.5	1	5	1	5	1	64	3	52
0.5	1	5	1	5	1	114	5	17
0.5	1	5	1	5	1	85	4	44
0.5	1	5	1	5	1	25	1	24
0.5	1	5	1	5	1	85	4	34
0.5	1	5	1	10	2	93	4	59
1	2	5	1	5	1	49	2	27
2	4	5	1	10	2	140	6	10
21	42	5	1	30	6	42	2	17
9	18	5	1	5	1	9	1	6
0.5	1	5	1	5	1	104	4	49
0.5	1	5	1	5	1	104	4	147
0.5	1	5	1	5	1	95	4	22
0.5	1	50	10	5	1	102	4	84
0.5	1	5	1	5	1	27	1	38
0.5	1	5	1	10	2	2.5	1	26
0.5	1	5	1	5	1	14	1	9
0.5	1	5	1	5	1	38	2	16
0.5	1	5	1	5	1	69	3	82
0.5	1	5	1	5	1	113	5	81
2	4	5	1	5	1	21	1	53
0.5	1	5	1	5	1	41	2	2.5
12	24	5	1	5	1	31	1	8
3	6	5	1	5	1	8	1	17
7	14	5	1	5	1	21	1	33

0.5	1	20	4	10	2	138	6	60
0.5	1	5	1	20	4	292	13	84
0.5	1	5	1	5	1	217	9	69
3	6	5	1	5	1	101	4	14
2	4	10	2	5	1	76	3	25
1	2	5	1	5	1	28	1	43
1	2	5	1	5	1	55	2	18
3	6	5	1	5	1	121	5	7
0.5	1	5	1	5	1	46	2	2.5
1	2	5	1	5	1	33	1	2.5
17	34	5	1	30	6	42	2	111
1	2	20	4	5	1	119	5	155
0.5	1	120	24	5	1	507	22	29
0.5	1	20	4	5	1	146	6	30
0.5	1	5	1	5	1	179	8	37
0.5	1	5	1	5	1	48	2	45
0.5	1	5	1	5	1	37	2	26
0.5	1	10	2	5	1	668	29	8
0.5	1	20	4	5	1	70	3	35
4	8	5	1	5	1	39	2	10
40	80	5	1	10	2	76	3	29
2	4	5	1	5	1	65	3	32
0.5	1	90	18	5	1	127	5	99
0.5	1	5	1	5	1	165	7	11
2	4	5	1	20	4	34	1	15
0.5	1	60	12	5	1	102	4	23
1	2	140	28	5	1	174	7	27
0.5	1	200	40	20	4	125	5	58
0.5	1	5	1	5	1	32	1	35
0.5	1	5	1	10	2	13	1	11
0.5	1	5	1	5	1	2.5	1	14
0.5	1	5	1	5	1	69	3	44
77	154	30	6	30	6	61	3	53
0.5	1	5	1	5	1	97	4	53
0.5	1	5	1	5	1	12	1	117
2	4	5	1	5	1	137	6	41
0.5	1	5	1	5	1	101	4	104
0.5	1	80	16	5	1	561	24	20
0.5	1	110	22	5	1	623	27	52
0.5	1	40	8	5	1	34	1	46
0.5		5		5		38.75		29
0.5		5		5		23.2551		16.03125

CoRR	Cr	CrRR	Cu	CuRR	Dy	DyRR	Er	ErRR
	MMI-M5		MMI-M5		MMI-M5		MMI-M5	
	100		10		1		0.5	
	PPB		PPB		PPB		PPB	
3	50	1	200	2	2	1	1.7	1
3	50	1	250	2	10	3	6.2	3
4	50	1	820	6	15	5	9.8	5
4	50	1	220	2	15	5	8.6	4
3	50	1	300	2	22	7	12.4	6
3	50	1	520	4	32	10	17.6	9
5	200	4	620	5	30	9	16.2	8
4	50	1	150	1	14	4	6.4	3
4	50	1	130	1	8	2	4.8	2
3	50	1	130	1	9	3	6.4	3
3	100	2	250	2	3	1	2.2	1
1	300	6	440	3	5	2	2.5	1
6	50	1	1110	9	9	3	4.8	2
6	100	2	230	2	12	4	6.7	3
41	100	2	1050	8	7	2	3.8	2
2	200	4	710	5	18	6	8.3	4
8	200	4	2070	16	43	13	24	12
24	100	2	790	6	22	7	13.3	7
7	50	1	4990	39	76	24	41.7	20
8	100	2	1330	10	54	17	26.1	13
6	50	1	4310	33	19	6	8.9	4
4	50	1	4270	33	19	6	8.9	4
15	200	4	730	6	10	3	5	2
9	50	1	770	6	18	6	11.4	6
6	50	1	16600	128	100	31	67.7	33
8	100	2	3700	29	30	9	17.6	9
7	50	1	480	4	13	4	6.8	3
42	200	4	1010	8	16	5	8.4	4
5	200	4	330	3	9	3	4.4	2
3	50	1	300	2	5	2	3.2	2
4	100	2	240	2	7	2	3.4	2
12	50	1	220	2	12	4	7.9	4
15	50	1	330	3	18	6	8.2	4
19	200	4	400	3	10	3	4.8	2
2	50	1	280	2	2	1	1.7	1
5	50	1	7060	54	25	8	12.7	6
2	200	4	240	2	11	3	4.8	2
4	50	1	160	1	12	4	6.7	3
3	200	4	320	2	7	2	4.2	2
1	50	1	220	2	9	3	5.2	3
3	50	1	290	2	9	3	6.2	3
1	50	1	430	3	20	6	11.4	6
2	50	1	430	3	16	5	8.5	4
13	300	6	210	2	10	3	6.2	3
6	300	6	260	2	11	3	6.2	3
5	100	2	260	2	14	4	6.3	3
7	50	1	290	2	13	4	7.4	4
1	50	1	670	5	2	1	1.4	1

1	50	1	280	2	2	1	1	1
1	400	8	320	2	13	4	5.5	3
1	50	1	170	1	0.5	1	0.5	1
4	200	4	410	3	10	3	6.1	3
5	50	1	270	2	11	3	7.1	3
6	50	1	200	2	9	3	6.1	3
1	200	4	220	2	5	2	3	1
1	50	1	130	1	1	1	0.9	1
2	500	10	270	2	4	1	2.7	1
4	50	1	210	2	5	2	3.1	2
4	200	4	250	2	5	2	2.5	1
3	200	4	280	2	7	2	3.8	2
4	200	4	230	2	6	2	3.8	2
2	200	4	190	1	8	2	3.7	2
2	50	1	220	2	11	3	6.1	3
4	50	1	270	2	12	4	7.1	3
8	50	1	290	2	13	4	8.5	4
2	50	1	370	3	17	5	10.3	5
4	50	1	160	1	11	3	7	3
3	50	1	190	1	12	4	7.2	4
2	50	1	150	1	10	3	7	3
2	50	1	140	1	5	2	3.6	2
5	50	1	90	1	8	2	5.5	3
4	50	1	200	2	11	3	5.6	3
9	50	1	360	3	8	2	5	2
3	50	1	200	2	9	3	4.2	2
2	50	1	170	1	12	4	8	4
2	50	1	360	3	19	6	9.9	5
1	50	1	4650	36	12	4	7.9	4
6	50	1	1690	13	15	5	8.7	4
10	50	1	290	2	12	4	8	4
3	50	1	110	1	17	5	8.1	4
6	50	1	130	1	10	3	5.6	3
3	50	1	430	3	6	2	4.1	2
10	50	1	350	3	20	6	11.4	6
3	50	1	240	2	12	4	6.2	3
4	200	4	450	3	16	5	7.2	4
2	50	1	160	1	9	3	5.4	3
2	100	2	300	2	29	9	14.2	7
7	50	1	730	6	2	1	1.8	1
3	50	1	430	3	12	4	7.7	4
7	50	1	320	2	4	1	3.5	2
4	50	1	760	6	8	2	5.6	3
2	50	1	760	6	15	5	9.5	5
5	50	1	150	1	9	3	4.7	2
7	50	1	110	1	14	4	7.8	4
7	50	1	100	1	8	2	4.7	2
6	50	1	190	1	11	3	6.5	3
2	50	1	200	2	7	2	4.3	2
7	50	1	510	4	11	3	7.4	4
4	50	1	300	2	9	3	5.6	3
5	50	1	190	1	26	8	13.5	7

5	50	1	80	1	6	2	4	2
3	50	1	80	1	10	3	5.3	3
5	50	1	130	1	17	5	7.3	4
4	50	1	350	3	27	8	13.1	6
2	50	1	220	2	10	3	6.8	3
1	50	1	310	2	1	1	0.9	1
6	50	1	1440	11	12	4	6.6	3
2	50	1	1550	12	5	2	2.5	1
4	50	1	250	2	9	3	4.9	2
2	50	1	490	4	12	4	5.7	3
4	50	1	590	5	4	1	2.8	1
5	200	4	1150	9	26	8	12.3	6
5	100	2	450	3	17	5	11.3	6
5	50	1	620	5	12	4	6.5	3
8	50	1	310	2	13	4	7.6	4
2	50	1	240	2	19	6	11.3	6
1	50	1	140	1	10	3	6	3
4	50	1	150	1	12	4	7.7	4
1	50	1	2130	16	3	1	1.4	1
3	50	1	2980	23	3	1	1.3	1
1	50	1	160	1	2	1	1.5	1
2	300	6	350	3	15	5	6.7	3
3	50	1	90	1	4	1	3.7	2
2	50	1	60	1	11	3	5	2
3	50	1	130	1	13	4	7	3
3	50	1	110	1	7	2	4	2
1	50	1	130	1	13	4	6.5	3
3	200	4	90	1	7	2	4.7	2
1	50	1	420	3	12	4	6.3	3
3	50	1	190	1	14	4	7.1	3
1	50	1	100	1	4	1	2.6	1
2	50	1	100	1	16	5	7.4	4
4	50	1	600	5	13	4	6.4	3
2	50	1	900	7	5	2	2.9	1
1	50	1	1590	12	32	10	16.5	8
1	50	1	1620	13	3	1	1.6	1
1	50	1	780	6	0.5	1	0.25	1
3	50	1	650	5	4	1	2.2	1
9	50	1	350	3	15	5	7.7	4
1	50	1	140	1	19	6	10.2	5
5	50	1	130	1	11	3	5	2
2	50	1	270	2	5	2	4.1	2
2	50	1	220	2	4	1	4.3	2
1	50	1	660	5	1	1	0.7	1
1	50	1	580	4	3	1	1.9	1
5	50	1	260	2	17	5	10.6	5
5	50	1	1950	15	12	4	7.8	4
3	50	1	170	1	2	1	1.6	1
1	50	1	930	7	5	2	2.4	1
1	50	1	550	4	3	1	1.4	1
1	50	1	140	1	0.5	1	0.25	1
2	50	1	1580	12	5	2	3.7	2

4	50	1	420	3	15	5	6.2	3
5	50	1	530	4	37	11	17.8	9
4	100	2	570	4	15	5	8.5	4
1	50	1	240	2	13	4	4.9	2
2	200	4	250	2	7	2	3	1
3	50	1	1170	9	3	1	1.9	1
1	50	1	1180	9	5	2	2.1	1
1	50	1	1020	8	37	11	21	10
1	50	1	1670	13	5	2	2.8	1
1	50	1	3660	28	4	1	2.2	1
7	50	1	2200	17	5	2	3.9	2
10	50	1	1010	8	42	13	23.1	11
2	50	1	810	6	51	16	25.3	12
2	50	1	250	2	16	5	6.6	3
2	50	1	540	4	18	6	7.7	4
3	50	1	340	3	7	2	4.2	2
2	50	1	80	1	9	3	4.1	2
1	50	1	860	7	34	11	13.7	7
2	50	1	230	2	13	4	5.5	3
1	50	1	2000	15	4	1	2	1
2	200	4	1290	10	8	2	4.2	2
2	50	1	950	7	10	3	5.1	3
6	50	1	380	3	13	4	5.6	3
1	50	1	160	1	17	5	8.1	4
1	50	1	170	1	6	2	2.7	1
1	50	1	160	1	15	5	7	3
2	50	1	900	7	28	9	10.4	5
4	50	1	160	1	18	6	7.4	4
2	50	1	380	3	7	2	3.7	2
1	50	1	100	1	3	1	1.7	1
1	50	1	190	1	1	1	1.3	1
3	50	1	270	2	13	4	7.2	4
3	200	4	400	3	7	2	3.4	2
3	50	1	310	2	12	4	5.6	3
7	50	1	160	1	2	1	2.2	1
3	50	1	610	5	9	3	3.9	2
6	50	1	370	3	13	4	5.7	3
1	50	1	600	5	29	9	13.1	6
3	50	1	690	5	43	13	16.1	8
3	50	1	180	1	8	2	4.2	2
	50		190		6		3.7	
	50		129.5556		3.234043		2.038298	

Eu	EuRR	Fe	FeRR	Gd	GdRR	La	LaRR	Li
MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5
0.5		1		1		1		5
PPB		PPM		PPB		PPB		PPB
0.6	1	160	6	1	1	10	1	2.5
2	2	82	3	7	2	17	2	7
3.8	4	59	2	13	4	30	3	2.5
3.9	4	27	1	12	4	32	3	2.5
6.1	6	34	1	22	7	78	8	2.5
9.7	9	69	3	35	12	89	9	2.5
11.7	11	194	7	41	14	185	19	11
4.7	5	71	3	16	5	74	8	2.5
2	2	76	3	7	2	20	2	2.5
2	2	53	2	7	2	23	2	2.5
1.2	1	86	3	4	1	26	3	2.5
1.7	2	296	11	5	2	31	3	15
3	3	286	11	11	4	41	4	6
3.2	3	133	5	11	4	36	4	6
2.2	2	294	11	8	3	32	3	8
8.4	8	88	3	30	10	158	16	8
12.3	12	162	6	45	15	224	23	9
7.1	7	198	8	28	9	90	9	7
24.3	23	23	1	101	33	340	35	2.5
22	21	160	6	91	30	415	42	6
7.5	7	20	1	31	10	126	13	11
9	9	20	1	37	12	145	15	10
3.1	3	206	8	11	4	57	6	15
3.2	3	104	4	13	4	21	2	2.5
21.2	20	242	9	95	31	274	28	2.5
7.8	7	91	3	31	10	126	13	7
3.7	4	68	3	12	4	42	4	2.5
5.8	6	337	13	21	7	110	11	9
3.1	3	206	8	10	3	47	5	2.5
1.3	1	131	5	4	1	15	2	6
2.2	2	140	5	8	3	28	3	2.5
3.6	3	86	3	12	4	57	6	2.5
5.5	5	37	1	20	7	65	7	2.5
4.4	4	242	9	14	5	90	9	11
0.9	1	270	10	3	1	20	2	9
10.2	10	16	1	45	15	162	16	8
5.2	5	70	3	19	6	129	13	13
3.6	3	34	1	11	4	29	3	2.5
2.4	2	216	8	7	2	38	4	10
2.4	2	43	2	8	3	18	2	2.5
2.2	2	39	1	8	3	17	2	2.5
4.6	4	40	2	17	6	29	3	2.5
5.3	5	30	1	17	6	48	5	2.5
3	3	81	3	11	4	33	3	7
2.7	3	209	8	10	3	38	4	14
5.3	5	32	1	17	6	64	7	2.5
3.6	3	31	1	12	4	33	3	2.5
0.9	1	347	13	3	1	16	2	2.5

0.8	1	259	10	2	1	12	1	2.5
4.9	5	63	2	16	5	76	8	11
0.25	1	94	4	0.5	1	2	1	2.5
3.3	3	131	5	10	3	54	5	7
3.2	3	127	5	12	4	57	6	7
2	2	54	2	7	2	19	2	2.5
1.7	2	152	6	6	2	28	3	2.5
0.5	1	97	4	1	1	9	1	2.5
1.6	2	177	7	5	2	36	4	2.5
1.3	1	122	5	4	1	17	2	2.5
2.2	2	430	16	6	2	38	4	2.5
2.6	2	260	10	8	3	36	4	17
2	2	187	7	6	2	28	3	11
2.8	3	179	7	9	3	37	4	7
2.9	3	43	2	10	3	29	3	2.5
3.5	3	71	3	12	4	34	3	2.5
4.6	4	114	4	15	5	55	6	2.5
5.1	5	69	3	18	6	51	5	2.5
2.6	2	80	3	8	3	21	2	2.5
3.8	4	47	2	11	4	35	4	2.5
2.4	2	42	2	8	3	19	2	2.5
1.4	1	78	3	4	1	13	1	2.5
2.2	2	62	2	7	2	21	2	2.5
3.4	3	70	3	11	4	36	4	6
2	2	88	3	7	2	21	2	5
3.5	3	24	1	13	4	71	7	2.5
2.5	2	18	1	9	3	16	2	2.5
4.6	4	15	1	16	5	40	4	2.5
2.7	3	17	1	9	3	10	1	2.5
3.7	4	98	4	13	4	33	3	2.5
4.2	4	225	9	14	5	93	9	30
4.4	4	14	1	15	5	32	3	2.5
2	2	33	1	7	2	15	2	2.5
1.3	1	63	2	4	1	17	2	2.5
5.9	6	44	2	20	7	57	6	2.5
4	4	114	4	13	4	86	9	2.5
5.9	6	129	5	20	7	98	10	8
2.6	2	61	2	9	3	42	4	2.5
13	12	101	4	44	15	201	20	6
0.6	1	145	5	2	1	8	1	7
3.1	3	53	2	10	3	31	3	2.5
0.7	1	118	4	2	1	5	1	15
1.8	2	133	5	6	2	14	1	10
3.8	4	15	1	13	4	31	3	2.5
3.5	3	65	2	11	4	53	5	2.5
4.3	4	35	1	14	5	37	4	2.5
2.6	2	56	2	8	3	22	2	2.5
3	3	49	2	10	3	22	2	6
1.7	2	64	2	5	2	12	1	2.5
2.3	2	50	2	8	3	14	1	2.5
2.5	2	42	2	8	3	23	2	2.5
6.9	7	46	2	24	8	38	4	2.5

1.4	1	56	2	4	1	8	1	2.5
2.4	2	20	1	8	3	13	1	2.5
4.7	5	23	1	16	5	44	4	2.5
8.5	8	29	1	32	11	96	10	2.5
1.5	1	27	1	5	2	8	1	2.5
0.25	1	115	4	0.5	1	4	1	6
2.5	2	64	2	9	3	21	2	2.5
1.9	2	210	8	6	2	20	2	2.5
2.8	3	133	5	9	3	33	3	12
5.3	5	180	7	18	6	120	12	6
1.2	1	84	3	4	1	21	2	2.5
10.3	10	281	11	38	13	235	24	11
5.4	5	221	8	20	7	127	13	10
4.2	4	91	3	15	5	70	7	2.5
2.8	3	39	1	11	4	31	3	2.5
4.2	4	26	1	15	5	39	4	2.5
2.4	2	72	3	9	3	34	3	2.5
2.2	2	38	1	8	3	17	2	2.5
1.3	1	307	12	4	1	15	2	2.5
1.1	1	197	7	3	1	9	1	2.5
0.5	1	38	1	2	1	22	2	8
6.1	6	80	3	20	7	86	9	2.5
0.8	1	75	3	3	1	10	1	2.5
3.8	4	50	2	12	4	41	4	2.5
3.4	3	35	1	13	4	27	3	2.5
1.9	2	85	3	7	2	17	2	5
3	3	20	1	11	4	18	2	2.5
2.5	2	201	8	8	3	34	3	8
3.6	3	48	2	12	4	61	6	2.5
4.8	5	23	1	16	5	37	4	2.5
1	1	75	3	3	1	11	1	2.5
4.4	4	13	1	14	5	31	3	2.5
4	4	79	3	14	5	41	4	2.5
1.6	2	147	6	6	2	22	2	2.5
9.3	9	37	1	33	11	53	5	2.5
1.3	1	53	2	4	1	21	2	2.5
0.25	1	101	4	0.5	1	4	1	2.5
2.2	2	240	9	7	2	54	5	2.5
3.9	4	54	2	14	5	39	4	8
5.4	5	22	1	19	6	48	5	2.5
3.9	4	85	3	14	5	50	5	2.5
1	1	47	2	3	1	13	1	5
0.25	1	36	1	2	1	0.5	1	2.5
0.25	1	191	7	1	1	6	1	2.5
1.2	1	256	10	4	1	17	2	2.5
3.1	3	73	3	12	4	27	3	2.5
3.6	3	131	5	12	4	62	6	2.5
0.7	1	97	4	2	1	11	1	2.5
1.5	1	112	4	5	2	17	2	2.5
1.2	1	57	2	3	1	15	2	2.5
0.25	1	80	3	0.5	1	3	1	2.5
1.2	1	75	3	4	1	9	1	2.5

5.6	5	86	3	20	7	58	6	7
11.7	11	50	2	42	14	107	11	2.5
4.7	5	76	3	16	5	71	7	2.5
5	5	244	9	18	6	49	5	2.5
2.6	2	113	4	8	3	38	4	18
1.3	1	325	12	4	1	11	1	2.5
2.1	2	292	11	7	2	26	3	2.5
13.1	13	16	1	47	15	38	4	2.5
1.7	2	168	6	5	2	19	2	2.5
1.4	1	107	4	4	1	14	1	2.5
1.3	1	190	7	4	1	18	2	2.5
6.6	6	140	5	28	9	40	4	2.5
18.2	17	42	2	73	24	180	18	2.5
5.3	5	21	1	19	6	46	5	2.5
6.3	6	76	3	22	7	71	7	2.5
1.9	2	31	1	6	2	19	2	2.5
2.4	2	21	1	9	3	23	2	2.5
15.5	15	51	2	56	18	252	26	2.5
3.7	4	55	2	13	4	25	3	2.5
1.4	1	114	4	5	2	17	2	2.5
2.8	3	122	5	9	3	35	4	9
3.3	3	82	3	11	4	29	3	2.5
5.4	5	54	2	20	7	48	5	2.5
6.9	7	16	1	24	8	58	6	2.5
1.7	2	161	6	5	2	16	2	7
5.7	5	43	2	19	6	43	4	2.5
11.6	11	24	1	43	14	75	8	2.5
6.8	7	45	2	26	9	52	5	9
1.9	2	101	4	7	2	11	1	2.5
0.8	1	56	2	2	1	4	1	2.5
0.25	1	138	5	0.5	1	0.5	1	13
4.2	4	11	1	14	5	23	2	2.5
2.2	2	219	8	8	3	23	2	2.5
4.2	4	29	1	15	5	35	4	2.5
0.6	1	135	5	2	1	5	1	2.5
3.9	4	86	3	13	4	55	6	2.5
4.4	4	28	1	16	5	42	4	2.5
13.3	13	36	1	49	16	177	18	2.5
22.3	21	16	1	81	27	216	22	2.5
2	2	70	3	7	2	14	1	2.5
1.875		42		6		17		2.5
1.041837		26.375		3.032609		9.825		2.5

LiRR	Mg MMI-M5 1 PPM	MgRR	Mo MMI-M5 5 PPB	MoRR	Nb MMI-M5 0.5 PPB	NbRR	Nd MMI-M5 1 PPB	NdRR
1	2	4	12	4	4.6	5	7	1
3	1	2	17	5	8.1	8	24	2
1	0.5	1	24	7	3.7	4	47	4
1	0.5	1	10	3	1.9	2	46	4
1	0.5	1	11	3	1.6	2	88	8
1	0.5	1	16	5	3.5	3	148	13
4	2	4	9	3	12.5	12	231	20
1	0.5	1	8	2	8.7	9	76	7
1	0.5	1	7	2	7	7	26	2
1	0.5	1	7	2	2.9	3	26	2
1	1	2	11	3	11.3	11	20	2
6	3	6	14	4	40.3	40	24	2
2	13	26	14	4	5.3	5	47	4
2	2	4	7	2	5.6	6	41	4
3	18	36	18	6	6.7	7	36	3
3	11	22	8	2	9.5	9	171	15
4	2	4	12	4	8.2	8	245	21
3	49	98	8	2	2.1	2	127	11
1	31	62	11	3	0.25	1	446	39
2	18	36	10	3	3.9	4	501	44
4	40	80	807	249	3.3	3	161	14
4	29	58	81	25	1.5	1	195	17
6	9	18	17	5	16.8	17	56	5
1	5	10	7	2	2.2	2	33	3
1	5	10	21	6	3.5	3	365	32
3	1	2	9	3	2.5	2	131	11
1	0.5	1	7	2	3.4	3	54	5
4	7	14	40	12	10.8	11	115	10
1	1	2	18	6	14.6	14	44	4
2	2	4	7	2	2.7	3	15	1
1	5	10	49	15	7.1	7	31	3
1	0.5	1	8	2	4.7	5	54	5
1	0.5	1	9	3	2	2	81	7
4	4	8	40	12	26.7	26	78	7
4	3	6	16	5	9.8	10	14	1
3	58	116	340	105	3.9	4	227	20
5	6	12	29	9	23.6	23	121	11
1	0.5	1	10	3	1.1	1	42	4
4	2	4	14	4	15.2	15	37	3
1	0.5	1	9	3	3.4	3	28	2
1	0.5	1	8	2	1.7	2	26	2
1	0.5	1	18	6	1.5	1	58	5
1	0.5	1	15	5	1.5	1	69	6
3	3	6	13	4	7.9	8	42	4
6	4	8	20	6	20.3	20	39	3
1	0.5	1	8	2	4.4	4	73	6
1	0.5	1	5	2	1	1	50	4
1	1	2	6	2	3.8	4	13	1

1	0.5	1	6	2	7.8	8	10	1
4	1	2	14	4	20	20	73	6
1	1	2	2.5	1	3.4	3	2	1
3	0.5	1	9	3	11.5	11	52	5
3	0.5	1	8	2	7.4	7	51	4
1	0.5	1	6	2	2.6	3	24	2
1	0.5	1	8	2	16.7	16	25	2
1	0.5	1	6	2	3.7	4	6	1
1	2	4	8	2	7.3	7	27	2
1	4	8	7	2	5.1	5	15	1
1	5	10	27	8	21.3	21	30	3
7	6	12	167	52	41.6	41	34	3
4	4	8	74	23	27	27	25	2
3	5	10	36	11	22.3	22	36	3
1	0.5	1	9	3	2.3	2	41	4
1	2	4	6	2	3.1	3	50	4
1	2	4	10	3	4	4	71	6
1	2	4	11	3	5.1	5	82	7
1	2	4	6	2	2.9	3	30	3
1	0.5	1	2.5	1	1.4	1	45	4
1	0.5	1	2.5	1	1.3	1	28	2
1	0.5	1	5	2	2.6	3	17	1
1	0.5	1	5	2	1.8	2	25	2
2	1	2	8	2	7.8	8	44	4
2	0.5	1	7	2	3.4	3	24	2
1	2	4	12	4	2.5	2	63	6
1	0.5	1	7	2	0.25	1	27	2
1	0.5	1	10	3	0.5	1	57	5
1	0.5	1	23	7	0.25	1	23	2
1	2	4	54	17	2.2	2	46	4
12	52	104	2.5	1	5.9	6	82	7
1	0.5	1	6	2	1.3	1	51	4
1	0.5	1	6	2	1.9	2	21	2
1	0.5	1	6	2	1.5	1	17	1
1	0.5	1	7	2	3.7	4	86	8
1	0.5	1	6	2	6.4	6	71	6
3	0.5	1	10	3	15.2	15	98	9
1	0.5	1	5	2	4.3	4	37	3
2	0.5	1	12	4	14.2	14	238	21
3	4	8	21	6	10.9	11	7	1
1	0.5	1	13	4	2.1	2	42	4
6	4	8	17	5	8.5	8	6	1
4	1	2	40	12	9	9	19	2
1	0.5	1	11	3	1.4	1	47	4
1	0.5	1	9	3	9	9	48	4
1	0.5	1	7	2	2.6	3	53	5
1	2	4	6	2	2.8	3	31	3
2	1	2	2.5	1	1.4	1	34	3
1	0.5	1	2.5	1	2.4	2	15	1
1	0.5	1	2.5	1	0.6	1	23	2
1	0.5	1	2.5	1	1.5	1	32	3
1	0.5	1	2.5	1	2.1	2	86	8

1	0.5	1	5	2	1.5	1	13	1
1	0.5	1	6	2	0.6	1	27	2
1	0.5	1	7	2	1.9	2	63	6
1	3	6	13	4	1.6	2	147	13
1	0.5	1	7	2	0.8	1	13	1
2	0.5	1	14	4	4.3	4	3	1
1	0.5	1	21	6	1.7	2	26	2
1	0.5	1	47	15	2.3	2	22	2
5	3	6	22	7	9.1	9	34	3
2	2	4	10	3	7.9	8	116	10
1	0.5	1	5	2	3.2	3	16	1
4	8	16	9	3	8.8	9	231	20
4	4	8	10	3	10.7	11	119	10
1	0.5	1	9	3	6	6	69	6
1	0.5	1	6	2	1.6	2	37	3
1	0.5	1	5	2	1.1	1	57	5
1	0.5	1	7	2	3.2	3	31	3
1	0.5	1	7	2	1.4	1	23	2
1	0.5	1	56	17	3.5	3	13	1
1	0.5	1	42	13	1	1	9	1
3	2	4	61	19	3.3	3	6	1
1	0.5	1	43	13	9.9	10	82	7
1	2	4	2.5	1	2.9	3	8	1
1	0.5	1	8	2	6.1	6	47	4
1	0.5	1	2.5	1	1.6	2	43	4
2	0.5	1	2.5	1	2.9	3	23	2
1	0.5	1	2.5	1	0.8	1	34	3
3	0.5	1	9	3	16.8	17	33	3
1	0.5	1	2.5	1	2.4	2	54	5
1	0.5	1	2.5	1	1.2	1	60	5
1	0.5	1	2.5	1	5.3	5	10	1
1	0.5	1	5	2	0.7	1	53	5
1	0.5	1	22	7	3.4	3	45	4
1	4	8	15	5	5	5	22	2
1	0.5	1	83	26	3.6	4	98	9
1	0.5	1	213	66	3.1	3	18	2
1	0.5	1	71	22	2.2	2	2	1
1	3	6	51	16	2.9	3	43	4
3	2	4	14	4	1.7	2	52	5
1	0.5	1	7	2	1.3	1	70	6
1	5	10	8	2	6.7	7	55	5
2	0.5	1	2.5	1	1	1	11	1
1	0.5	1	2.5	1	1.1	1	2	1
1	0.5	1	6	2	1.4	1	5	1
1	0.5	1	6	2	2.1	2	16	1
1	2	4	10	3	7.1	7	40	4
1	1	2	26	8	2.1	2	57	5
1	3	6	15	5	6.9	7	7	1
1	0.5	1	21	6	2.6	3	18	2
1	0.5	1	168	52	12.5	12	13	1
1	2	4	18	6	1.8	2	2	1
1	0.5	1	101	31	7.6	7	9	1

3	4	8	16	5	7.7	8	70	6
1	0.5	1	8	2	3.1	3	173	15
1	0.5	1	2.5	1	3.7	4	76	7
1	0.5	1	5	2	1.4	1	49	4
7	6	12	28	9	37.6	37	34	3
1	7	14	18	6	3.2	3	13	1
1	0.5	1	24	7	6.9	7	24	2
1	0.5	1	116	36	0.25	1	157	14
1	0.5	1	89	28	1.4	1	21	2
1	0.5	1	47	15	1.2	1	15	1
1	4	8	37	11	7.7	8	17	1
1	11	22	24	7	7.4	7	68	6
1	29	58	19	6	2	2	302	26
1	1	2	6	2	1.2	1	76	7
1	0.5	1	10	3	2.8	3	87	8
1	0.5	1	8	2	0.9	1	23	2
1	0.5	1	8	2	0.8	1	31	3
1	2	4	18	6	5.2	5	297	26
1	2	4	12	4	1.8	2	43	4
1	0.5	1	55	17	4.8	5	16	1
4	4	8	182	56	28.8	28	37	3
1	0.5	1	48	15	5.1	5	37	3
1	20	40	11	3	1	1	72	6
1	0.5	1	2.5	1	0.25	1	102	9
3	2	4	8	2	8.3	8	15	1
1	3	6	2.5	1	1.4	1	61	5
1	15	30	8	2	0.25	1	108	9
4	28	56	5	2	1.2	1	78	7
1	2	4	2.5	1	0.7	1	16	1
1	3	6	2.5	1	2.2	2	6	1
5	3	6	2.5	1	1.9	2	1	1
1	0.5	1	10	3	0.25	1	51	4
1	5	10	77	24	15.9	16	30	3
1	0.5	1	19	6	1.3	1	60	5
1	2	4	6	2	3.3	3	4	1
1	0.5	1	56	17	9.8	10	62	5
1	0.5	1	17	5	1.1	1	59	5
1	8	16	32	10	3.6	4	249	22
1	10	20	13	4	0.6	1	394	35
1	6	12	8	2	2.8	3	20	2
	0.5		6		1.6		22	
	0.5		3.235294		1.013542		11.41667	

Ni	NiRR	Pb	PbRR	Pd	PdRR	Pr	PrRR	Rb
MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5
5		10		1		1		5
PPB		PPB		PPB		PPB		PPB
143	3	20	1	0.5	1	2	1	101
235	5	260	3	0.5	1	6	2	146
121	3	320	4	0.5	1	11	3	71
155	3	310	4	0.5	1	11	3	85
90	2	150	2	0.5	1	23	7	159
89	2	200	3	0.5	1	34	11	95
133	3	270	3	0.5	1	59	18	60
140	3	140	2	0.5	1	20	6	50
259	5	300	4	0.5	1	7	2	62
184	4	240	3	0.5	1	7	2	181
61	1	450	6	0.5	1	6	2	104
87	2	80	1	0.5	1	7	2	119
194	4	40	1	0.5	1	12	4	128
268	6	130	2	0.5	1	11	3	104
282	6	50	1	0.5	1	10	3	79
198	4	580	7	0.5	1	46	14	67
100	2	460	6	0.5	1	65	20	45
421	9	200	3	0.5	1	31	10	13
291	6	1630	20	0.5	1	112	35	22
241	5	400	5	0.5	1	135	42	110
881	18	260	3	0.5	1	38	12	133
311	6	410	5	0.5	1	46	14	46
173	4	280	4	0.5	1	15	5	70
252	5	780	10	0.5	1	8	3	101
293	6	560	7	0.5	1	92	29	32
212	4	360	5	0.5	1	35	11	24
294	6	220	3	0.5	1	14	4	68
218	5	250	3	0.5	1	31	10	101
148	3	130	2	0.5	1	12	4	88
116	2	270	3	0.5	1	4	1	201
254	5	910	11	0.5	1	8	3	140
259	5	120	2	0.5	1	14	4	140
276	6	150	2	0.5	1	21	7	148
166	3	470	6	0.5	1	22	7	185
106	2	100	1	0.5	1	5	2	102
598	12	490	6	0.5	1	54	17	172
123	3	160	2	0.5	1	34	11	85
176	4	190	2	0.5	1	10	3	119
92	2	810	10	0.5	1	10	3	170
195	4	310	4	0.5	1	7	2	127
110	2	460	6	0.5	1	7	2	144
208	4	1260	16	0.5	1	13	4	116
161	3	780	10	0.5	1	16	5	137
421	9	440	6	0.5	1	10	3	97
218	5	790	10	0.5	1	10	3	158
85	2	240	3	0.5	1	18	6	131
414	9	260	3	0.5	1	12	4	108
63	1	20	1	0.5	1	4	1	87

54	1	20	1	0.5	1	3	1	87
51	1	220	3	0.5	1	19	6	98
43	1	5	1	0.5	1	0.5	1	71
101	2	100	1	0.5	1	14	4	30
170	4	230	3	0.5	1	14	4	67
170	4	230	3	0.5	1	6	2	148
96	2	50	1	0.5	1	7	2	59
49	1	100	1	0.5	1	2	1	73
172	4	30	1	0.5	1	8	3	56
101	2	100	1	0.5	1	4	1	52
154	3	70	1	0.5	1	8	3	62
124	3	1000	13	0.5	1	9	3	140
180	4	420	5	0.5	1	7	2	102
288	6	1410	18	0.5	1	9	3	118
136	3	480	6	0.5	1	10	3	124
270	6	270	3	0.5	1	12	4	198
219	5	240	3	0.5	1	18	6	107
145	3	250	3	0.5	1	19	6	73
213	4	180	2	0.5	1	7	2	158
190	4	170	2	0.5	1	11	3	123
106	2	230	3	0.5	1	7	2	106
177	4	120	2	0.5	1	4	1	119
199	4	190	2	0.5	1	6	2	187
137	3	300	4	0.5	1	11	3	140
201	4	250	3	0.5	1	6	2	153
93	2	480	6	0.5	1	17	5	181
92	2	610	8	0.5	1	6	2	104
89	2	890	11	0.5	1	14	4	145
51	1	14600	183	0.5	1	5	2	113
165	3	4480	56	0.5	1	11	3	63
182	4	200	3	0.5	1	24	8	25
138	3	250	3	0.5	1	12	4	134
164	3	330	4	0.5	1	5	2	199
63	1	80	1	0.5	1	5	2	78
115	2	200	3	0.5	1	22	7	111
143	3	90	1	0.5	1	20	6	84
116	2	150	2	0.5	1	28	9	88
89	2	100	1	0.5	1	10	3	51
56	1	160	2	0.5	1	63	20	44
108	2	30	1	0.5	1	2	1	44
126	3	350	4	0.5	1	11	3	139
130	3	1960	25	0.5	1	2	1	238
164	3	1500	19	0.5	1	5	2	143
56	1	640	8	0.5	1	11	3	123
98	2	210	3	0.5	1	12	4	170
91	2	190	2	0.5	1	13	4	67
164	3	190	2	0.5	1	8	3	119
272	6	180	2	0.5	1	8	3	110
166	3	130	2	0.5	1	4	1	116
223	5	120	2	0.5	1	5	2	45
105	2	120	2	0.5	1	8	3	56
247	5	170	2	0.5	1	19	6	125

260	5	190	2	0.5	1	3	1	105
151	3	180	2	0.5	1	6	2	64
122	3	250	3	0.5	1	15	5	68
173	4	340	4	0.5	1	34	11	158
110	2	1160	15	0.5	1	3	1	52
43	1	800	10	0.5	1	1	1	58
54	1	7140	90	0.5	1	7	2	116
103	2	200	3	0.5	1	6	2	75
171	4	210	3	0.5	1	9	3	95
124	3	60	1	0.5	1	29	9	37
85	2	60	1	0.5	1	5	2	35
327	7	400	5	0.5	1	62	19	83
174	4	90	1	0.5	1	33	10	28
127	3	120	2	0.5	1	19	6	75
154	3	210	3	0.5	1	10	3	82
97	2	230	3	0.5	1	14	4	67
72	2	140	2	0.5	1	9	3	85
101	2	230	3	0.5	1	6	2	87
130	3	450	6	0.5	1	4	1	59
154	3	660	8	0.5	1	3	1	97
55	1	560	7	0.5	1	2	1	27
83	2	1300	16	0.5	1	21	7	109
79	2	130	2	0.5	1	2	1	51
110	2	140	2	0.5	1	12	4	97
203	4	260	3	0.5	1	10	3	149
175	4	150	2	0.5	1	6	2	112
87	2	220	3	0.5	1	8	3	89
138	3	280	4	0.5	1	9	3	56
36	1	130	2	0.5	1	15	5	19
88	2	240	3	0.5	1	14	4	144
117	2	90	1	0.5	1	3	1	71
97	2	240	3	0.5	1	13	4	64
116	2	940	12	0.5	1	12	4	50
114	2	90	1	0.5	1	6	2	56
24	1	8430	106	0.5	1	22	7	122
30	1	1760	22	0.5	1	6	2	68
26	1	130	2	0.5	1	1	1	60
125	3	30	1	0.5	1	13	4	40
279	6	270	3	0.5	1	13	4	179
57	1	220	3	0.5	1	16	5	79
154	3	220	3	0.5	1	14	4	137
62	1	120	2	0.5	1	3	1	69
35	1	330	4	0.5	1	0.5	1	130
41	1	20	1	0.5	1	2	1	91
81	2	5	1	0.5	1	5	2	77
184	4	410	5	0.5	1	10	3	124
212	4	140	2	0.5	1	16	5	51
66	1	190	2	0.5	1	2	1	72
24	1	80	1	0.5	1	5	2	60
22	1	1420	18	0.5	1	4	1	36
37	1	90	1	0.5	1	0.5	1	44
55	1	4300	54	0.5	1	3	1	62

111	2	570	7	0.5	1	18	6	60
129	3	310	4	0.5	1	40	13	56
84	2	180	2	0.5	1	20	6	53
38	1	380	5	0.5	1	13	4	17
97	2	380	5	0.5	1	10	3	80
172	4	80	1	0.5	1	3	1	68
65	1	160	2	0.5	1	7	2	41
13	1	6540	82	0.5	1	29	9	101
19	1	50	1	0.5	1	6	2	110
21	1	930	12	0.5	1	4	1	95
139	3	1090	14	0.5	1	5	2	58
195	4	580	7	0.5	1	15	5	60
147	3	440	6	0.5	1	70	22	29
147	3	230	3	0.5	1	19	6	48
55	1	140	2	0.5	1	23	7	48
73	2	200	3	0.5	1	6	2	115
128	3	210	3	0.5	1	8	3	67
64	1	150	2	0.5	1	78	24	43
136	3	240	3	0.5	1	10	3	71
32	1	1540	19	0.5	1	5	2	82
82	2	490	6	0.5	1	10	3	44
26	1	860	11	0.5	1	9	3	41
157	3	260	3	0.5	1	18	6	70
27	1	200	3	0.5	1	25	8	31
56	1	360	5	0.5	1	4	1	54
54	1	210	3	0.5	1	14	4	33
297	6	400	5	0.5	1	25	8	7
137	3	320	4	0.5	1	18	6	20
144	3	90	1	0.5	1	4	1	36
49	1	420	5	0.5	1	2	1	8
47	1	110	1	0.5	1	0.5	1	116
90	2	260	3	0.5	1	11	3	50
133	3	910	11	0.5	1	8	3	11
51	1	390	5	0.5	1	14	4	49
90	2	110	1	0.5	1	2	1	13
44	1	360	5	0.5	1	16	5	95
93	2	180	2	0.5	1	14	4	124
58	1	170	2	0.5	1	63	20	71
58	1	90	1	0.5	1	91	29	24
99	2	230	3	0.5	1	5	2	46
81.75		140		0.5		6		53.75
47.91837		79.57447		0.5		3.191489		35.81633

RbRR	Sb	SbRR	Sc	ScRR	Sm	SmRR	Sn	SnRR
	MMI-M5		MMI-M5		MMI-M5		MMI-M5	
	1		5		1		1	
	PPB		PPB		PPB		PPB	
3	0.5	1	32	3	1	1	0.5	1
4	1	2	46	4	6	2	1	2
2	3	6	52	4	11	4	0.5	1
2	0.5	1	45	4	11	4	0.5	1
4	0.5	1	56	4	20	8	0.5	1
3	1	2	58	5	34	13	0.5	1
2	2	4	71	6	45	17	1	2
1	1	2	37	3	16	6	1	2
2	1	2	35	3	6	2	0.5	1
5	1	2	38	3	6	2	0.5	1
3	2	4	55	4	4	2	2	4
3	2	4	56	4	5	2	6	12
4	2	4	36	3	10	4	0.5	1
3	2	4	35	3	9	3	0.5	1
2	4	8	37	3	7	3	1	2
2	5	10	42	3	32	12	1	2
1	22	44	71	6	47	18	0.5	1
1	11	22	35	3	27	10	0.5	1
1	37	74	81	6	95	37	0.5	1
3	10	20	67	5	94	36	0.5	1
4	214	428	20	2	31	12	0.5	1
1	52	104	24	2	38	15	0.5	1
2	2	4	55	4	11	4	4	8
3	1	2	33	3	10	4	0.5	1
1	8	16	146	11	80	31	0.5	1
1	7	14	58	5	27	10	0.5	1
2	1	2	25	2	12	5	0.5	1
3	52	104	39	3	23	9	3	6
2	3	6	35	3	10	4	2	4
6	1	2	23	2	4	2	0.5	1
4	11	22	25	2	7	3	0.5	1
4	2	4	49	4	11	4	0.5	1
4	1	2	35	3	19	7	0.5	1
5	8	16	51	4	16	6	4	8
3	4	8	27	2	3	1	0.5	1
5	90	180	13	1	42	16	0.5	1
2	24	48	34	3	21	8	3	6
3	1	2	37	3	10	4	0.5	1
5	5	10	42	3	8	3	1	2
4	1	2	32	3	8	3	0.5	1
4	2	4	32	3	6	2	0.5	1
3	2	4	24	2	15	6	0.5	1
4	3	6	32	3	16	6	0.5	1
3	1	2	27	2	10	4	0.5	1
4	3	6	46	4	9	3	3	6
4	1	2	38	3	17	7	0.5	1
3	0.5	1	31	2	11	4	0.5	1
2	1	2	14	1	3	1	0.5	1

2	1	2	14	1	2	1	1	2
3	2	4	52	4	16	6	3	6
2	0.5	1	17	1	0.5	1	0.5	1
1	3	6	35	3	11	4	2	4
2	1	2	34	3	11	4	0.5	1
4	0.5	1	25	2	5	2	0.5	1
2	1	2	58	5	6	2	3	6
2	0.5	1	34	3	1	1	0.5	1
2	1	2	20	2	6	2	0.5	1
1	0.5	1	18	1	3	1	0.5	1
2	3	6	12	1	6	2	0.5	1
4	45	90	64	5	8	3	8	16
3	6	12	48	4	6	2	5	10
3	11	22	45	4	8	3	4	8
3	2	4	17	1	9	3	0.5	1
6	1	2	26	2	11	4	0.5	1
3	4	8	30	2	15	6	0.5	1
2	10	20	28	2	17	7	0.5	1
4	0.5	1	31	2	7	3	0.5	1
3	0.5	1	31	2	11	4	0.5	1
3	0.5	1	31	2	7	3	0.5	1
3	0.5	1	24	2	4	2	0.5	1
5	1	2	27	2	6	2	0.5	1
4	1	2	32	3	10	4	0.5	1
4	1	2	29	2	6	2	0.5	1
5	1	2	25	2	13	5	0.5	1
3	0.5	1	29	2	7	3	0.5	1
4	1	2	29	2	13	5	0.5	1
3	21	42	25	2	7	3	0.5	1
2	29	58	22	2	12	5	0.5	1
1	1	2	19	1	15	6	0.5	1
4	1	2	29	2	13	5	0.5	1
6	0.5	1	23	2	5	2	0.5	1
2	1	2	20	2	4	2	0.5	1
3	1	2	38	3	20	8	0.5	1
2	1	2	29	2	14	5	0.5	1
2	2	4	41	3	22	9	2	4
1	1	2	28	2	8	3	0.5	1
1	2	4	55	4	46	18	2	4
1	1	2	17	1	2	1	2	4
4	1	2	25	2	9	3	0.5	1
7	1	2	24	2	2	1	1	2
4	2	4	33	3	5	2	1	2
3	7	14	32	3	10	4	0.5	1
5	2	4	30	2	11	4	1	2
2	1	2	38	3	13	5	0.5	1
3	1	2	21	2	8	3	0.5	1
3	1	2	26	2	8	3	0.5	1
3	0.5	1	18	1	4	2	0.5	1
1	0.5	1	27	2	6	2	0.5	1
2	0.5	1	23	2	8	3	0.5	1
3	0.5	1	32	3	21	8	0.5	1

3	0.5	1	13	1	3	1	0.5	1
2	0.5	1	17	1	7	3	0.5	1
2	0.5	1	32	3	15	6	0.5	1
4	4	8	26	2	31	12	0.5	1
1	1	2	21	2	4	2	0.5	1
2	1	2	7	1	0.5	1	0.5	1
3	2	4	25	2	7	3	0.5	1
2	4	8	16	1	5	2	0.5	1
3	1	2	24	2	8	3	1	2
1	1	2	18	1	20	8	0.5	1
1	1	2	18	1	3	1	0.5	1
2	2	4	51	4	41	16	0.5	1
1	2	4	45	4	21	8	1	2
2	0.5	1	26	2	14	5	0.5	1
2	0.5	1	20	2	9	3	0.5	1
2	0.5	1	25	2	13	5	0.5	1
2	0.5	1	22	2	8	3	0.5	1
2	0.5	1	21	2	7	3	0.5	1
2	3	6	6	1	4	2	0.5	1
3	2	4	9	1	3	1	0.5	1
1	60	120	18	1	2	1	0.5	1
3	2	4	34	3	18	7	0.5	1
1	0.5	1	10	1	2	1	0.5	1
3	0.5	1	17	1	11	4	0.5	1
4	0.5	1	17	1	11	4	0.5	1
3	0.5	1	9	1	6	2	0.5	1
2	0.5	1	20	2	9	3	0.5	1
2	1	2	41	3	8	3	2	4
1	0.5	1	30	2	12	5	0.5	1
4	0.5	1	23	2	15	6	0.5	1
2	0.5	1	15	1	3	1	0.5	1
2	0.5	1	25	2	13	5	0.5	1
1	6	12	16	1	12	5	0.5	1
2	4	8	14	1	5	2	0.5	1
3	38	76	43	3	26	10	0.5	1
2	60	120	16	1	4	2	1	2
2	10	20	11	1	0.5	1	0.5	1
1	1	2	13	1	8	3	0.5	1
5	0.5	1	25	2	13	5	0.5	1
2	0.5	1	25	2	17	7	0.5	1
4	0.5	1	23	2	13	5	0.5	1
2	0.5	1	11	1	3	1	0.5	1
4	0.5	1	15	1	0.5	1	0.5	1
3	0.5	1	6	1	1	1	0.5	1
2	1	2	11	1	4	2	0.5	1
3	1	2	31	2	10	4	0.5	1
1	4	8	19	1	11	4	0.5	1
2	1	2	32	3	2	1	0.5	1
2	4	8	19	1	4	2	0.5	1
1	69	138	18	1	3	1	5	10
1	4	8	10	1	0.5	1	0.5	1
2	34	68	24	2	3	1	0.5	1

2	5	10	26	2	17	7	0.5	1
2	1	2	33	3	41	16	0.5	1
1	1	2	43	3	17	7	0.5	1
1	1	2	9	1	14	5	0.5	1
2	2	4	63	5	8	3	12	24
2	7	14	12	1	3	1	0.5	1
1	8	16	12	1	6	2	0.5	1
3	5	10	44	3	43	17	0.5	1
3	14	28	22	2	5	2	0.5	1
3	13	26	19	1	4	2	0.5	1
2	1	2	20	2	4	2	0.5	1
2	1	2	39	3	19	7	0.5	1
1	0.5	1	34	3	67	26	0.5	1
1	0.5	1	13	1	18	7	0.5	1
1	1	2	25	2	20	8	0.5	1
3	0.5	1	16	1	6	2	0.5	1
2	0.5	1	12	1	8	3	0.5	1
1	3	6	28	2	58	22	0.5	1
2	0.5	1	11	1	11	4	0.5	1
2	4	8	14	1	4	2	0.5	1
1	3	6	52	4	9	3	8	16
1	14	28	26	2	10	4	0.5	1
2	1	2	8	1	18	7	0.5	1
1	0.5	1	22	2	22	9	0.5	1
2	0.5	1	23	2	4	2	0.5	1
1	0.5	1	21	2	16	6	0.5	1
1	0.5	1	16	1	33	13	0.5	1
1	0.5	1	8	1	21	8	0.5	1
1	0.5	1	12	1	5	2	0.5	1
1	0.5	1	8	1	2	1	0.5	1
3	0.5	1	10	1	0.5	1	0.5	1
1	0.5	1	23	2	13	5	0.5	1
1	92	184	30	2	7	3	1	2
1	1	2	16	1	15	6	0.5	1
1	0.5	1	14	1	1	1	0.5	1
3	4	8	18	1	13	5	1	2
3	0.5	1	15	1	15	6	0.5	1
2	1	2	19	1	51	20	0.5	1
1	0.5	1	24	2	87	34	0.5	1
1	0.5	1	17	1	5	2	0.5	1
	0.5		18		5		0.5	
	0.5		12.70213		2.581395		0.5	

Sr MMI-M5 10 PPB	SrRR	Ta MMI-M5 1 PPB	TaRR	Tb MMI-M5 1 PPB	TbRR	Te MMI-M5 10 PPB	TeRR	Th MMI-M5 0.5 PPB
120	19	3	6	0.5	1	5	1	3.9
80	13	3	6	2	4	5	1	10
20	3	2	4	2	4	5	1	11.6
60	10	1	2	2	4	5	1	5.4
5	1	1	2	4	8	5	1	12.9
20	3	1	2	6	12	5	1	26.9
220	35	2	4	6	12	5	1	63.8
50	8	1	2	3	6	5	1	17.3
30	5	1	2	1	2	5	1	13.1
5	1	0.5	1	1	2	5	1	6.5
180	29	1	2	0.5	1	5	1	29.6
80	13	3	6	0.5	1	5	1	15.8
340	54	0.5	1	2	4	5	1	11.2
190	30	0.5	1	2	4	5	1	11.3
630	100	0.5	1	1	2	5	1	21.6
480	76	1	2	4	8	5	1	30.4
120	19	1	2	8	16	5	1	89.1
1050	167	0.5	1	4	8	5	1	12.9
1080	171	0.5	1	15	30	5	1	20.3
570	90	0.5	1	12	24	5	1	42.3
430	68	0.5	1	4	8	5	1	22.8
440	70	0.5	1	4	8	5	1	15
260	41	2	4	2	4	5	1	22.3
230	36	0.5	1	3	6	5	1	10.4
490	78	0.5	1	17	34	5	1	32.2
130	21	0.5	1	5	10	5	1	28.4
60	10	0.5	1	2	4	5	1	14.9
270	43	0.5	1	3	6	5	1	28.7
80	13	1	2	2	4	5	1	18.9
170	27	0.5	1	0.5	1	5	1	5.2
420	67	0.5	1	1	2	5	1	20.4
80	13	0.5	1	2	4	5	1	13.1
100	16	0.5	1	3	6	5	1	23.4
260	41	2	4	2	4	5	1	26.2
180	29	0.5	1	0.5	1	5	1	11.4
670	106	0.5	1	6	12	5	1	31.5
360	57	2	4	3	6	5	1	27.5
130	21	0.5	1	2	4	5	1	5.3
110	17	1	2	1	2	5	1	16.3
120	19	0.5	1	2	4	5	1	10.1
10	2	0.5	1	2	4	5	1	7.2
30	5	0.5	1	3	6	5	1	5.4
20	3	0.5	1	3	6	5	1	9.8
240	38	0.5	1	2	4	5	1	12
150	24	2	4	2	4	5	1	29.6
5	1	2	4	3	6	5	1	15.7
120	19	0.5	1	2	4	5	1	7.3
70	11	0.5	1	0.5	1	5	1	7.5

40	6	0.5	1	0.5	1	5	1	6.6
5	1	2	4	3	6	5	1	31.7
40	6	0.5	1	0.5	1	5	1	5.1
20	3	1	2	2	4	5	1	15.5
20	3	0.5	1	2	4	5	1	12.8
40	6	0.5	1	1	2	5	1	5.1
60	10	1	2	1	2	5	1	10.3
30	5	0.5	1	0.5	1	5	1	10
50	8	0.5	1	0.5	1	5	1	12
180	29	0.5	1	0.5	1	5	1	10.1
370	59	2	4	0.5	1	5	1	13.6
300	48	3	6	1	2	5	1	19.4
120	19	2	4	1	2	5	1	10.9
270	43	2	4	2	4	5	1	10.9
50	8	0.5	1	2	4	5	1	8.2
170	27	0.5	1	2	4	5	1	11
180	29	0.5	1	3	6	5	1	13.3
120	19	0.5	1	3	6	5	1	9.7
310	49	0.5	1	2	4	5	1	6.8
30	5	0.5	1	2	4	5	1	7.3
20	3	0.5	1	2	4	5	1	5.6
80	13	0.5	1	0.5	1	5	1	4.6
20	3	0.5	1	1	2	5	1	6.3
40	6	0.5	1	2	4	5	1	12.4
50	8	0.5	1	1	2	5	1	9.5
160	25	0.5	1	2	4	5	1	15.9
5	1	0.5	1	2	4	5	1	3.1
10	2	0.5	1	3	6	5	1	4
5	1	0.5	1	2	4	5	1	3
240	38	0.5	1	3	6	5	1	11.2
800	127	0.5	1	2	4	5	1	46.5
60	10	0.5	1	3	6	5	1	9.3
290	46	0.5	1	1	2	5	1	5.5
30	5	0.5	1	0.5	1	5	1	7
5	1	0.5	1	4	8	5	1	14.6
40	6	0.5	1	2	4	5	1	25.2
10	2	1	2	3	6	5	1	44
10	2	0.5	1	1	2	5	1	12
5	1	1	2	6	12	5	1	14.5
90	14	0.5	1	0.5	1	5	1	4.2
5	1	0.5	1	2	4	5	1	8.6
390	62	0.5	1	0.5	1	5	1	5.6
50	8	2	4	1	2	5	1	11.7
5	1	0.5	1	2	4	5	1	5.6
60	10	1	2	2	4	5	1	10.4
5	1	0.5	1	2	4	5	1	10.8
170	27	0.5	1	2	4	5	1	9.8
140	22	0.5	1	2	4	5	1	4.4
90	14	0.5	1	1	2	5	1	5
110	17	0.5	1	2	4	5	1	4.6
30	5	0.5	1	1	2	5	1	5.9
30	5	0.5	1	4	8	5	1	9

50	8	0.5	1	0.5	1	5	1	4.7
10	2	0.5	1	2	4	5	1	4.8
90	14	0.5	1	3	6	5	1	13.5
220	35	0.5	1	5	10	5	1	11
30	5	0.5	1	1	2	5	1	3.3
60	10	0.5	1	0.5	1	5	1	3.5
10	2	0.5	1	2	4	5	1	12.6
20	3	0.5	1	0.5	1	5	1	10.9
150	24	0.5	1	2	4	5	1	8.6
150	24	0.5	1	2	4	5	1	19
10	2	0.5	1	0.5	1	5	1	6.4
310	49	0.5	1	6	12	5	1	49.7
150	24	0.5	1	3	6	5	1	36.7
30	5	2	4	3	6	5	1	20.5
5	1	0.5	1	2	4	5	1	11.1
5	1	0.5	1	3	6	5	1	5.3
30	5	0.5	1	2	4	5	1	10.8
10	2	0.5	1	2	4	5	1	6.3
40	6	0.5	1	0.5	1	5	1	9.9
5	1	0.5	1	0.5	1	5	1	9.8
40	6	0.5	1	0.5	1	5	1	5.9
5	1	0.5	1	3	6	5	1	10.8
160	25	0.5	1	0.5	1	5	1	2.6
70	11	0.5	1	2	4	5	1	7.7
90	14	0.5	1	2	4	5	1	6.6
150	24	0.5	1	1	2	5	1	5.9
5	1	0.5	1	2	4	5	1	7.9
40	6	1	2	1	2	5	1	16.5
5	1	0.5	1	2	4	5	1	10.4
5	1	0.5	1	2	4	5	1	7.2
80	13	0.5	1	0.5	1	5	1	4.3
5	1	0.5	1	3	6	5	1	7.2
80	13	0.5	1	3	6	5	1	15.2
180	29	0.5	1	0.5	1	5	1	8.1
5	1	0.5	1	6	12	5	1	11
70	11	0.5	1	0.5	1	5	1	22.2
80	13	0.5	1	0.5	1	5	1	14.8
220	35	0.5	1	0.5	1	5	1	11.1
240	38	0.5	1	3	6	5	1	11.5
5	1	0.5	1	3	6	5	1	9
330	52	0.5	1	2	4	5	1	15.4
20	3	0.5	1	0.5	1	5	1	4.9
5	1	0.5	1	0.5	1	5	1	3.7
5	1	0.5	1	0.5	1	5	1	7.1
5	1	0.5	1	0.5	1	5	1	6.3
40	6	0.5	1	2	4	5	1	9.9
90	14	0.5	1	2	4	5	1	21.6
200	32	0.5	1	0.5	1	5	1	11.9
5	1	0.5	1	0.5	1	5	1	9.6
30	5	0.5	1	0.5	1	5	1	13
180	29	0.5	1	0.5	1	5	1	5.1
50	8	0.5	1	0.5	1	5	1	10.1

180	29	0.5	1	3	6	5	1	17.3
80	13	0.5	1	7	14	5	1	25.2
5	1	0.5	1	3	6	5	1	24.8
90	14	0.5	1	3	6	5	1	9.4
260	41	3	6	1	2	5	1	11.5
210	33	1	2	0.5	1	5	1	9
40	6	1	2	1	2	5	1	11.7
5	1	0.5	1	7	14	5	1	3.2
5	1	0.5	1	0.5	1	5	1	11.8
5	1	0.5	1	0.5	1	5	1	9
200	32	0.5	1	0.5	1	5	1	9
280	44	0.5	1	6	12	5	1	24.5
760	121	0.5	1	11	22	5	1	40
90	14	0.5	1	3	6	5	1	9.3
10	2	0.5	1	4	8	5	1	16.7
5	1	0.5	1	1	2	5	1	8.7
50	8	0.5	1	2	4	5	1	4.3
80	13	0.5	1	8	16	5	1	28.8
190	30	0.5	1	2	4	5	1	5.3
20	3	0.5	1	0.5	1	5	1	10.3
120	19	2	4	1	2	5	1	12.8
5	1	0.5	1	2	4	5	1	11.4
460	73	0.5	1	3	6	5	1	8.4
5	1	0.5	1	3	6	5	1	5.1
60	10	0.5	1	0.5	1	5	1	8.3
210	33	0.5	1	3	6	5	1	8.5
340	54	0.5	1	6	12	5	1	8.1
590	94	0.5	1	4	8	5	1	4.9
150	24	0.5	1	1	2	5	1	6
60	10	0.5	1	0.5	1	5	1	2.7
70	11	0.5	1	0.5	1	5	1	4.4
5	1	0.5	1	2	4	5	1	2.2
150	24	0.5	1	1	2	5	1	21.6
5	1	0.5	1	2	4	5	1	8.7
60	10	0.5	1	0.5	1	5	1	4.6
10	2	0.5	1	2	4	5	1	16.8
10	2	0.5	1	2	4	5	1	11
300	48	0.5	1	7	14	5	1	30.3
370	59	0.5	1	10	20	5	1	20.8
410	65	0.5	1	1	2	5	1	6.3
20		0.5		1		5		6.475
6.304348		0.5		0.5		5		4.77551

ThRR	Ti	TiRR	Tl	TlRR	U	URR	W	WRR
	MMI-M5		MMI-M5		MMI-M5		MMI-M5	
	3		0.5		1		1	
	PPB		PPB		PPB		PPB	
1	1120	6	0.6	2	3	1	5	10
2	1950	10	0.25	1	5	2	4	8
2	1000	5	0.25	1	8	3	3	6
1	327	2	0.25	1	4	2	2	4
3	277	1	0.25	1	5	2	2	4
6	937	5	0.25	1	9	4	2	4
13	3430	18	0.7	3	9	4	4	8
4	3030	16	0.25	1	5	2	2	4
3	2200	12	0.25	1	5	2	1	2
1	547	3	0.25	1	3	1	2	4
6	2300	12	0.25	1	6	2	3	6
3	12500	66	0.6	2	8	3	3	6
2	1510	8	0.25	1	9	4	1	2
2	1730	9	0.25	1	4	2	0.5	1
5	1760	9	0.5	2	9	4	2	4
6	2440	13	0.25	1	12	5	2	4
19	1780	9	0.25	1	22	9	2	4
3	1520	8	0.25	1	7	3	2	4
4	25	1	0.25	1	88	34	0.5	1
9	1300	7	0.25	1	39	15	1	2
5	73	1	0.25	1	231	90	2	4
3	196	1	0.25	1	42	16	2	4
5	6240	33	0.7	3	9	4	2	4
2	600	3	0.25	1	6	2	1	2
7	343	2	0.25	1	389	152	1	2
6	532	3	0.25	1	21	8	2	4
3	716	4	0.25	1	6	2	0.5	1
6	4010	21	0.6	2	12	5	2	4
4	4200	22	0.25	1	6	2	1	2
1	441	2	0.25	1	3	1	0.5	1
4	2080	11	0.25	1	5	2	0.5	1
3	1390	7	0.25	1	5	2	0.5	1
5	424	2	0.25	1	6	2	0.5	1
5	9600	50	0.25	1	7	3	2	4
2	2820	15	0.25	1	4	2	0.5	1
7	59	1	0.25	1	56	22	0.5	1
6	9120	48	0.25	1	7	3	1	2
1	299	2	0.25	1	4	2	0.5	1
3	3560	19	0.25	1	6	2	0.5	1
2	1000	5	0.25	1	4	2	0.5	1
2	318	2	0.25	1	4	2	0.5	1
1	372	2	0.25	1	4	2	0.5	1
2	306	2	0.25	1	4	2	0.5	1
3	3320	17	0.25	1	4	2	2	4
6	6600	35	0.25	1	7	3	1	2
3	1380	7	0.25	1	6	2	2	4
2	138	1	0.25	1	4	2	0.5	1
2	799	4	0.25	1	3	1	0.5	1

1	1990	10	0.25	1	2	1	0.5	1
7	5600	29	0.25	1	12	5	3	6
1	761	4	0.25	1	2	1	0.5	1
3	4030	21	0.25	1	8	3	1	2
3	2280	12	0.25	1	6	2	0.5	1
1	712	4	0.25	1	4	2	0.5	1
2	5310	28	0.25	1	6	2	1	2
2	683	4	0.25	1	4	2	1	2
3	3620	19	0.6	2	6	2	2	4
2	1140	6	0.25	1	3	1	0.5	1
3	4710	25	0.6	2	6	2	0.5	1
4	12600	66	0.25	1	6	2	8	16
2	9660	51	0.25	1	5	2	2	4
2	7070	37	0.25	1	4	2	1	2
2	555	3	0.25	1	4	2	0.5	1
2	899	5	0.25	1	4	2	0.5	1
3	1090	6	0.25	1	6	2	0.5	1
2	1650	9	0.25	1	6	2	0.5	1
1	825	4	0.25	1	5	2	0.5	1
2	275	1	0.25	1	4	2	0.5	1
1	316	2	0.25	1	4	2	0.5	1
1	760	4	0.25	1	3	1	0.5	1
1	315	2	0.25	1	3	1	0.5	1
3	2660	14	0.25	1	4	2	0.5	1
2	778	4	0.25	1	5	2	0.5	1
3	698	4	0.25	1	8	3	0.5	1
1	87	1	0.25	1	2	1	0.5	1
1	125	1	0.25	1	3	1	0.5	1
1	76	1	0.25	1	4	2	0.5	1
2	502	3	0.25	1	7	3	0.5	1
10	918	5	0.25	1	14	5	0.5	1
2	292	2	0.25	1	6	2	0.5	1
1	466	2	0.25	1	4	2	0.5	1
1	299	2	0.25	1	4	2	0.5	1
3	1020	5	0.25	1	5	2	0.5	1
5	1640	9	0.5	2	8	3	0.5	1
9	5370	28	0.5	2	10	4	2	4
3	1480	8	0.25	1	9	4	0.5	1
3	5840	31	0.25	1	6	2	1	2
1	3960	21	0.25	1	2	1	0.5	1
2	631	3	0.25	1	5	2	0.5	1
1	2680	14	0.25	1	3	1	0.5	1
2	2610	14	0.25	1	5	2	2	4
1	278	1	0.25	1	4	2	1	2
2	3050	16	0.25	1	4	2	0.5	1
2	636	3	0.25	1	4	2	2	4
2	511	3	0.25	1	4	2	1	2
1	273	1	0.25	1	2	1	1	2
1	520	3	0.25	1	3	1	0.5	1
1	141	1	0.25	1	4	2	0.5	1
1	314	2	0.25	1	4	2	0.5	1
2	778	4	0.25	1	3	1	4	8

1	229	1	0.25	1	3	1	0.5	1
1	98	1	0.25	1	3	1	0.5	1
3	505	3	0.25	1	6	2	0.5	1
2	381	2	0.25	1	6	2	0.5	1
1	189	1	0.25	1	2	1	1	2
1	1150	6	0.25	1	2	1	0.5	1
3	248	1	0.25	1	7	3	0.5	1
2	443	2	0.25	1	7	3	0.5	1
2	2990	16	0.25	1	5	2	0.5	1
4	1560	8	0.25	1	9	4	0.5	1
1	796	4	0.25	1	2	1	1	2
10	1910	10	0.25	1	11	4	1	2
8	3360	18	0.25	1	10	4	1	2
4	641	3	0.25	1	9	4	2	4
2	323	2	0.25	1	5	2	1	2
1	209	1	0.25	1	4	2	0.5	1
2	765	4	0.25	1	4	2	0.5	1
1	285	1	0.25	1	5	2	0.5	1
2	470	2	0.25	1	7	3	0.5	1
2	193	1	0.25	1	7	3	0.5	1
1	724	4	0.25	1	3	1	3	6
2	3600	19	0.25	1	5	2	0.5	1
1	753	4	0.25	1	2	1	0.5	1
2	521	3	0.25	1	4	2	0.5	1
1	328	2	0.25	1	3	1	0.5	1
1	410	2	0.25	1	2	1	0.5	1
2	151	1	0.25	1	4	2	0.5	1
3	6060	32	0.25	1	5	2	1	2
2	545	3	0.25	1	4	2	0.5	1
2	380	2	0.25	1	3	1	0.5	1
1	1550	8	0.25	1	2	1	0.5	1
2	92	1	0.25	1	3	1	0.5	1
3	896	5	0.25	1	12	5	0.5	1
2	1250	7	0.25	1	7	3	0.5	1
2	1040	5	0.25	1	14	5	0.5	1
5	521	3	0.25	1	16	6	4	8
3	503	3	0.25	1	30	12	1	2
2	820	4	0.25	1	5	2	0.5	1
2	395	2	0.25	1	6	2	0.5	1
2	353	2	0.25	1	4	2	0.5	1
3	2280	12	0.25	1	4	2	0.5	1
1	139	1	0.25	1	3	1	0.5	1
1	359	2	0.25	1	4	2	0.5	1
1	329	2	0.25	1	4	2	0.5	1
1	560	3	0.25	1	3	1	0.5	1
2	2400	13	0.25	1	4	2	0.5	1
5	581	3	0.6	2	15	6	0.5	1
2	1920	10	0.25	1	5	2	0.5	1
2	443	2	0.25	1	7	3	0.5	1
3	4070	21	0.25	1	9	4	2	4
1	419	2	0.25	1	3	1	0.5	1
2	2210	12	0.25	1	13	5	0.5	1

4	2200	12	0.25	1	11	4	0.5	1
5	866	5	0.25	1	10	4	0.5	1
5	895	5	0.25	1	7	3	0.5	1
2	264	1	0.25	1	12	5	0.5	1
2	15200	80	0.25	1	5	2	2	4
2	592	3	0.25	1	8	3	2	4
2	961	5	0.25	1	8	3	1	2
1	69	1	0.25	1	9	4	0.5	1
2	278	1	0.25	1	20	8	0.5	1
2	184	1	0.25	1	14	5	0.5	1
2	1400	7	0.25	1	5	2	0.5	1
5	1860	10	0.25	1	13	5	0.5	1
8	432	2	0.25	1	12	5	0.5	1
2	185	1	0.25	1	5	2	0.5	1
3	652	3	0.25	1	16	6	1	2
2	176	1	0.25	1	5	2	0.5	1
1	202	1	0.25	1	3	1	0.5	1
6	1230	6	0.25	1	12	5	0.5	1
1	458	2	0.25	1	2	1	0.5	1
2	914	5	0.25	1	7	3	0.5	1
3	9480	50	0.25	1	8	3	3	6
2	1240	7	0.25	1	7	3	0.5	1
2	142	1	0.25	1	8	3	0.5	1
1	75	1	0.25	1	5	2	0.5	1
2	1430	8	0.25	1	4	2	0.5	1
2	229	1	0.25	1	10	4	0.5	1
2	62	1	0.25	1	31	12	0.5	1
1	195	1	0.25	1	6	2	0.5	1
1	78	1	0.25	1	8	3	0.5	1
1	365	2	0.25	1	1	1	0.5	1
1	237	1	0.25	1	3	1	0.5	1
1	17	1	0.25	1	4	2	0.5	1
5	2560	13	0.25	1	6	2	1	2
2	274	1	0.25	1	4	2	0.5	1
1	529	3	0.25	1	2	1	0.5	1
4	3180	17	0.5	2	12	5	0.5	1
2	266	1	0.25	1	4	2	0.5	1
6	724	4	0.25	1	8	3	0.5	1
4	140	1	0.25	1	7	3	0.5	1
1	802	4	0.25	1	2	1	0.5	1
	315.75		0.25		4		0.5	
	190.6531		0.25		2.552632		0.5	

Y	YRR	Yb	YbRR	Zn	ZnRR	Zr	ZrRR	TREE
MMI-M5		MMI-M5		MMI-M5		MMI-M5		
5		1		20		5		
PPB		PPB		PPB		PPB		
9	1	2	1	10	1	13	1	11
52	3	6	4	50	2	30	2	28
90	6	9	6	60	2	29	2	46
87	5	7	5	30	1	16	1	43
129	8	10	7	10	1	28	2	80
176	11	14	9	50	2	39	3	115
159	10	14	9	100	3	78	6	156
70	4	5	3	50	2	34	3	59
39	2	4	3	40	1	27	2	23
57	4	6	4	80	3	21	2	26
21	1	2	1	1320	45	113	9	17
22	1	2	1	170	6	79	6	20
50	3	5	3	190	7	39	3	38
63	4	5	3	140	5	26	2	39
39	2	3	2	270	9	31	2	28
87	5	6	4	100	3	46	4	115
197	12	19	13	310	11	79	6	185
143	9	12	8	1160	40	15	1	93
478	29	30	20	60	2	25	2	324
265	16	20	13	90	3	34	3	341
116	7	8	5	600	21	31	2	103
107	7	7	5	930	32	24	2	114
50	3	4	3	290	10	59	5	45
113	7	9	6	1260	43	16	1	45
687	42	58	39	80	3	109	8	330
185	11	17	11	90	3	174	13	112
61	4	5	3	350	12	27	2	45
74	5	8	5	140	5	54	4	85
37	2	4	3	310	11	65	5	40
24	1	3	2	280	10	16	1	16
33	2	3	2	6360	218	36	3	28
76	5	8	5	5550	190	34	3	47
87	5	6	4	4050	139	41	3	67
47	3	4	3	3430	118	71	5	59
10	1	2	1	460	16	28	2	13
149	9	11	7	500	17	49	4	142
53	3	4	3	400	14	154	12	76
65	4	5	3	500	17	15	1	38
35	2	4	3	1830	63	53	4	29
50	3	4	3	6120	210	30	2	29
56	3	6	4	1430	49	22	2	29
107	7	9	6	2500	86	17	1	55
90	6	7	5	2660	91	24	2	58
58	4	5	3	1320	45	28	2	37
56	3	5	3	950	33	69	5	38
66	4	5	3	70	2	41	3	59
83	5	6	4	100	3	17	1	41
10	1	1	1	20	1	22	2	12

9	1	1	1	50	2	27	2	11
53	3	4	3	140	5	106	8	58
2.5	1	0.5	1	10	1	19	1	11
47	3	6	4	300	10	47	4	43
63	4	6	4	50	2	40	3	43
58	4	5	3	50	2	16	1	25
25	2	3	2	140	5	48	4	22
7	1	1	1	80	3	41	3	11
22	1	3	2	80	3	28	2	23
22	1	3	2	70	2	20	2	15
18	1	2	1	120	4	49	4	24
36	2	4	3	1950	67	81	6	30
30	2	4	3	1670	57	56	4	24
37	2	3	2	1710	59	53	4	32
66	4	5	3	400	14	19	1	35
67	4	6	4	1800	62	21	2	40
82	5	7	5	1600	55	35	3	55
106	7	9	6	130	4	28	2	60
59	4	5	3	100	3	21	2	30
70	4	6	4	60	2	20	2	42
56	3	6	4	110	4	15	1	30
29	2	3	2	100	3	16	1	15
43	3	5	3	300	10	16	1	24
51	3	4	3	1180	40	42	3	39
40	2	5	3	3110	107	26	2	23
55	3	3	2	740	25	29	2	46
81	5	7	5	1800	62	12	1	32
114	7	7	5	70	2	13	1	52
73	5	7	5	240	8	11	1	32
82	5	6	4	80	3	25	2	45
65	4	8	5	60	2	20	2	64
84	5	6	4	130	4	22	2	47
55	3	5	3	170	6	15	1	24
30	2	4	3	140	5	17	1	19
108	7	10	7	100	3	31	2	76
54	3	6	4	20	1	35	3	56
70	4	6	4	40	1	77	6	82
51	3	4	3	20	1	24	2	32
144	9	11	7	30	1	49	4	156
11	1	2	1	70	2	25	2	11
64	4	6	4	30	1	22	2	38
24	1	3	2	2340	80	29	2	13
45	3	5	3	1200	41	46	4	22
100	6	8	5	740	25	15	1	44
48	3	4	3	300	10	41	3	39
70	4	7	5	280	10	27	2	48
42	3	4	3	170	6	23	2	29
60	4	5	3	890	31	12	1	32
34	2	4	3	10	1	15	1	19
68	4	6	4	30	1	10	1	28
50	3	5	3	120	4	16	1	29
135	8	9	6	40	1	17	1	74

31	2	4	3	290	10	13	1	15
55	3	4	3	40	1	7	1	28
78	5	5	3	440	15	24	2	54
160	10	10	7	690	24	20	2	101
58	4	6	4	390	13	11	1	21
5	1	0.5	1	350	12	17	1	11
55	3	5	3	980	34	35	3	30
21	1	2	1	10	1	36	3	19
47	3	4	3	50	2	34	3	32
47	3	4	3	70	2	41	3	74
21	1	3	2	140	5	18	1	15
117	7	9	6	410	14	54	4	155
96	6	10	7	110	4	47	4	86
54	3	5	3	120	4	41	3	56
65	4	6	4	160	5	19	1	38
117	7	9	6	10	1	14	1	54
48	3	5	3	70	2	23	2	32
67	4	7	5	80	3	15	1	33
11	1	1	1	90	3	32	2	13
11	1	1	1	110	4	29	2	11
11	1	1	1	690	24	45	3	12
70	4	5	3	190	7	58	4	66
24	1	3	2	390	13	10	1	13
57	4	4	3	70	2	26	2	40
67	4	4	3	170	6	16	1	38
33	2	3	2	60	2	12	1	22
62	4	5	3	20	1	16	1	34
35	2	4	3	160	5	54	4	29
59	4	5	3	90	3	24	2	47
69	4	5	3	110	4	15	1	47
21	1	2	1	70	2	17	1	11
75	5	6	4	90	3	15	1	49
52	3	5	3	530	18	39	3	46
25	2	3	2	90	3	21	2	20
152	9	12	8	420	14	32	2	95
15	1	1	1	540	19	40	3	16
2.5	1	0.5	1	70	2	15	1	11
18	1	2	1	60	2	19	1	28
79	5	6	4	70	2	23	2	50
103	6	8	5	30	1	16	1	60
46	3	4	3	80	3	34	3	44
26	2	4	3	70	2	10	1	15
25	2	4	3	230	8	8	1	14
6	1	0.5	1	40	1	19	1	11
16	1	2	1	10	1	20	2	15
97	6	9	6	190	7	26	2	44
55	3	7	5	30	1	21	2	49
10	1	2	1	480	16	24	2	11
17	1	2	1	100	3	24	2	18
13	1	1	1	330	11	35	3	12
2.5	1	0.5	1	150	5	17	1	11
26	2	3	2	290	10	32	2	14

64	4	4	3	340	12	60	5	60
180	11	13	9	340	12	32	2	136
61	4	8	5	340	12	48	4	66
56	3	4	3	20	1	87	7	48
31	2	3	2	460	16	77	6	28
14	1	2	1	70	2	33	3	11
19	1	2	1	60	2	52	4	21
190	12	17	11	180	6	7	1	123
22	1	2	1	40	1	23	2	19
17	1	2	1	50	2	28	2	12
25	2	3	2	650	22	26	2	18
218	13	15	10	80	3	28	2	88
288	18	17	11	30	1	23	2	216
72	4	5	3	20	1	18	1	59
71	4	6	4	30	1	47	4	73
32	2	3	2	60	2	17	1	22
42	3	3	2	10	1	10	1	29
149	9	10	7	10	1	42	3	201
62	4	4	3	40	1	11	1	39
16	1	2	1	100	3	34	3	16
36	2	3	2	500	17	68	5	30
42	3	4	3	220	8	33	3	36
60	4	4	3	470	16	14	1	57
88	5	6	4	70	2	9	1	73
25	2	2	1	420	14	40	3	16
69	4	5	3	30	1	22	2	51
132	8	7	5	30	1	54	4	101
86	5	5	3	130	4	14	1	68
35	2	3	2	10	1	21	2	18
16	1	1	1	520	18	11	1	11
6	1	2	1	260	9	13	1	11
74	5	5	3	50	2	2.5	1	41
27	2	2	1	1370	47	39	3	26
53	3	4	3	70	2	18	1	46
13	1	3	2	190	7	10	1	12
38	2	3	2	70	2	46	4	46
59	4	4	3	30	1	21	2	46
130	8	10	7	40	1	35	3	169
176	11	11	7	20	1	20	2	243
46	3	3	2	20	1	13	1	20
28.75		3		60		17		
16.20408		1.485714		29.14894		12.94681		

CaMgSr

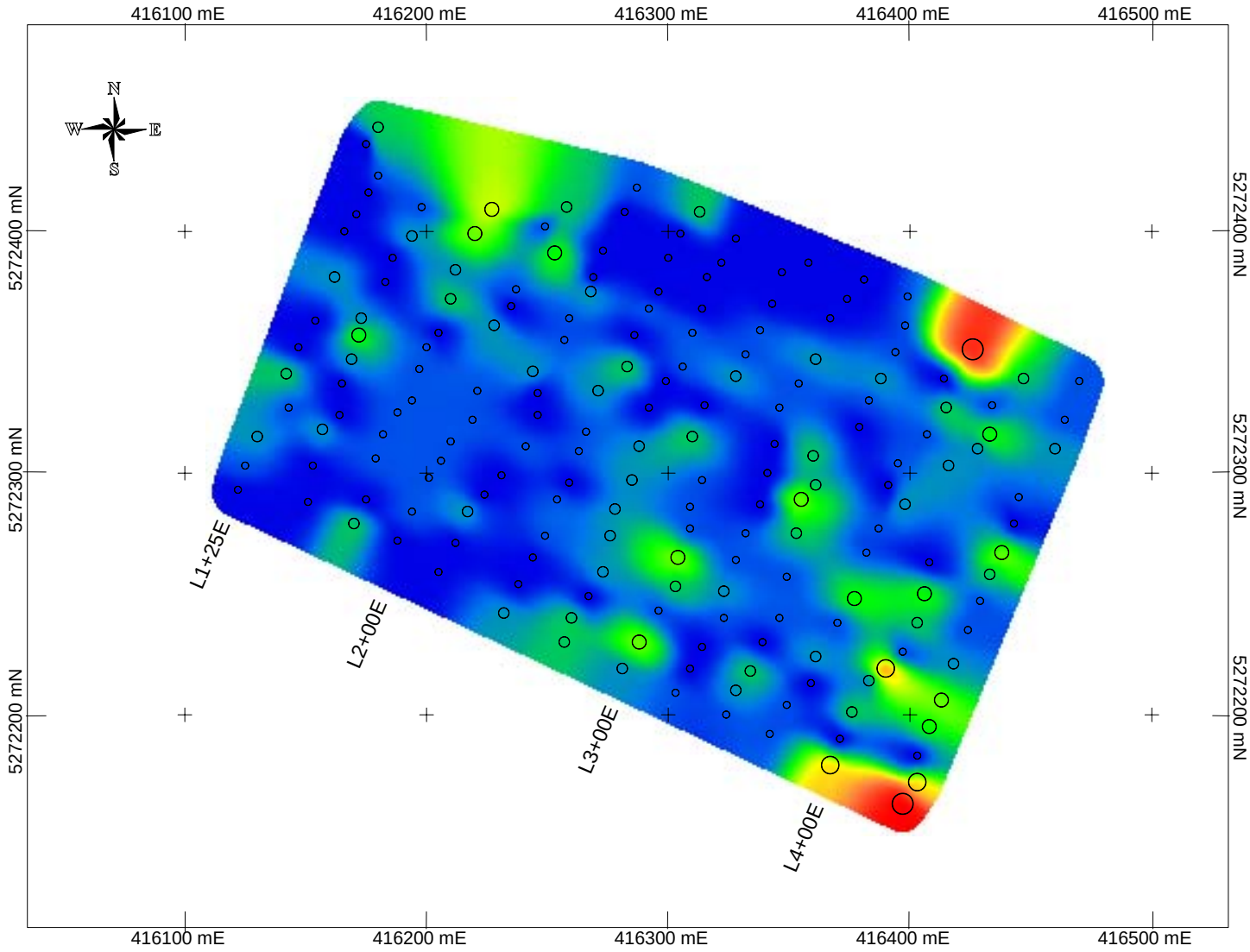
25
16
5
12
3
5
43
10
7
3
35
20
106
38
156
124
24
297
287
160
190
178
73
58
112
39
12
67
16
35
91
15
19
55
37
268
77
24
22
22
4
7
5
52
36
3
21
14

8
4
9
5
5
8
12
7
13
41
73
68
28
61
10
32
37
25
61
7
5
15
5
10
11
37
3
4
3
46
259
15
51
7
3
8
4
4
3
23
3
76
11
3
15
3
35
28
16
20
7
8

10
4
19
47
7
12
4
5
32
29
4
75
36
7
3
3
7
4
8
3
11
3
30
13
16
26
3
8
3
3
15
3
15
38
3
13
15
42
43
3
72
5
3
3
3
11
17
39
3
7
34
10

41
15
3
16
55
48
8
3
3
3
41
70
203
20
4
3
10
19
38
5
28
3
131
3
15
51
112
190
29
17
18
3
40
3
15
4
4
80
101
85

NAMEX HUFFMAN 2006 MMI-M SURVEY
ZrRR



ZrRR

13.00
10.00
7.50
5.00
2.50
1.00

Z-units:

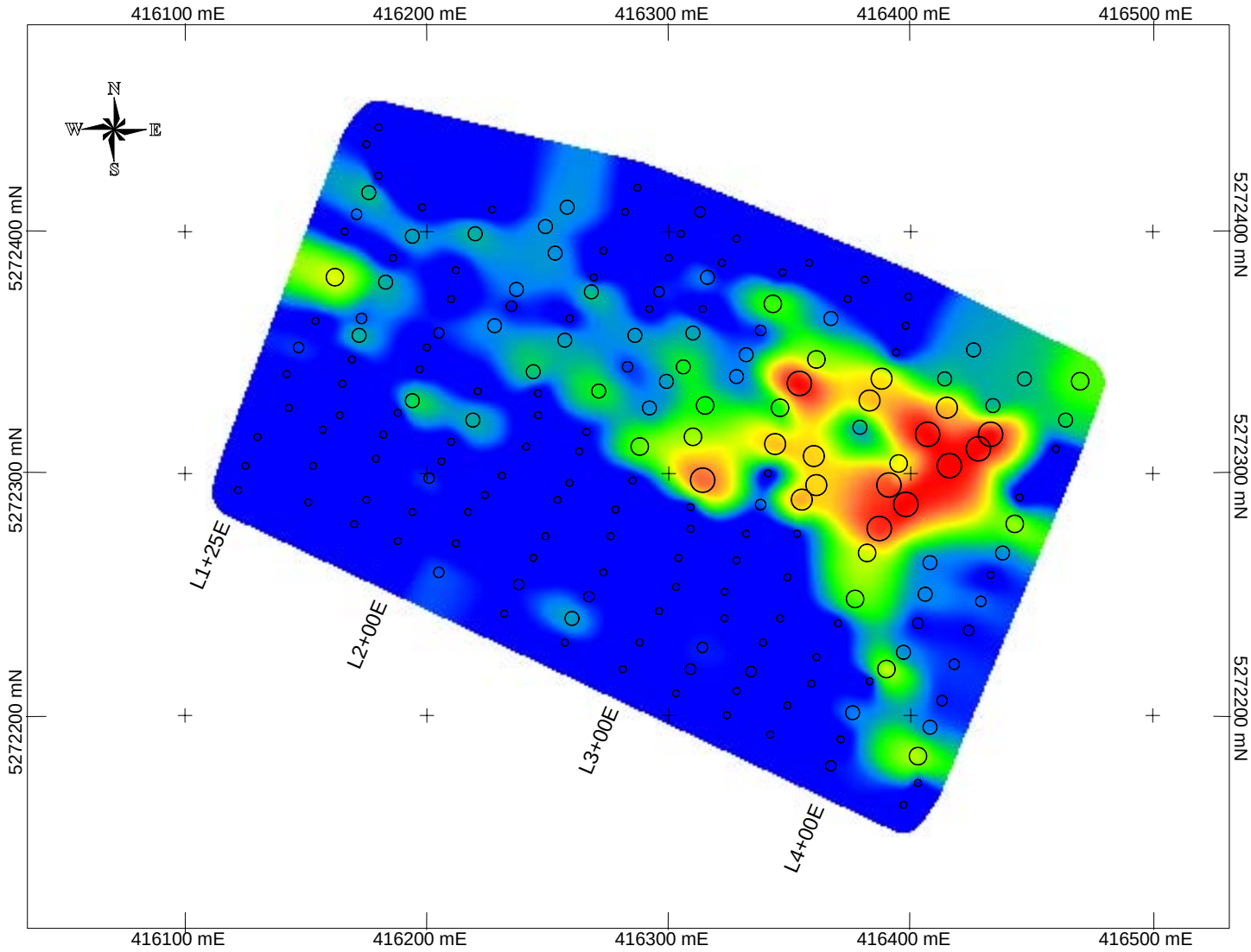
10 to 13
7.5 to 10
5 to 7.5
2.5 to 5
1 to 2.5

0 50 100 150
Meters

Plot Projection:
NAD83, Zone 17
Samples (n=192)

Geochem plots by:
Mount Morgan Resources Ltd.,
Winnipeg, Manitoba

NAMEX HUFFMAN 2006 MMI-M SURVEY
ZnRR </= 100RR



ZnRR

100.00
75.00
50.00
25.00
10.00
5.00
1.00

Z-units:

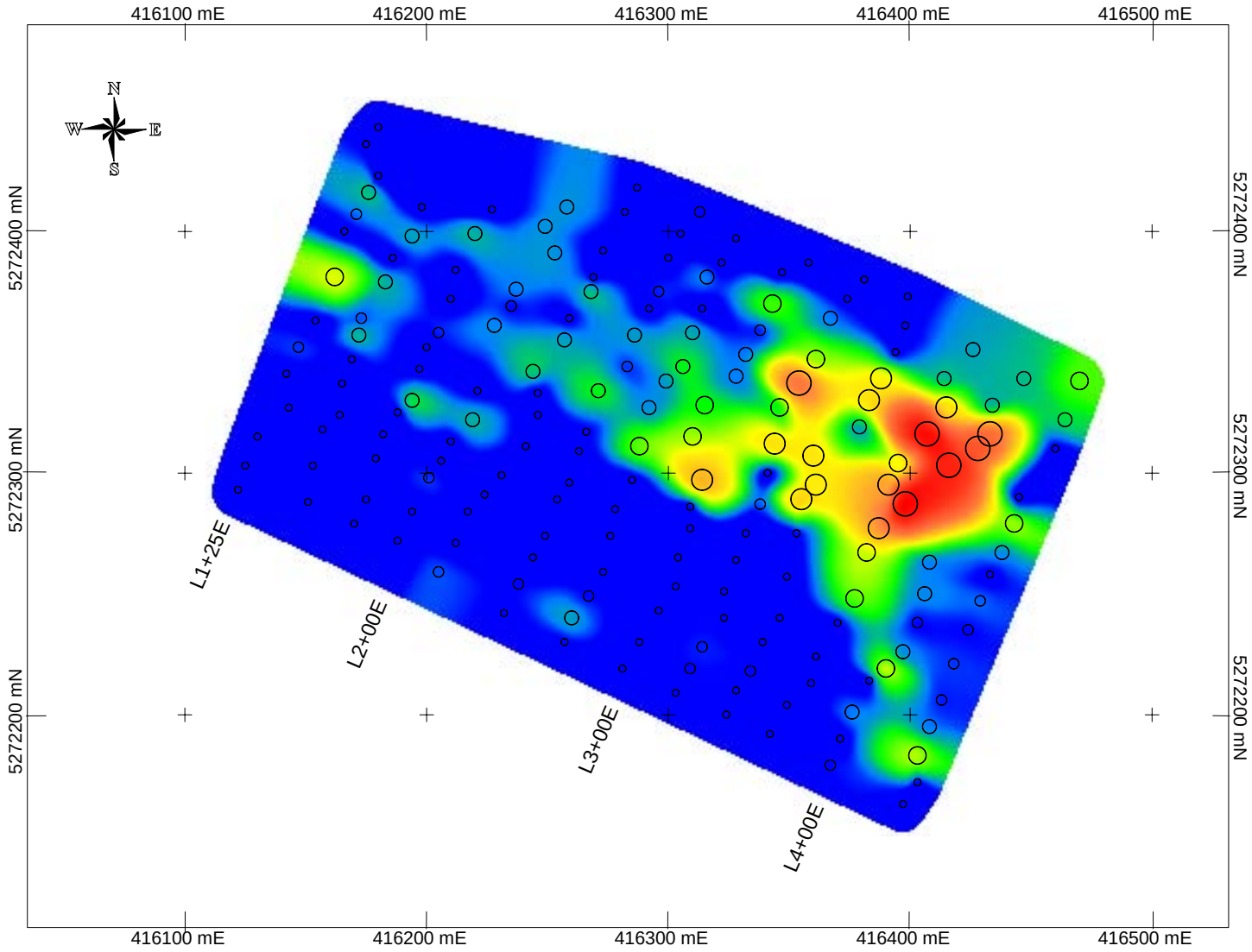
75 to 100
50 to 75
25 to 50
10 to 25
5 to 10
1 to 5

0 50 100 150
Meters

Plot Projection:
NAD83, Zone 17
Samples (n=192)

Geochem plots by:
Mount Morgan Resources Ltd.,
Winnipeg, Manitoba

NAMEX HUFFMAN 2006 MMI-M SURVEY
ZnRR



ZnRR

218.00

100.00

50.00

25.00

10.00

5.00

1.00

Z-units:

100 to 218

50 to 100

25 to 50

10 to 25

5 to 10

1 to 5

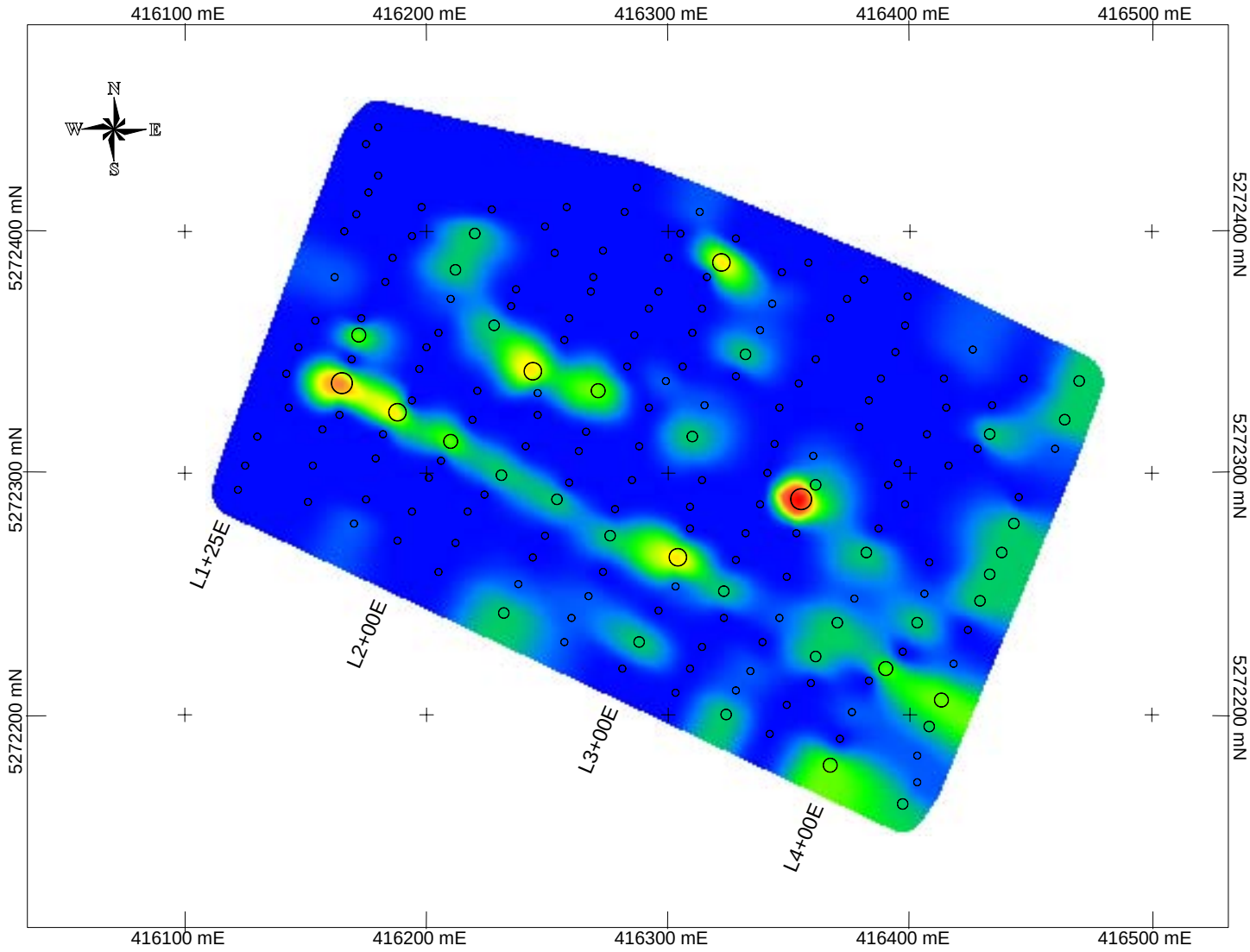
0 50 100 150

Meters

Plot Projection:
NAD83, Zone 17
Samples (n=192)

Geochem plots by:
Mount Morgan Resources Ltd.,
Winnipeg, Manitoba

NAMEX HUFFMAN 2006 MMI-M SURVEY
WRR



WRR

16.00
10.00
7.50
5.00
2.50
1.00

Z-units:

- 10 to 16
- 7.5 to 10
- 5 to 7.5
- 2.5 to 5
- 1 to 2.5

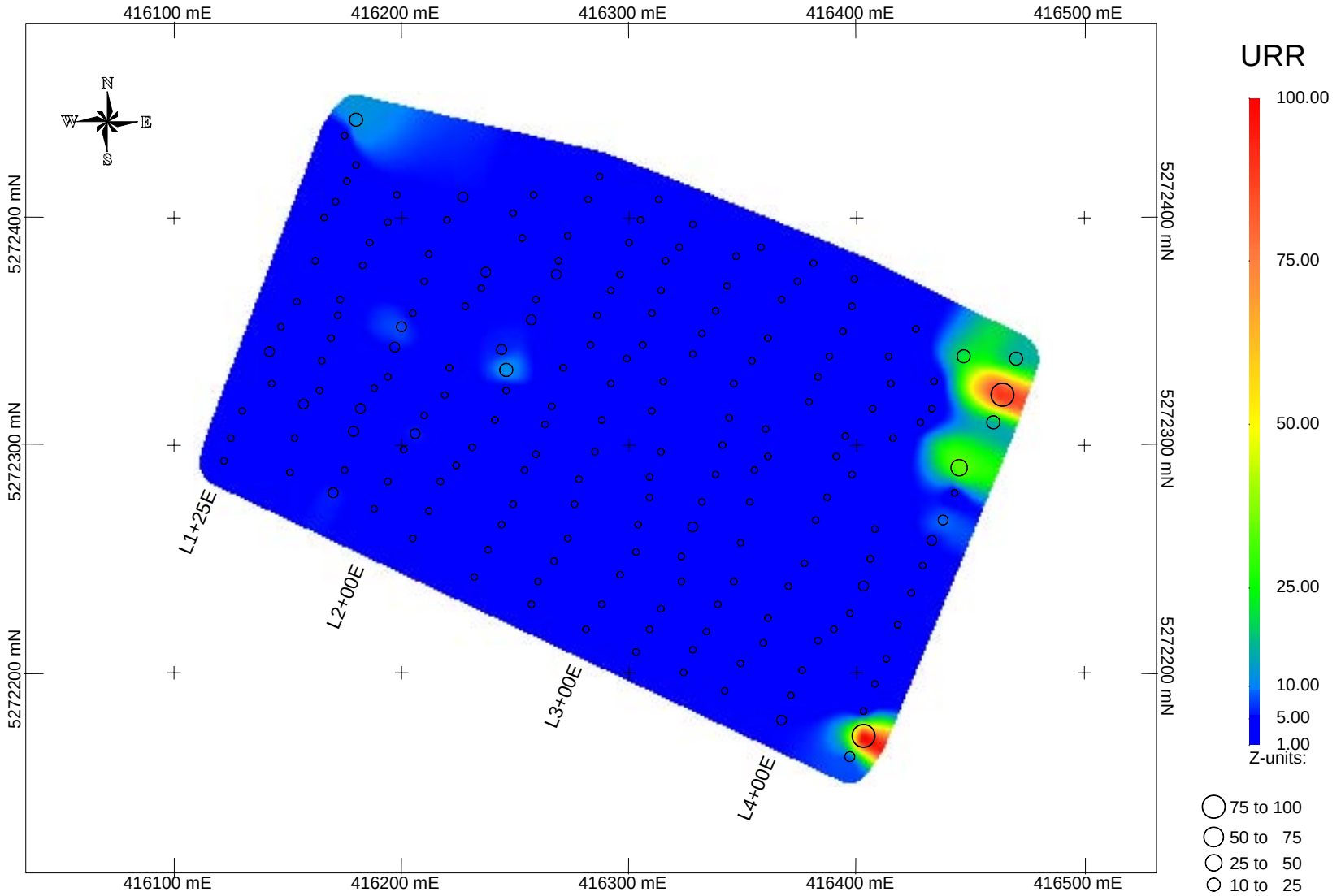
0 50 100 150

Meters

Plot Projection:
NAD83, Zone 17
Samples (n=192)

Geochem plots by:
Mount Morgan Resources Ltd.,
Winnipeg, Manitoba

NAMEX HUFFMAN 2006 MMI-M SURVEY
URR </= 100RR



URR

100.00
75.00
50.00
25.00
10.00
5.00
1.00

Z-units:

75 to 100
50 to 75
25 to 50
10 to 25
5 to 10
1 to 5

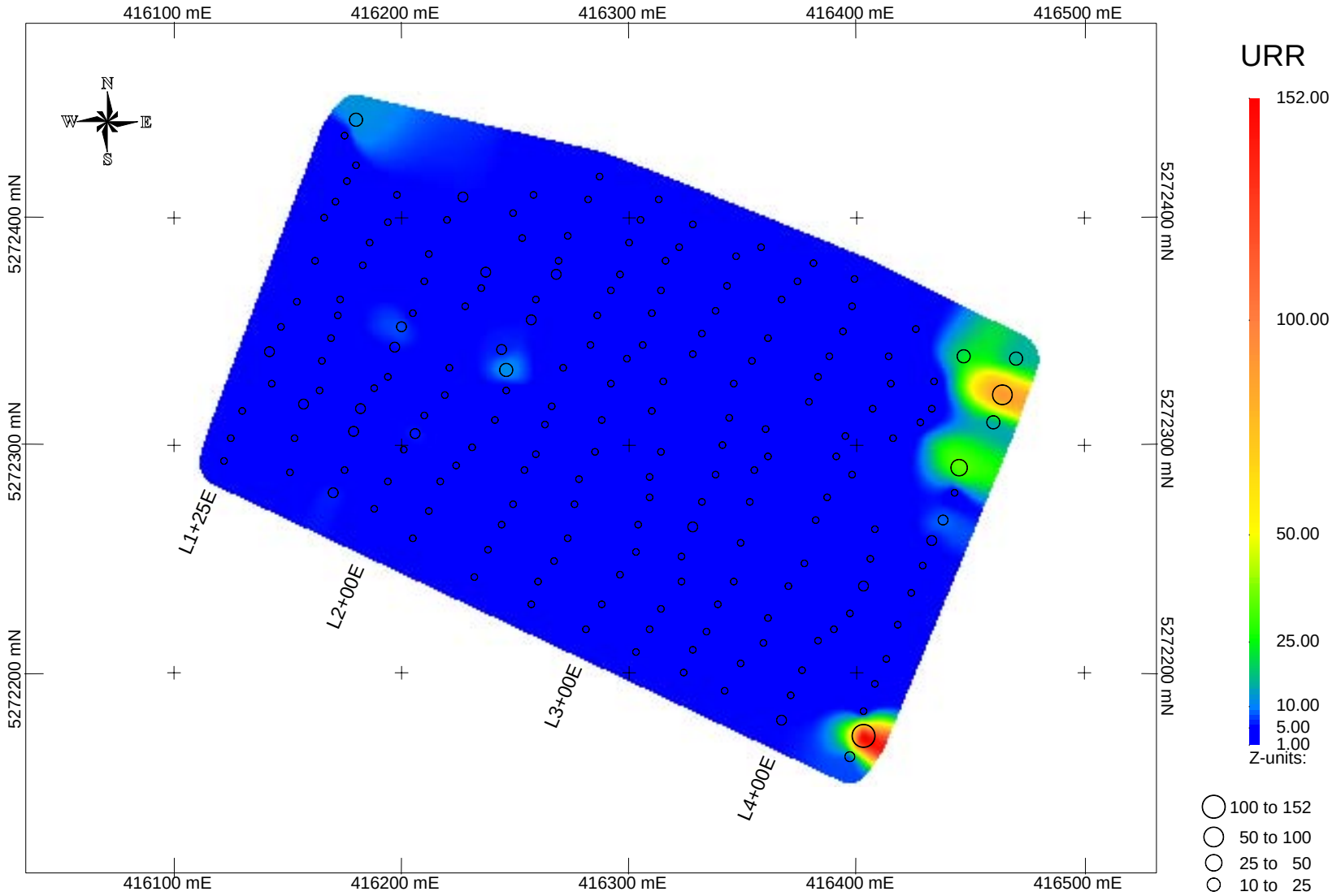
0 50 100 150

Meters

Plot Projection:
NAD83, Zone 17
Samples (n=192)

Geochem plots by:
Mount Morgan Resources Ltd.,
Winnipeg, Manitoba

NAMEX HUFFMAN 2006 MMI-M SURVEY
URR



URR

152.00
100.00
50.00
25.00
10.00
5.00
1.00

Z-units:

100 to 152
50 to 100
25 to 50
10 to 25
5 to 10
1 to 5

0 50 100 150

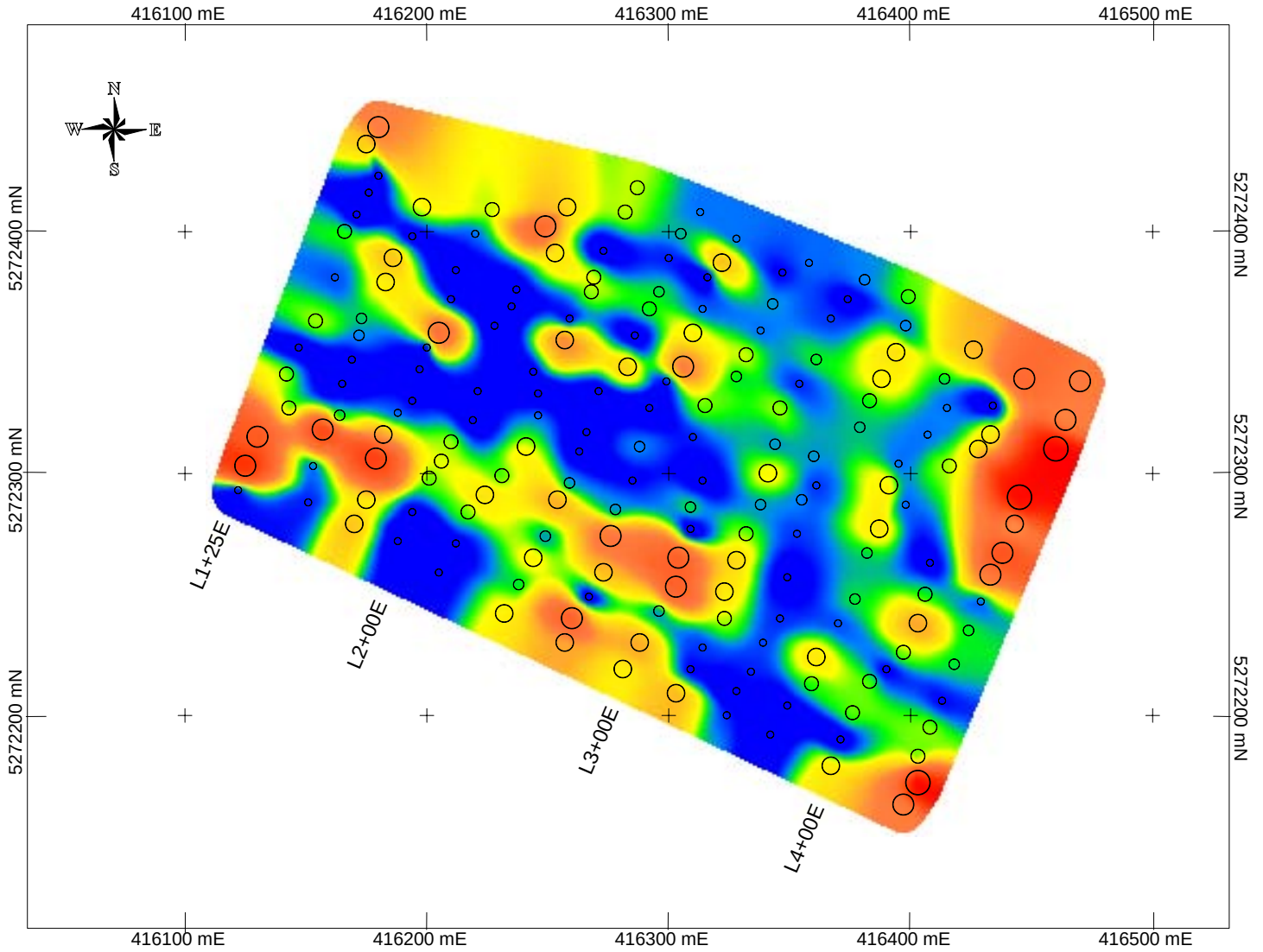
Meters

Plot Projection:
NAD83, Zone 17
Samples (n=192)

Geochem plots by:
Mount Morgan Resources Ltd.,
Winnipeg, Manitoba

NAMEX HUFFMAN 2006 MMI-M SURVEY

∑reeRR



∑reeRR

341.00
250.00
100.00
50.00
40.00
30.00
20.00
10.00

Z-units:

250 to 341
100 to 250
50 to 100
40 to 50
30 to 40
20 to 30
10 to 20

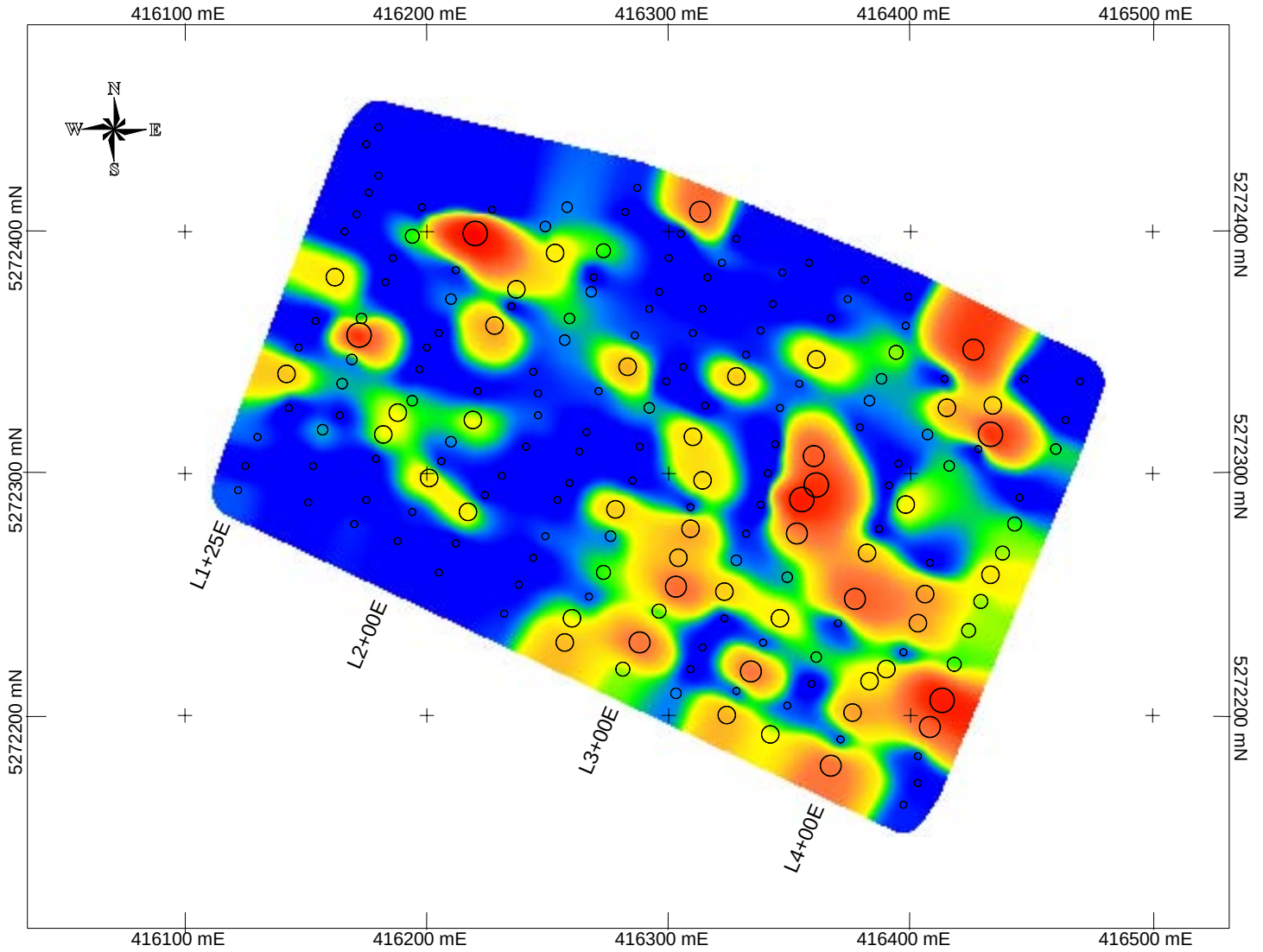
0 50 100 150

Meters

Plot Projection:
NAD83, Zone 17
Samples (n=192)

Geochem plots by:
Mount Morgan Resources Ltd.,
Winnipeg, Manitoba

NAMEX HUFFMAN 2006 MMI-M SURVEY
TiRR



TiRR

80.00
50.00
25.00
10.00
7.50
5.00
2.50
1.00

Z-units:

50 to 80
25 to 50
10 to 25
7.5 to 10
5 to 7.5
2.5 to 5
1 to 2.5

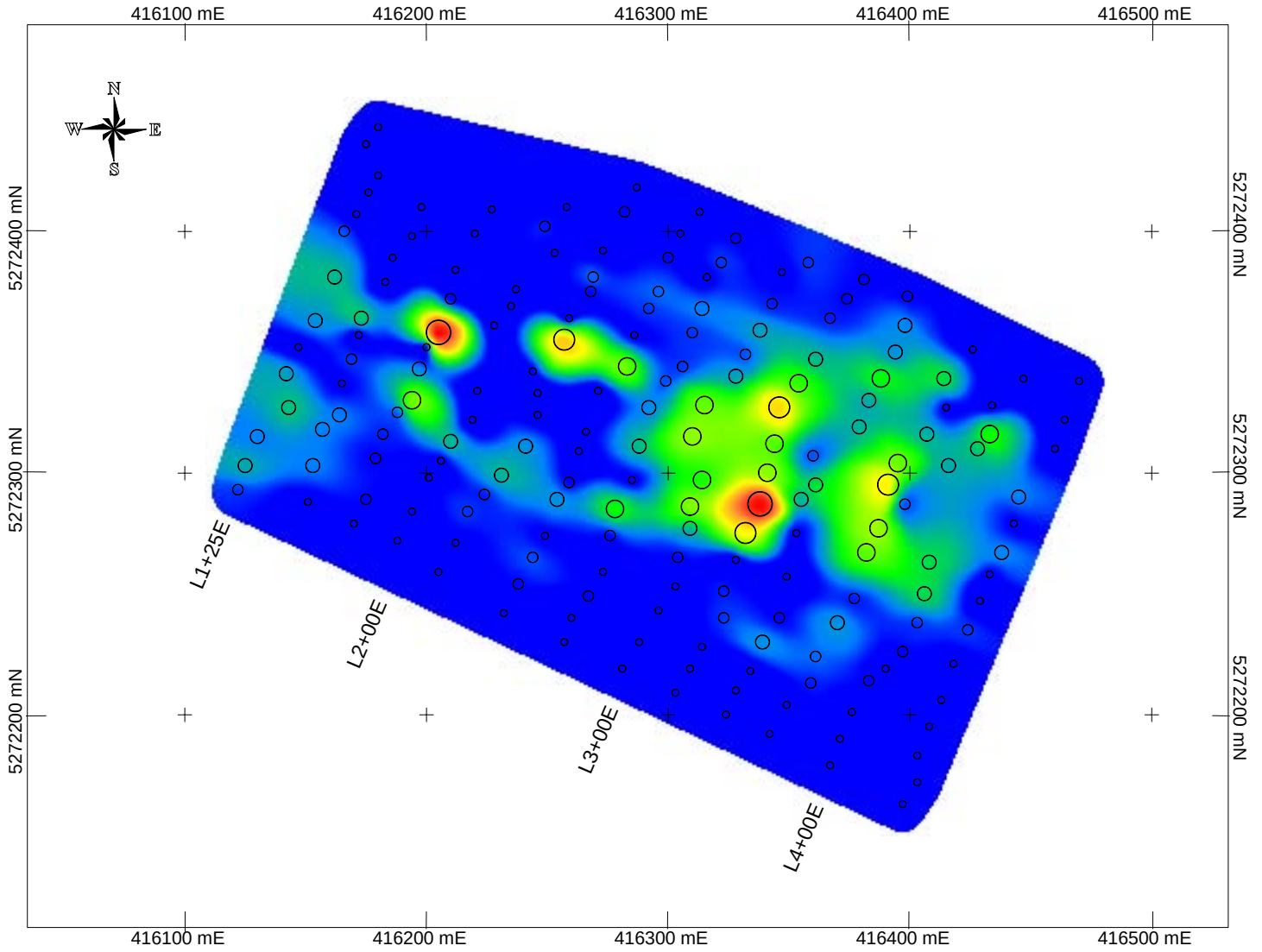
0 50 100 150

Meters

Plot Projection:
NAD83, Zone 17
Samples (n=192)

Geochem plots by:
Mount Morgan Resources Ltd.,
Winnipeg, Manitoba

NAMEX HUFFMAN 2006 MMI-M SURVEY
AgRR </= 100RR



AgRR

100.00
75.00
50.00
25.00
10.00
5.00
1.00

Z-units:

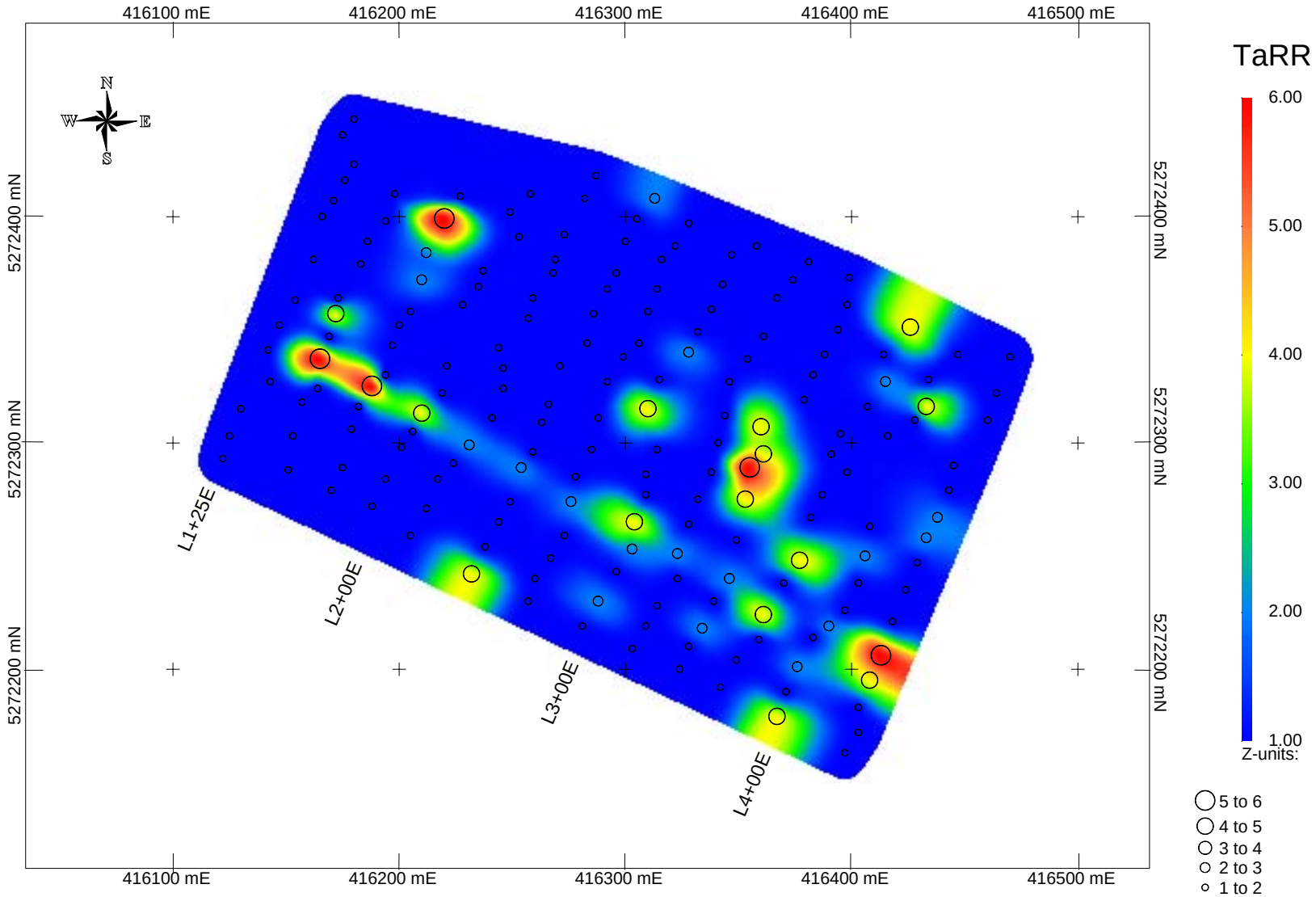
75 to 100
50 to 75
25 to 50
10 to 25
5 to 10
1 to 5

0 50 100 150
Meters

Plot Projection:
NAD83, Zone 17
Samples (n=192)

Geochem plots by:
Mount Morgan Resources Ltd.,
Winnipeg, Manitoba

NAMEX HUFFMAN 2006 MMI-M SURVEY
TaRR



TaRR

6.00
5.00
4.00
3.00
2.00
1.00

Z-units:

5 to 6
4 to 5
3 to 4
2 to 3
1 to 2

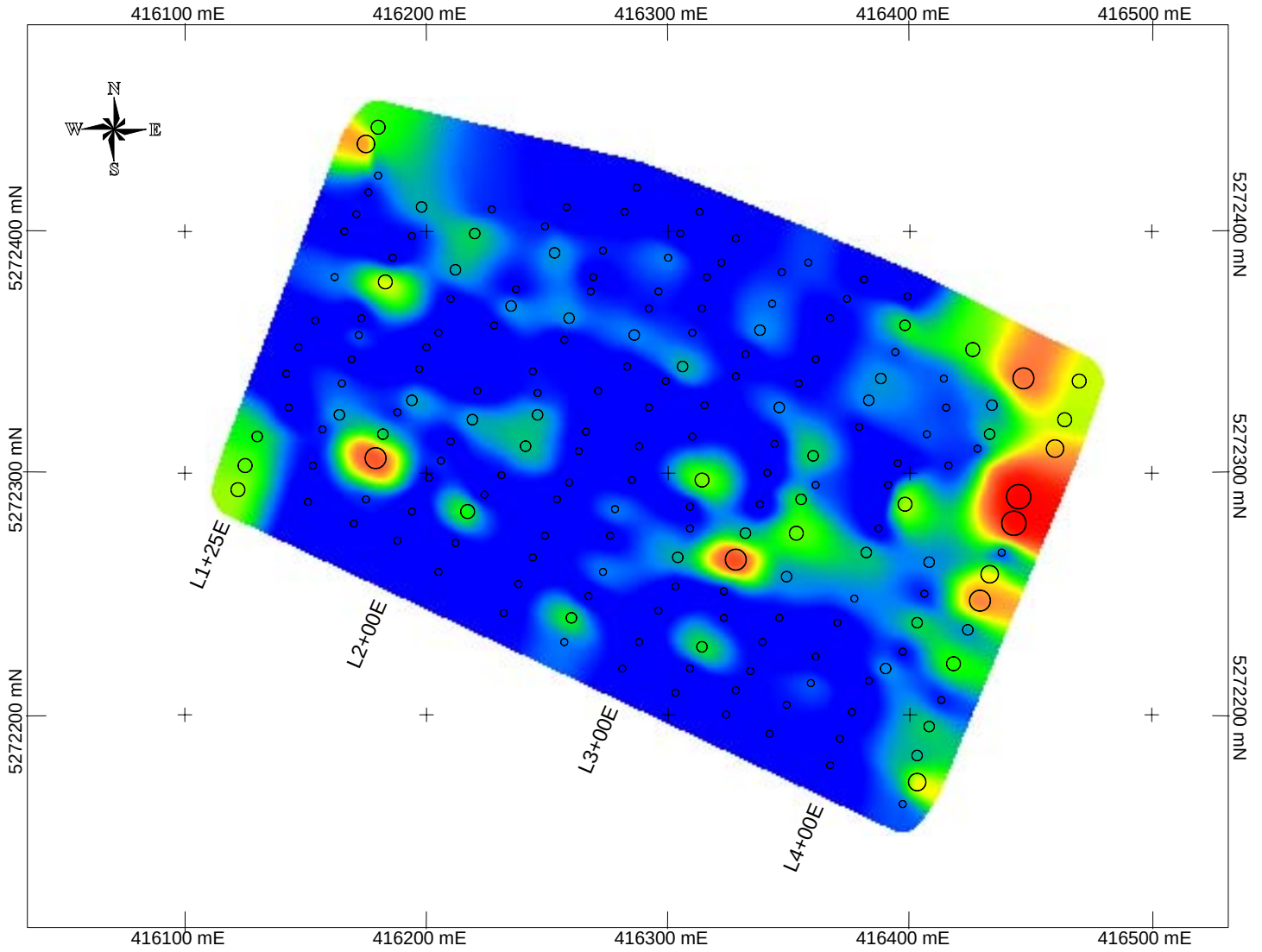
0 50 100 150

Meters

Plot Projection:
NAD83, Zone 17
Samples (n=192)

Geochem plots by:
Mount Morgan Resources Ltd.,
Winnipeg, Manitoba

NAMEX HUFFMAN 2006 MMI-M SURVEY
SrRR



SrRR

171.00
150.00
100.00
75.00
50.00
25.00
10.00
1.00

Z-units:

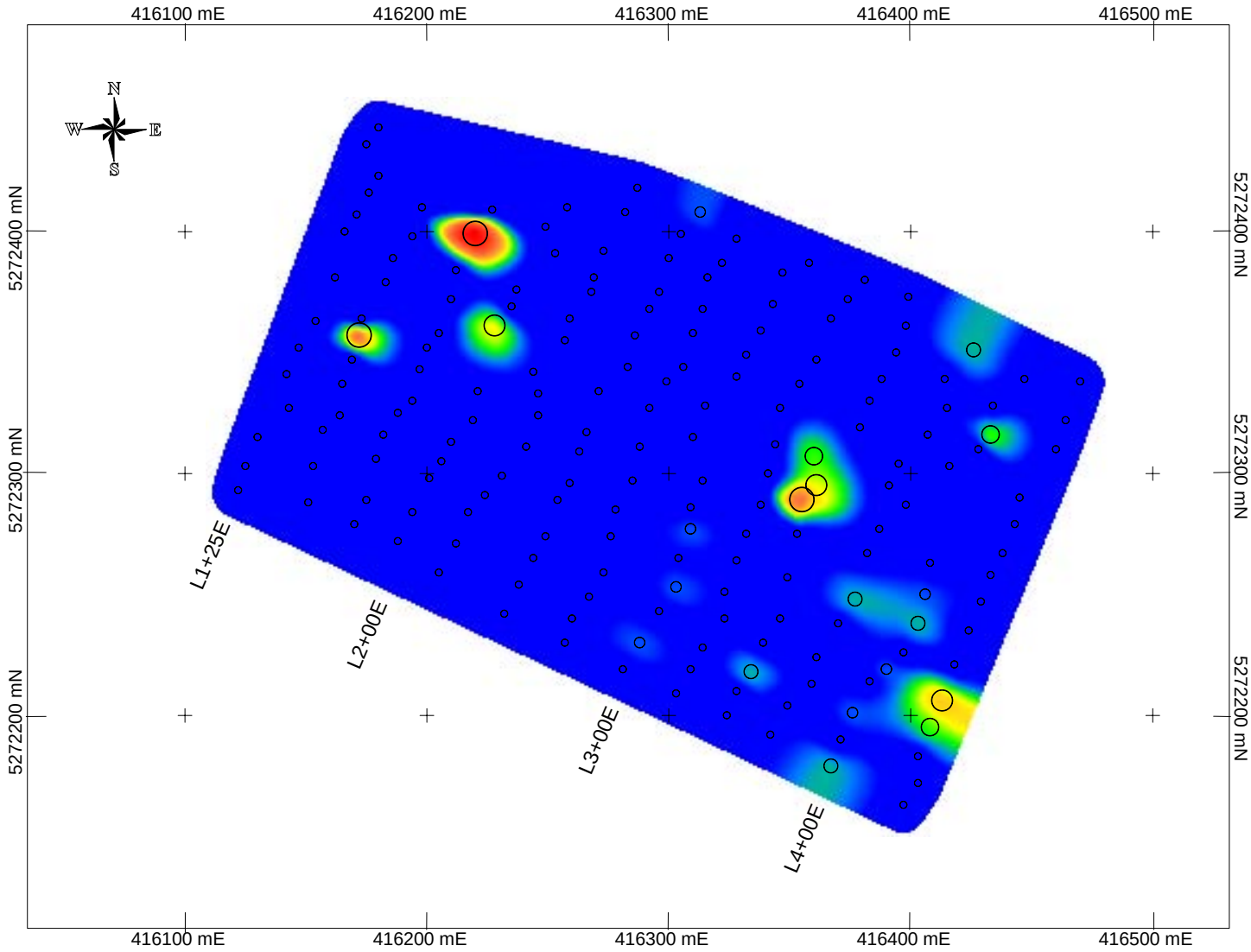
150 to 171
100 to 150
75 to 100
50 to 75
25 to 50
10 to 25
1 to 10

0 50 100 150
Meters

Plot Projection:
NAD83, Zone 17
Samples (n=192)

Geochem plots by:
Mount Morgan Resources Ltd.,
Winnipeg, Manitoba

NAMEX HUFFMAN 2006 MMI-M SURVEY
SnRR



SnRR

24.00
15.00
10.00
7.50
5.00
2.50
1.00

Z-units:

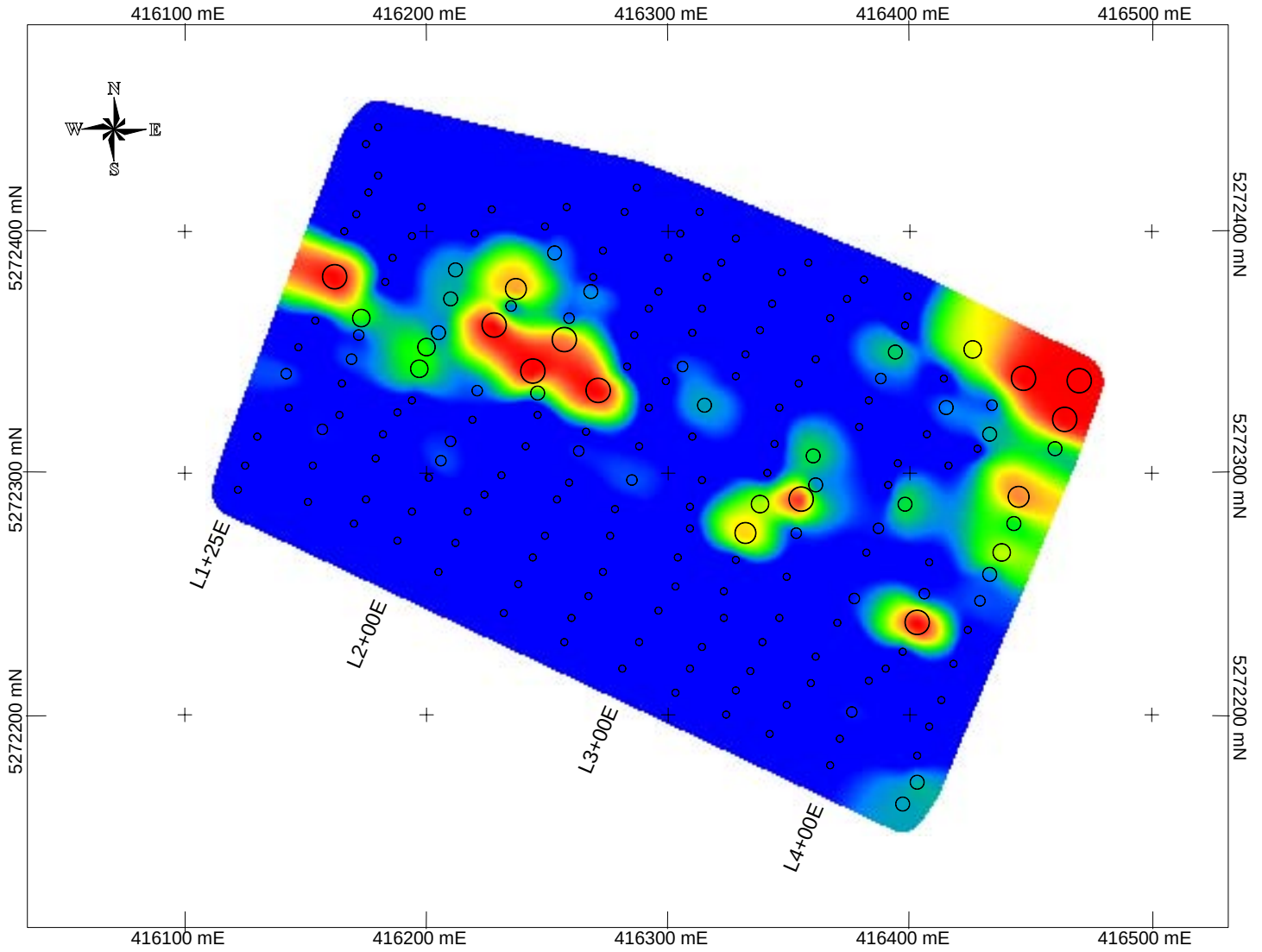
15 to 24
10 to 15
7.5 to 10
5 to 7.5
2.5 to 5
1 to 2.5

0 50 100 150
Meters

Plot Projection:
NAD83, Zone 17
Samples (n=192)

Geochem plots by:
Mount Morgan Resources Ltd.,
Winnipeg, Manitoba

NAMEX HUFFMAN 2006 MMI-M SURVEY
SbRR </= 100RR



SbRR

100.00
75.00
50.00
25.00
10.00
5.00
0.00

Z-units:

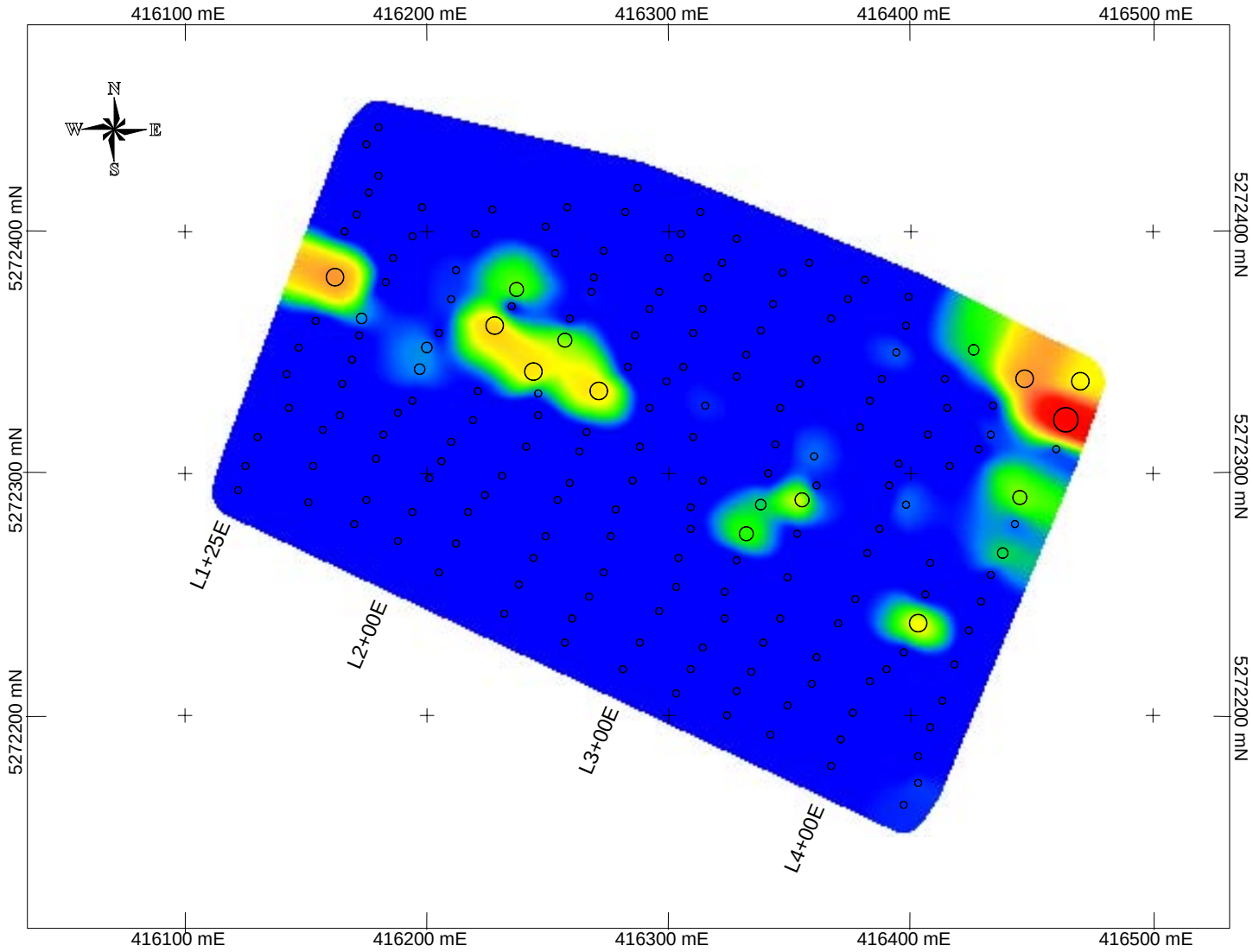
75 to 100
50 to 75
25 to 50
10 to 25
5 to 10
0 to 5

0 50 100 150
Meters

Plot Projection:
NAD83, Zone 17
Samples (n=192)

Geochem plots by:
Mount Morgan Resources Ltd.,
Winnipeg, Manitoba

NAMEX HUFFMAN 2006 MMI-M SURVEY
SbRR



SbRR

430.00
300.00
200.00
100.00
50.00
25.00
10.00
0.00

Z-units:

300 to 430
200 to 300
100 to 200
50 to 100
25 to 50
10 to 25
0 to 10

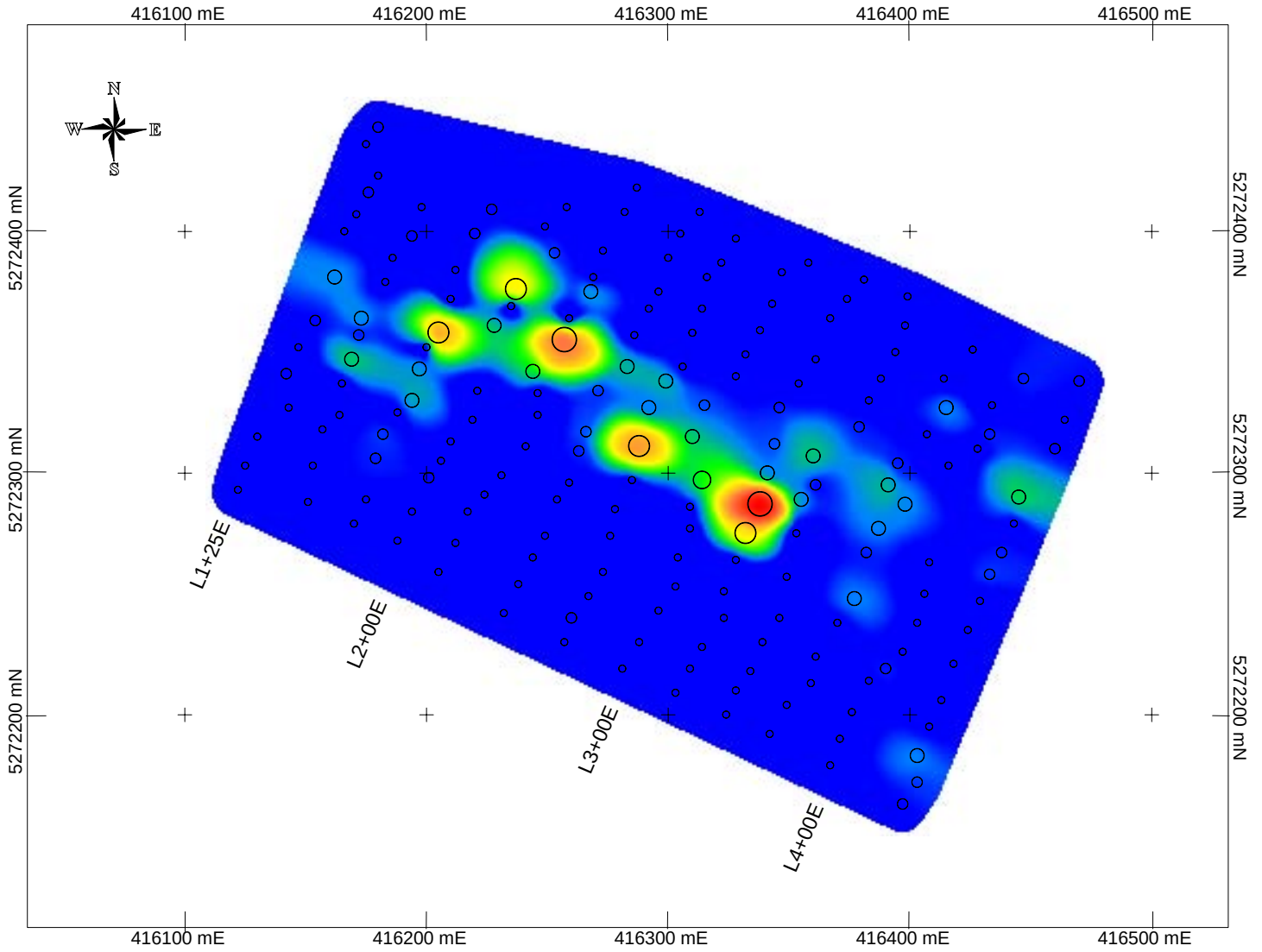
0 50 100 150

Meters

Plot Projection:
NAD83, Zone 17
Samples (n=192)

Geochem plots by:
Mount Morgan Resources Ltd.,
Winnipeg, Manitoba

NAMEX HUFFMAN 2006 MMI-M SURVEY
PbRR



PbRR

183.00
100.00
50.00
25.00
10.00
5.00
1.00
Z-units:

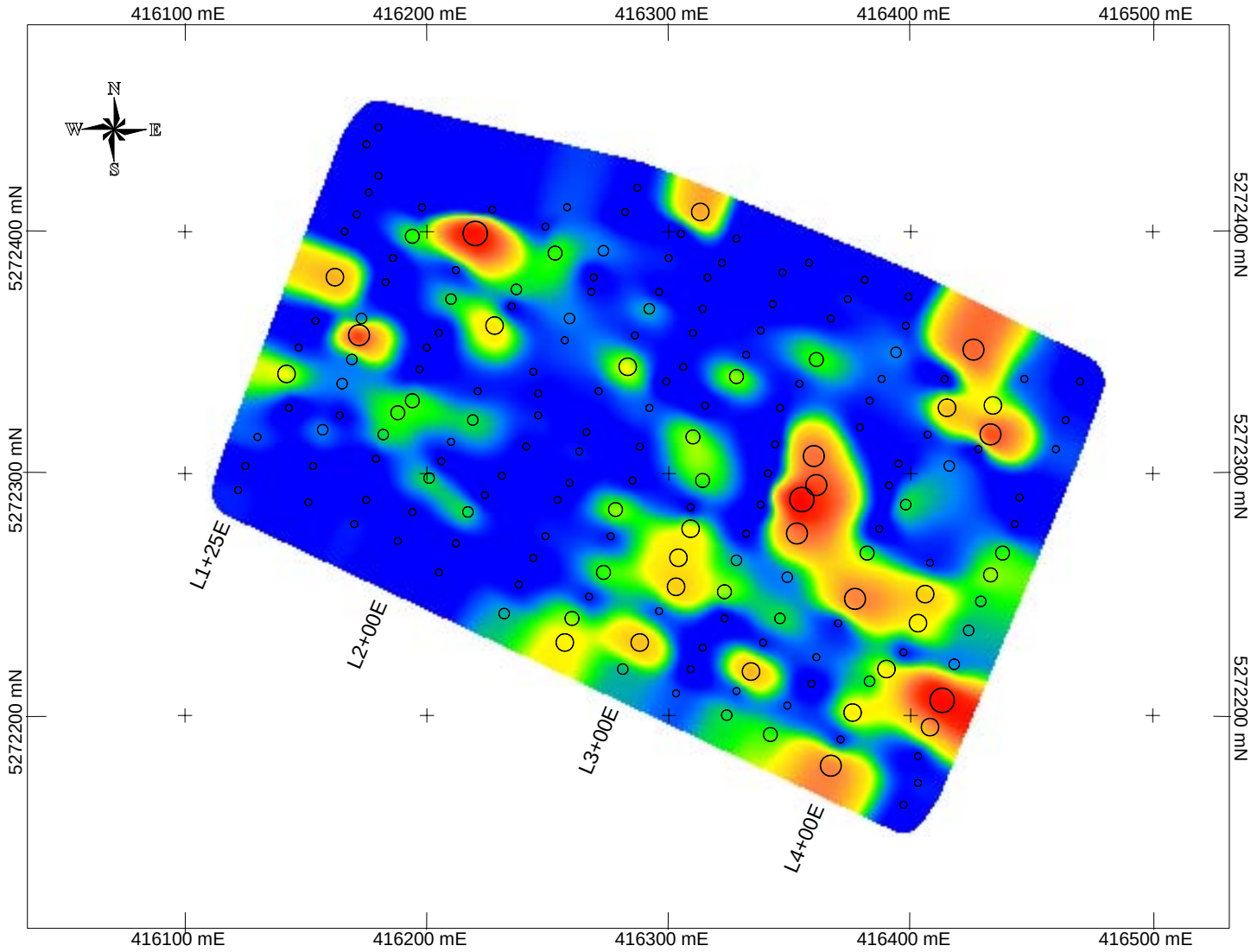
100 to 183
50 to 100
25 to 50
10 to 25
5 to 10
1 to 5

0 50 100 150
Meters

Plot Projection:
NAD83, Zone 17
Samples (n=192)

Geochem plots by:
Mount Morgan Resources Ltd.,
Winnipeg, Manitoba

NAMEX HUFFMAN 2006 MMI-M SURVEY
NbRR



NbRR

41.00
30.00
20.00
10.00
7.50
5.00
2.50
1.00

Z-units:

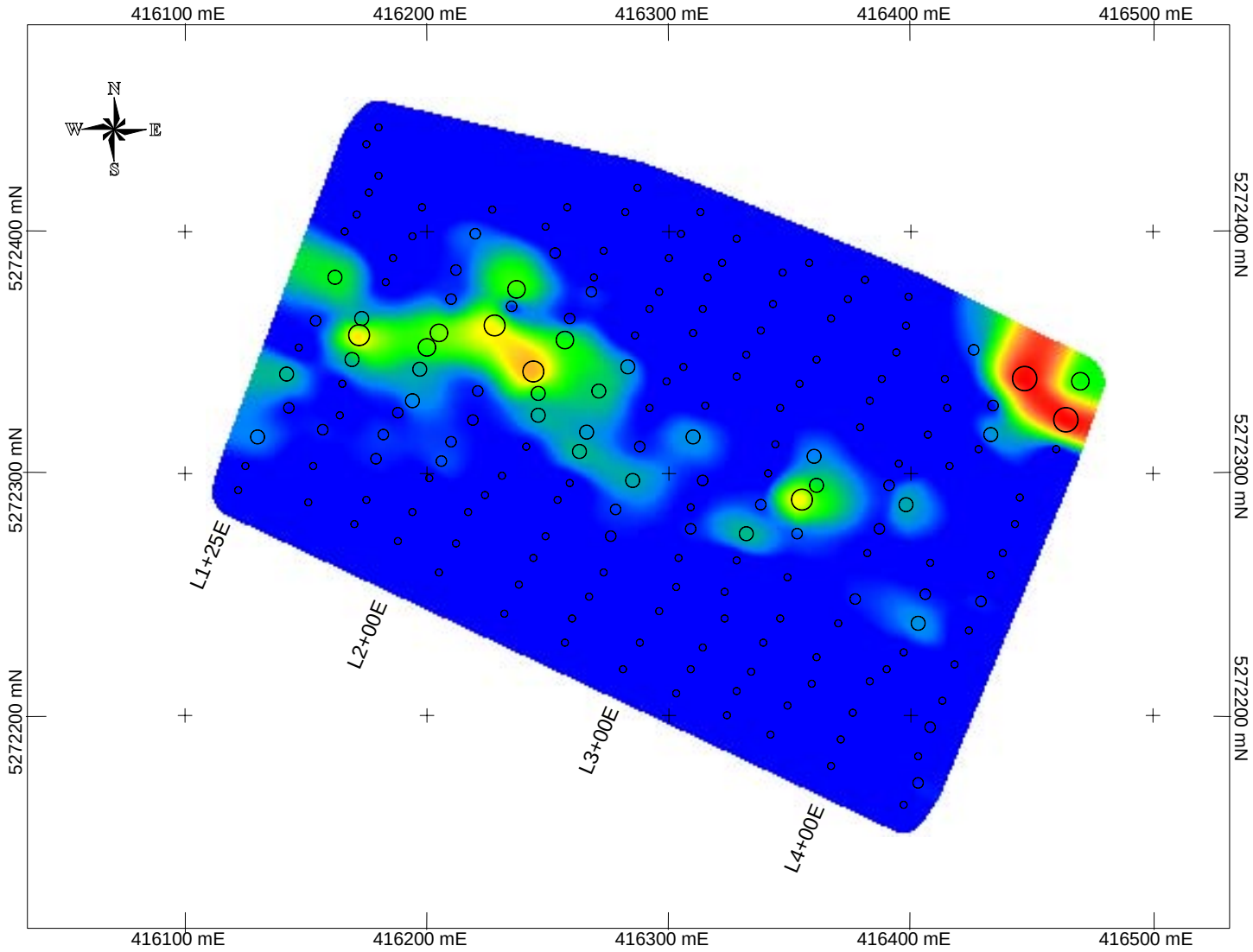
30 to 41
20 to 30
10 to 20
7.5 to 10
5 to 7.5
2.5 to 5
1 to 2.5

0 50 100 150
Meters

Plot Projection:
NAD83, Zone 17
Samples (n=192)

Geochem plots by:
Mount Morgan Resources Ltd.,
Winnipeg, Manitoba

NAMEX HUFFMAN 2006 MMI-M SURVEY
MoRR </= 100RR



MoRR

100.00
75.00
50.00
25.00
10.00
5.00
0.00

Z-units:

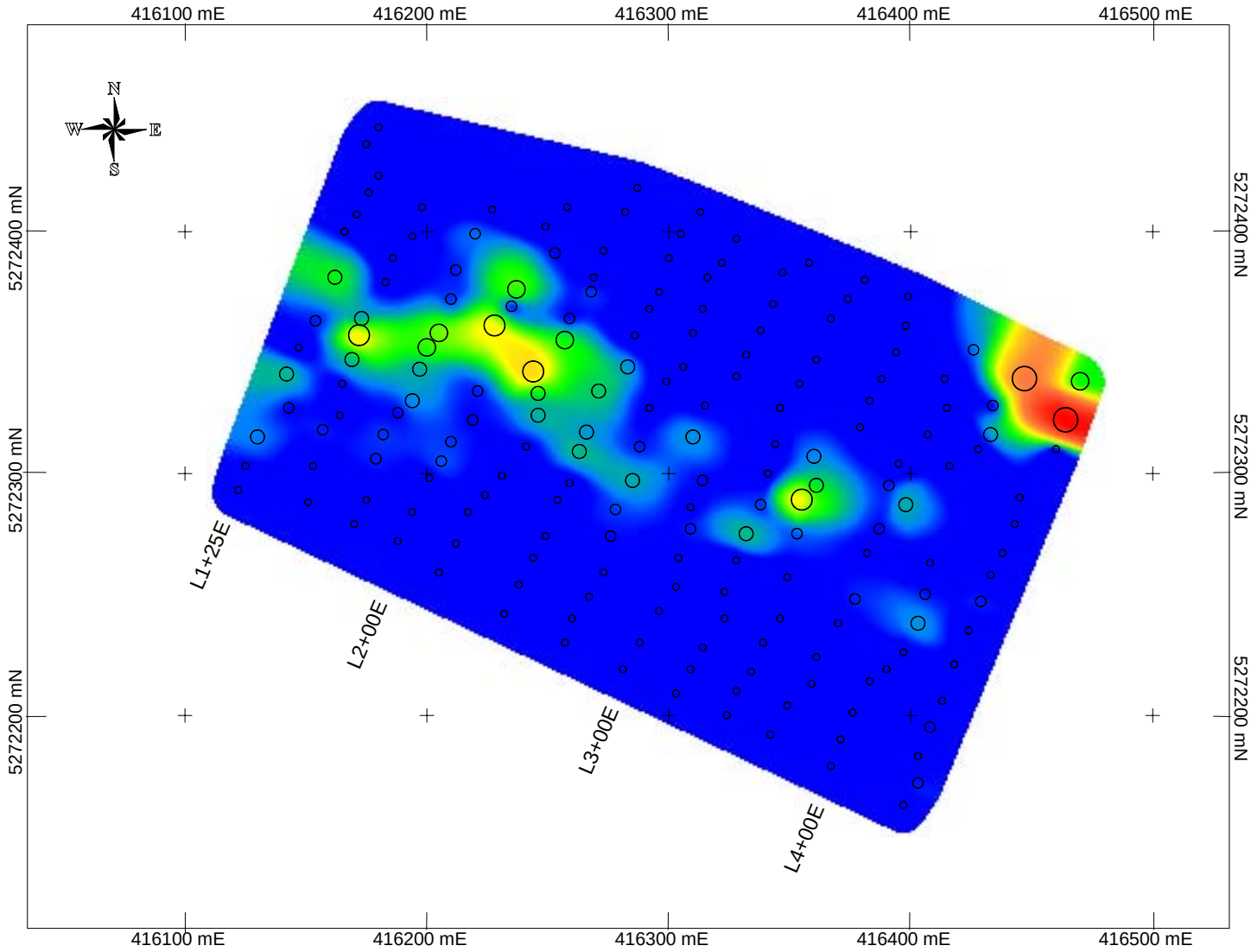
75 to 100
50 to 75
25 to 50
10 to 25
5 to 10
0 to 5

0 50 100 150
Meters

Plot Projection:
NAD83, Zone 17
Samples (n=192)

Geochem plots by:
Mount Morgan Resources Ltd.,
Winnipeg, Manitoba

NAMEX HUFFMAN 2006 MMI-M SURVEY
MoRR



MoRR

249.00

100.00

50.00

25.00

10.00

5.00

0.00

Z-units:

100 to 249

50 to 100

25 to 50

10 to 25

5 to 10

0 to 5

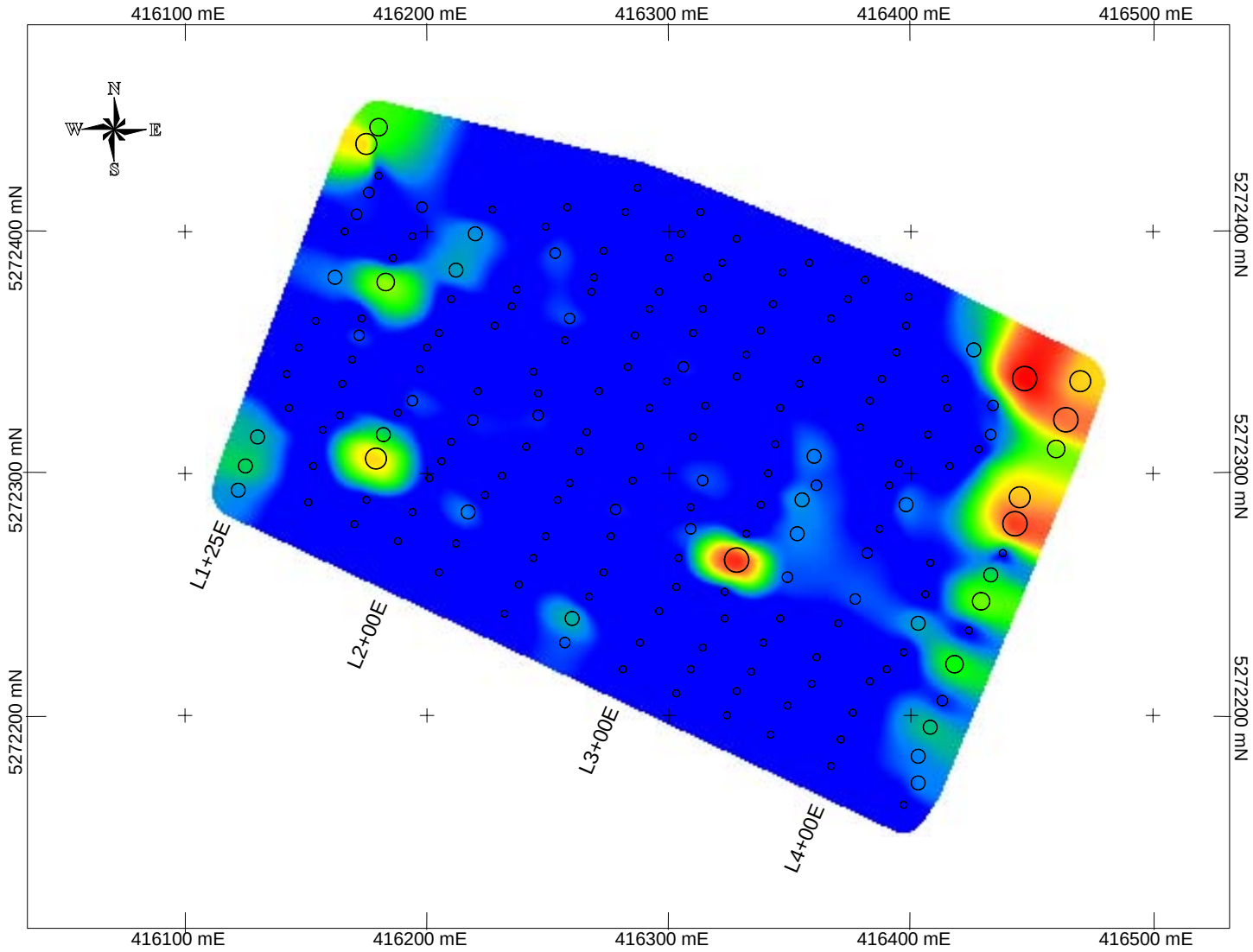
0 50 100 150

Meters

Plot Projection:
NAD83, Zone 17
Samples (n=192)

Geochem plots by:
Mount Morgan Resources Ltd.,
Winnipeg, Manitoba

NAMEX HUFFMAN 2006 MMI-M SURVEY
MgRR



MgRR

116.00
75.00
50.00
25.00
10.00
5.00
0.00

Z-units:

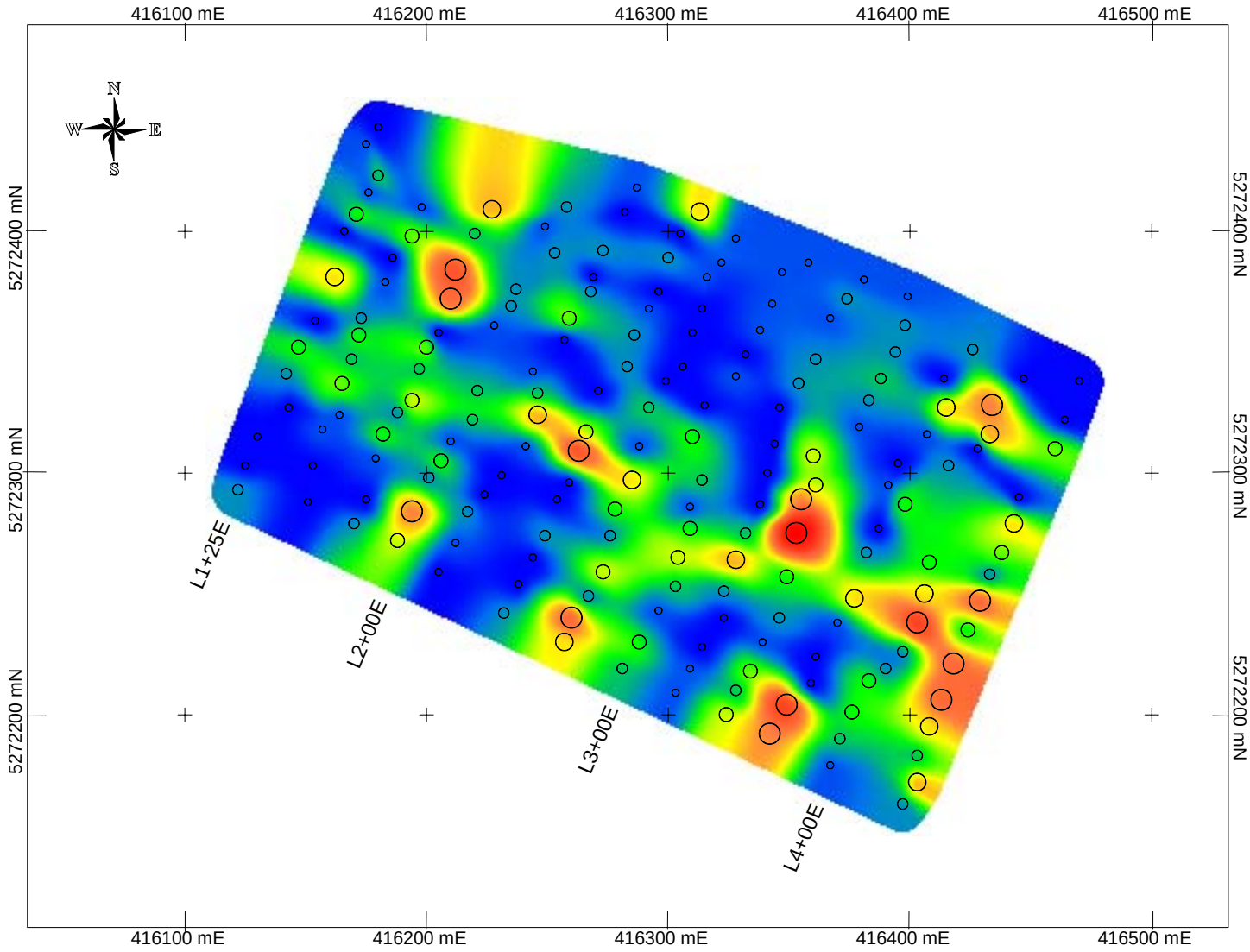
75 to 116
50 to 75
25 to 50
10 to 25
5 to 10
0 to 5

0 50 100 150
Meters

Plot Projection:
NAD83, Zone 17
Samples (n=192)

Geochem plots by:
Mount Morgan Resources Ltd.,
Winnipeg, Manitoba

NAMEX HUFFMAN 2006 MMI-M SURVEY
FeRR



FeRR

16.00
10.00
7.50
5.00
2.50
1.00

Z-units:

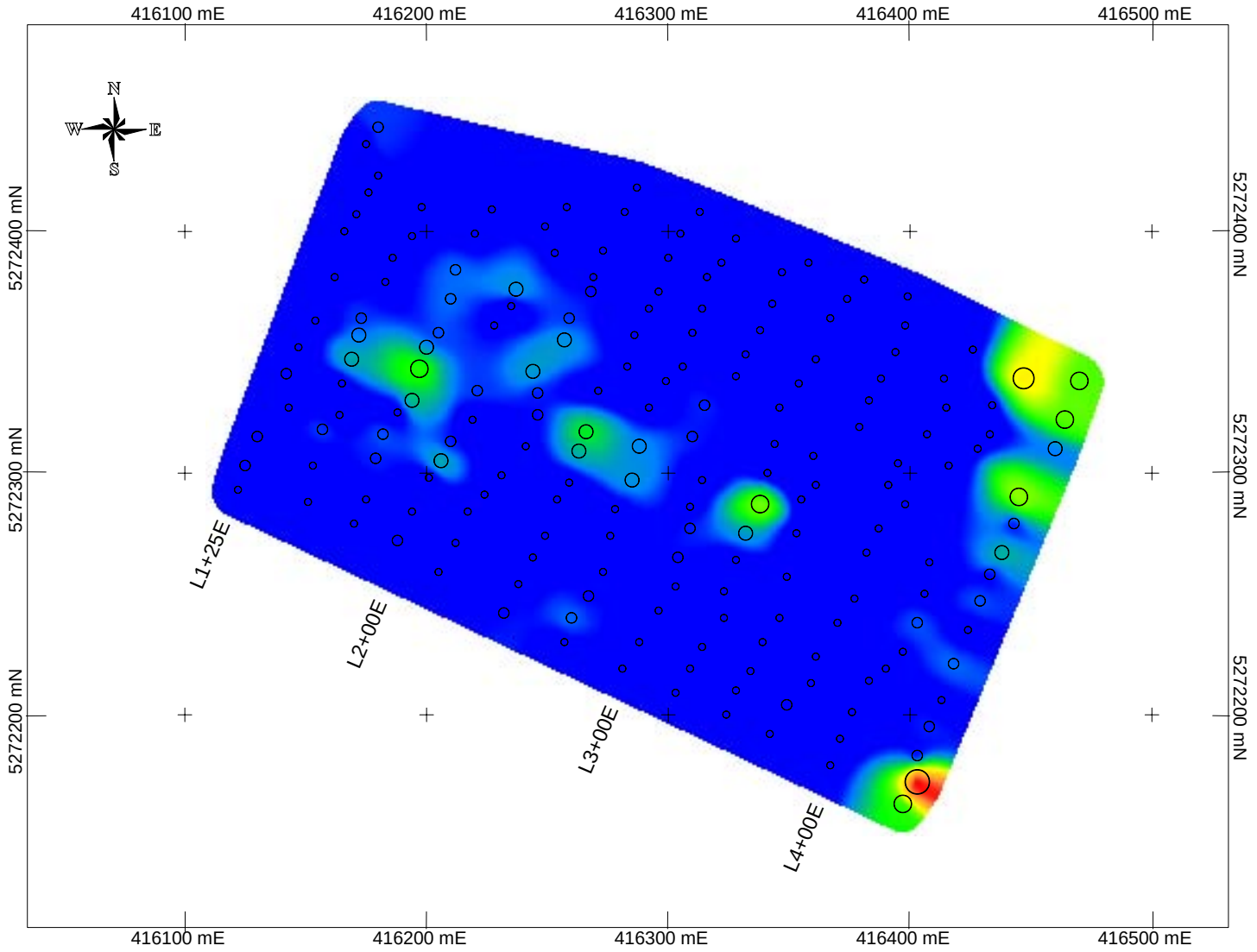
10 to 16
7.5 to 10
5 to 7.5
2.5 to 5
1 to 2.5

0 50 100 150
Meters

Plot Projection:
NAD83, Zone 17
Samples (n=192)

Geochem plots by:
Mount Morgan Resources Ltd.,
Winnipeg, Manitoba

NAMEX HUFFMAN 2006 MMI-M SURVEY
CuRR



CuRR

128.00
100.00
50.00
25.00
10.00
5.00
1.00

Z-units:

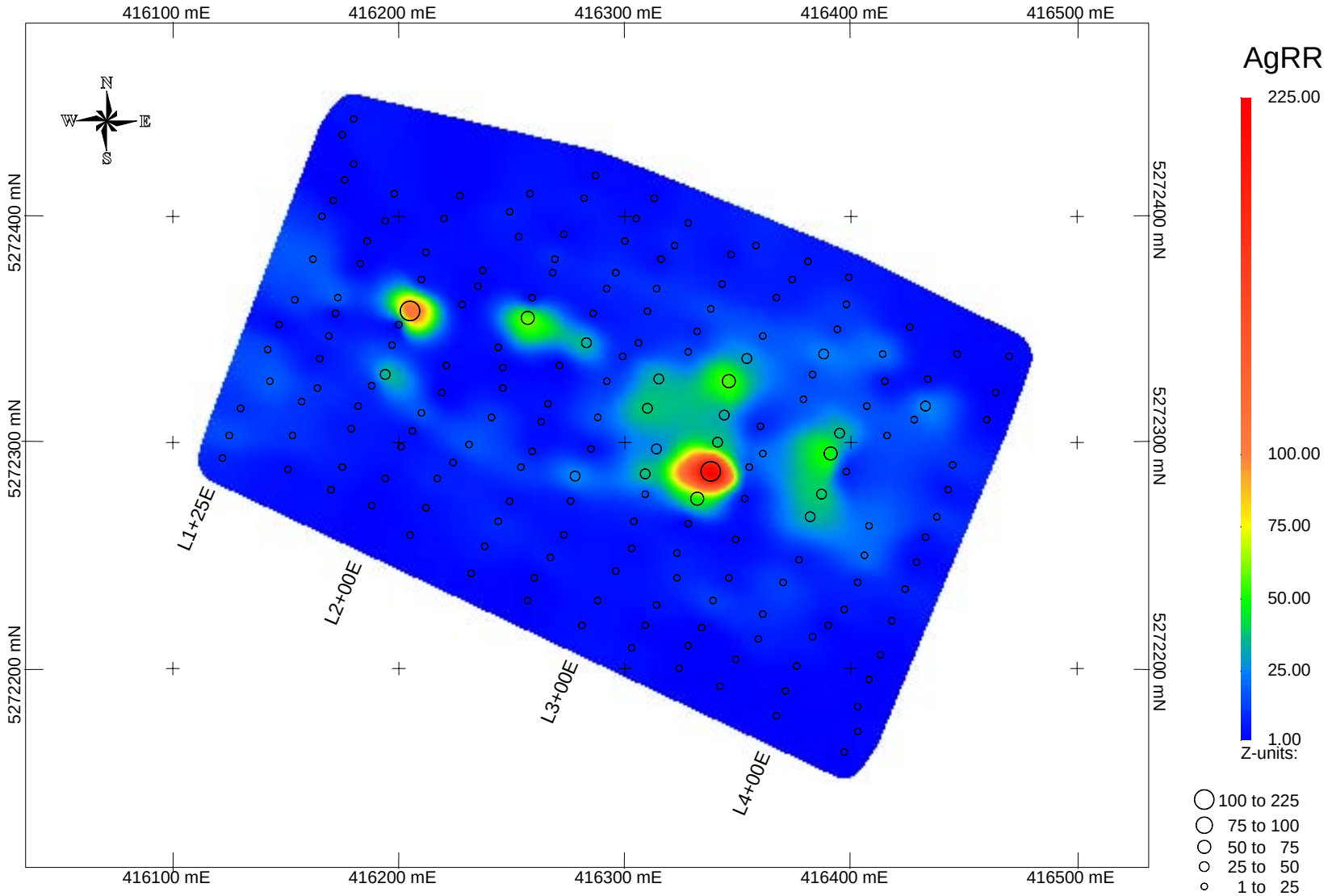
100 to 128
50 to 100
25 to 50
10 to 25
5 to 10
1 to 5

0 50 100 150
Meters

Plot Projection:
NAD83, Zone 17
Samples (n=192)

Geochem plots by:
Mount Morgan Resources Ltd.,
Winnipeg, Manitoba

NAMEX HUFFMAN 2006 MMI-M SURVEY
AgRR



AgRR

225.00

100.00

75.00

50.00

25.00

1.00

Z-units:

100 to 225
75 to 100
50 to 75
25 to 50
1 to 25

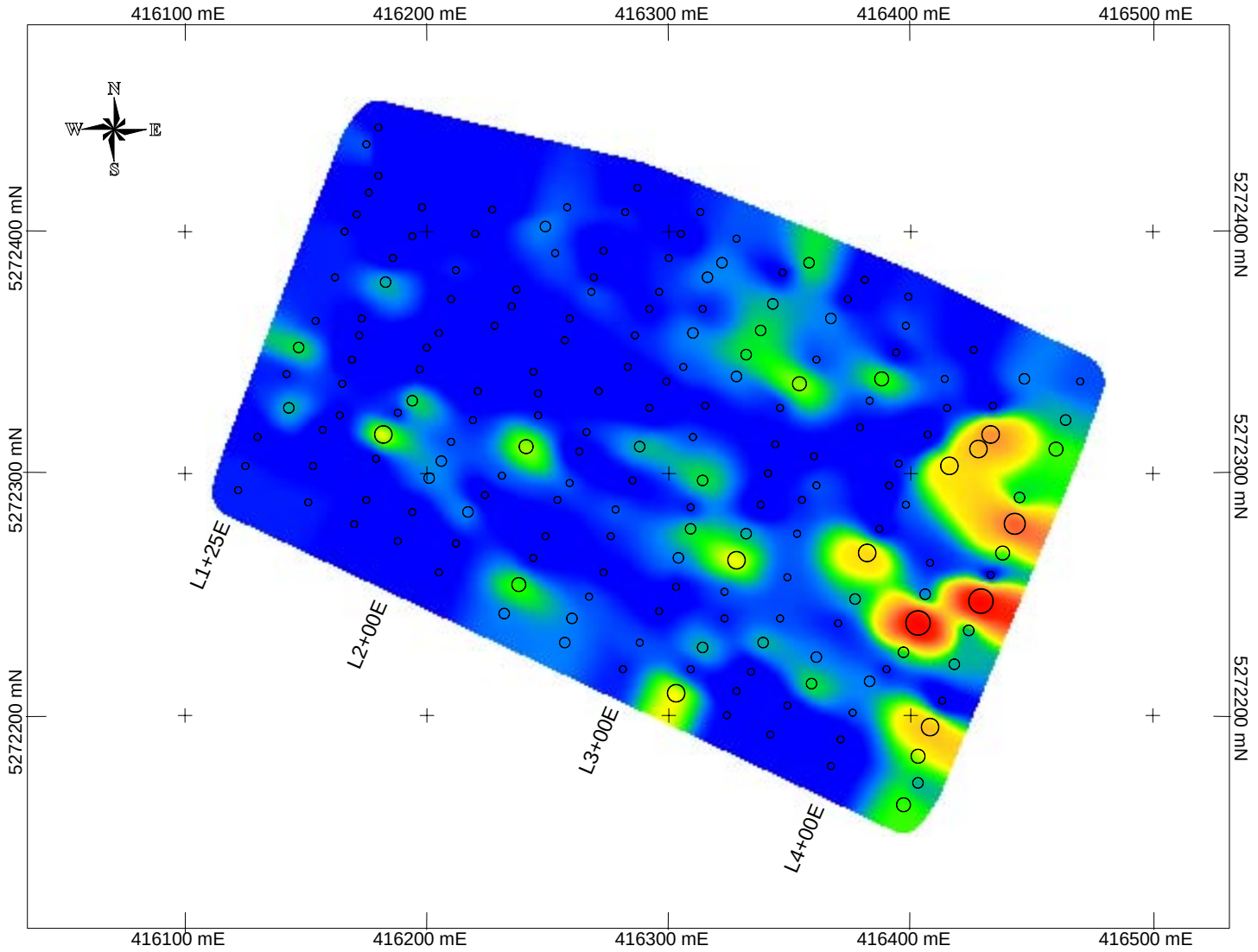
0 50 100 150

Meters

Plot Projection:
NAD83, Zone 17
Samples (n=192)

Geochem plots by:
Mount Morgan Resources Ltd.,
Winnipeg, Manitoba

NAMEX HUFFMAN 2006 MMI-M SURVEY
CoRR



CoRR

42.00
30.00
20.00
10.00
7.50
5.00
2.50
1.00

Z-units:

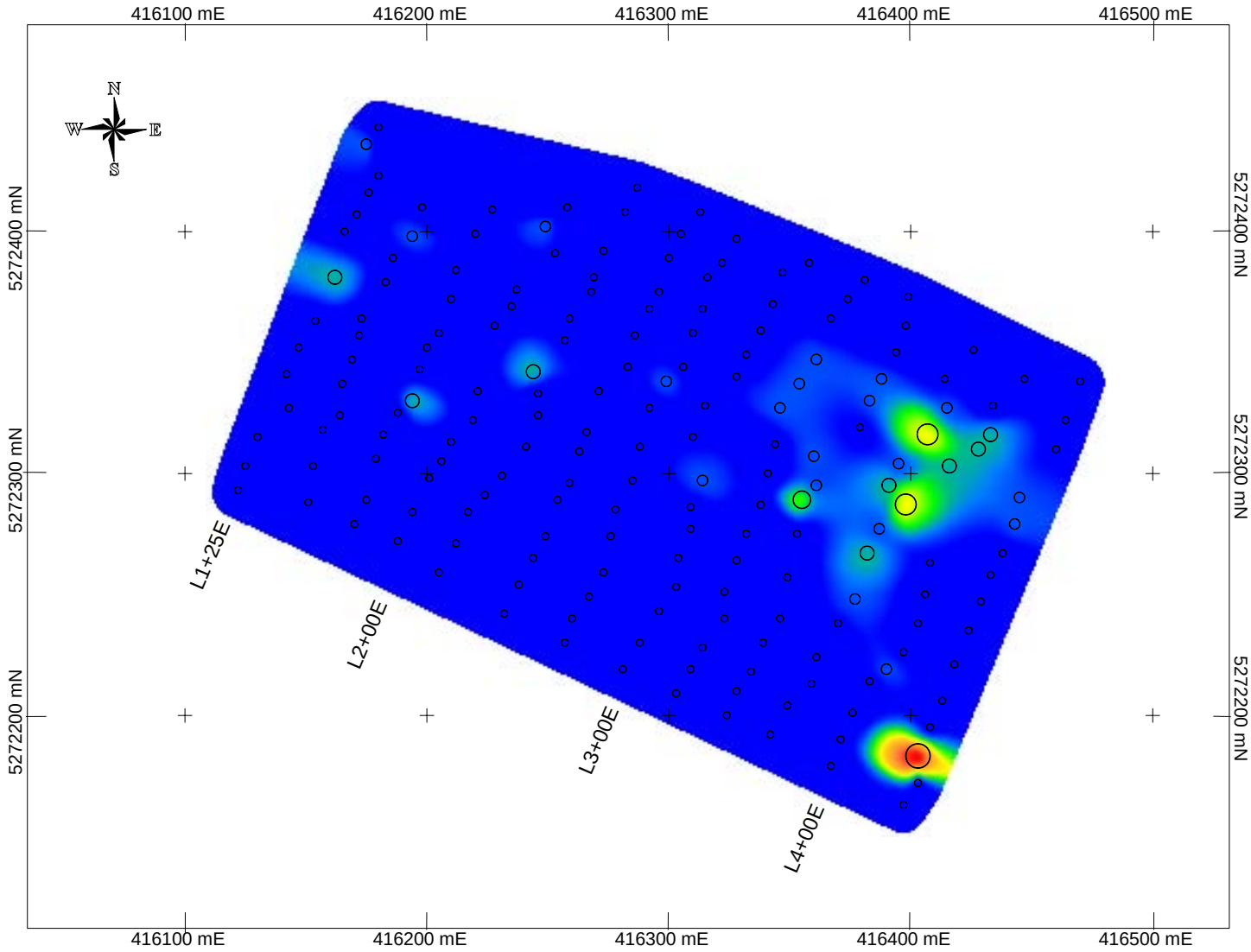
30 to 42
20 to 30
10 to 20
7.5 to 10
5 to 7.5
2.5 to 5
1 to 2.5

0 50 100 150
Meters

Plot Projection:
NAD83, Zone 17
Samples (n=192)

Geochem plots by:
Mount Morgan Resources Ltd.,
Winnipeg, Manitoba

NAMEX HUFFMAN 2006 MMI-M SURVEY
CdRR



CdRR

18.00
15.00
10.00
7.50
5.00
2.50
1.00

Z-units:

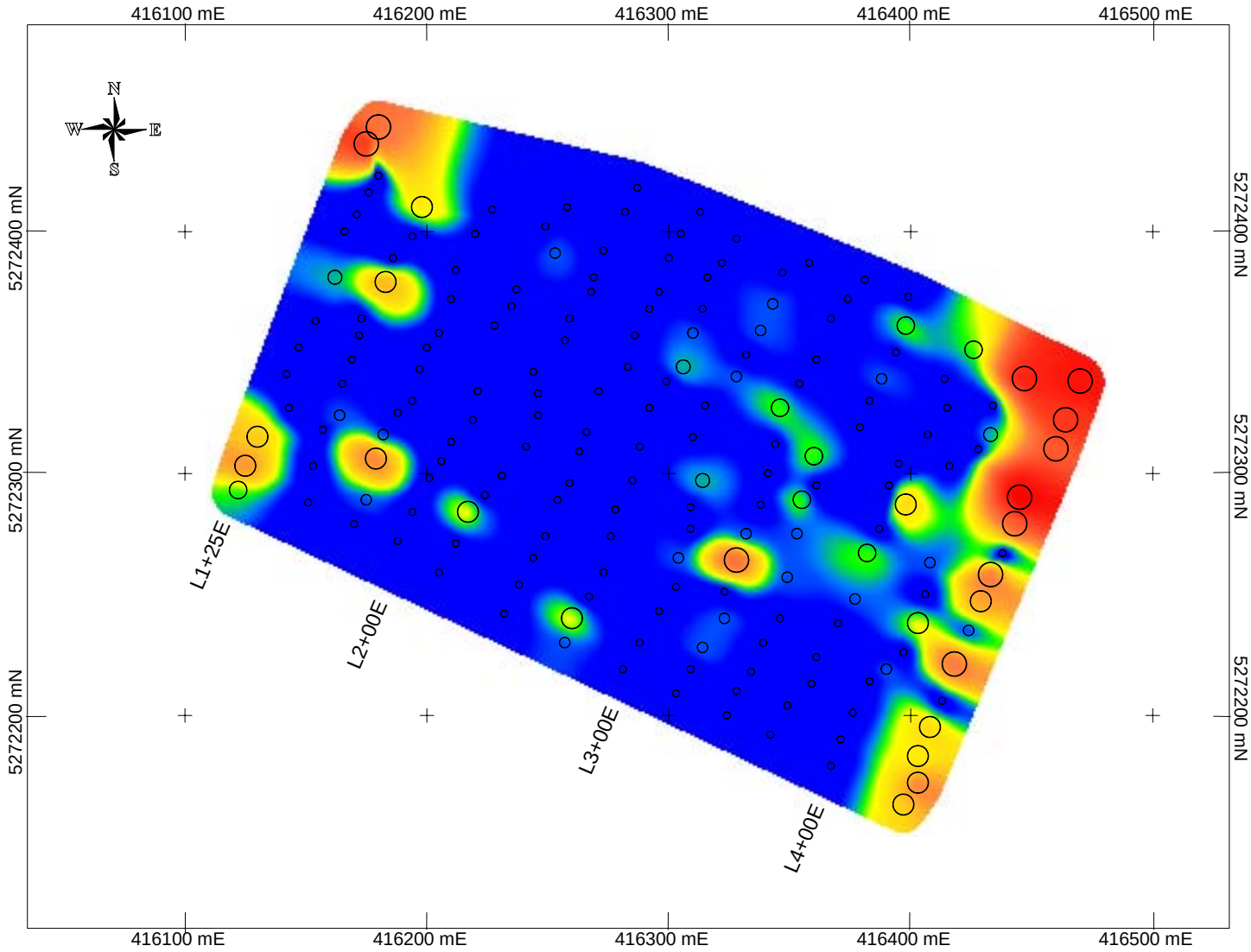
15 to 18
10 to 15
7.5 to 10
5 to 7.5
2.5 to 5
1 to 2.5

0 50 100 150
Meters

Plot Projection:
NAD83, Zone 17
Samples (n=192)

Geochem plots by:
Mount Morgan Resources Ltd.,
Winnipeg, Manitoba

NAMEX HUFFMAN 2006 MMI-M SURVEY
CaRR



CaRR

54.00
25.00
10.00
7.50
5.00
2.50
1.00

Z-units:

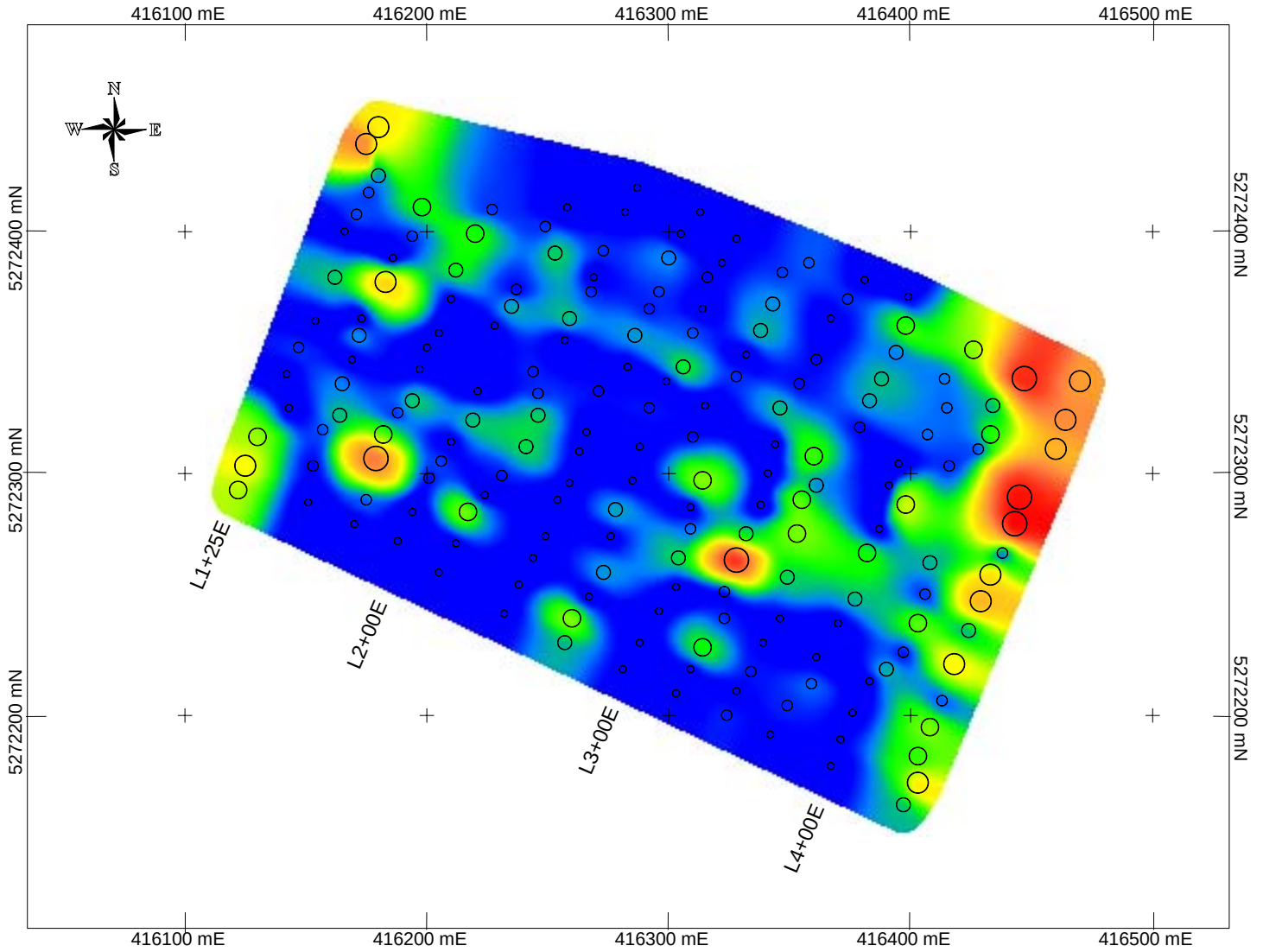
25 to 54
10 to 25
7.5 to 10
5 to 7.5
2.5 to 5
1 to 2.5

0 50 100 150
Meters

Plot Projection:
NAD83, Zone 17
Samples (n=192)

Geochem plots by:
Mount Morgan Resources Ltd.,
Winnipeg, Manitoba

NAMEX HUFFMAN 2006 MMI-M SURVEY
Ca+Mg+SrRR



Ca+Mg+SrRR

300.00
200.00
100.00
50.00
25.00
10.00
3.00

Z-units:

200 to 300
100 to 200
50 to 100
25 to 50
10 to 25
3 to 10

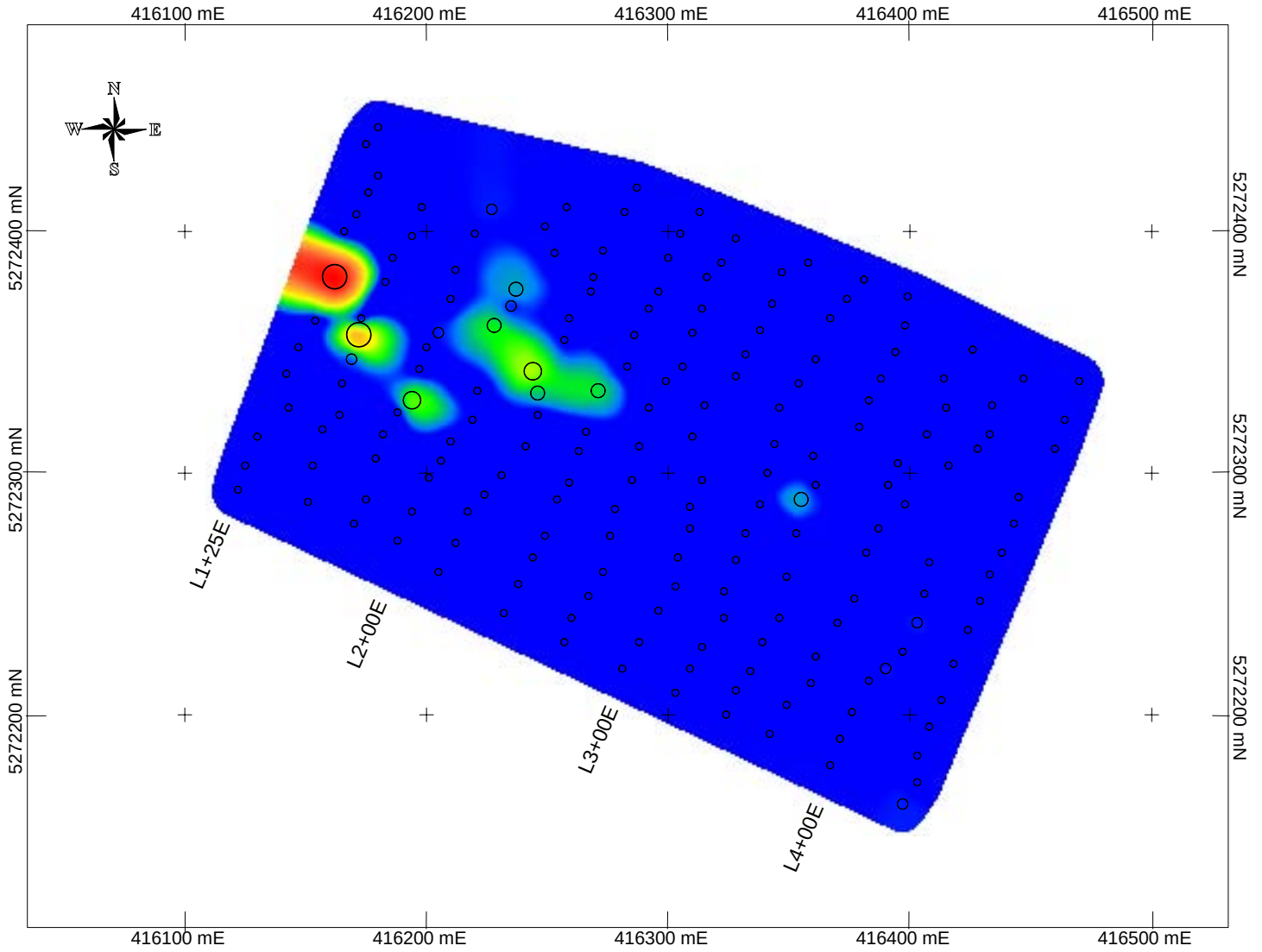
0 50 100 150

Meters

Plot Projection:
NAD83, Zone 17
Samples (n=192)

Geochem plots by:
Mount Morgan Resources Ltd.,
Winnipeg, Manitoba

NAMEX HUFFMAN 2006 MMI-M SURVEY
BiRR



BiRR
154.00
100.00
50.00
25.00
10.00
5.00
0.00
Z-units:

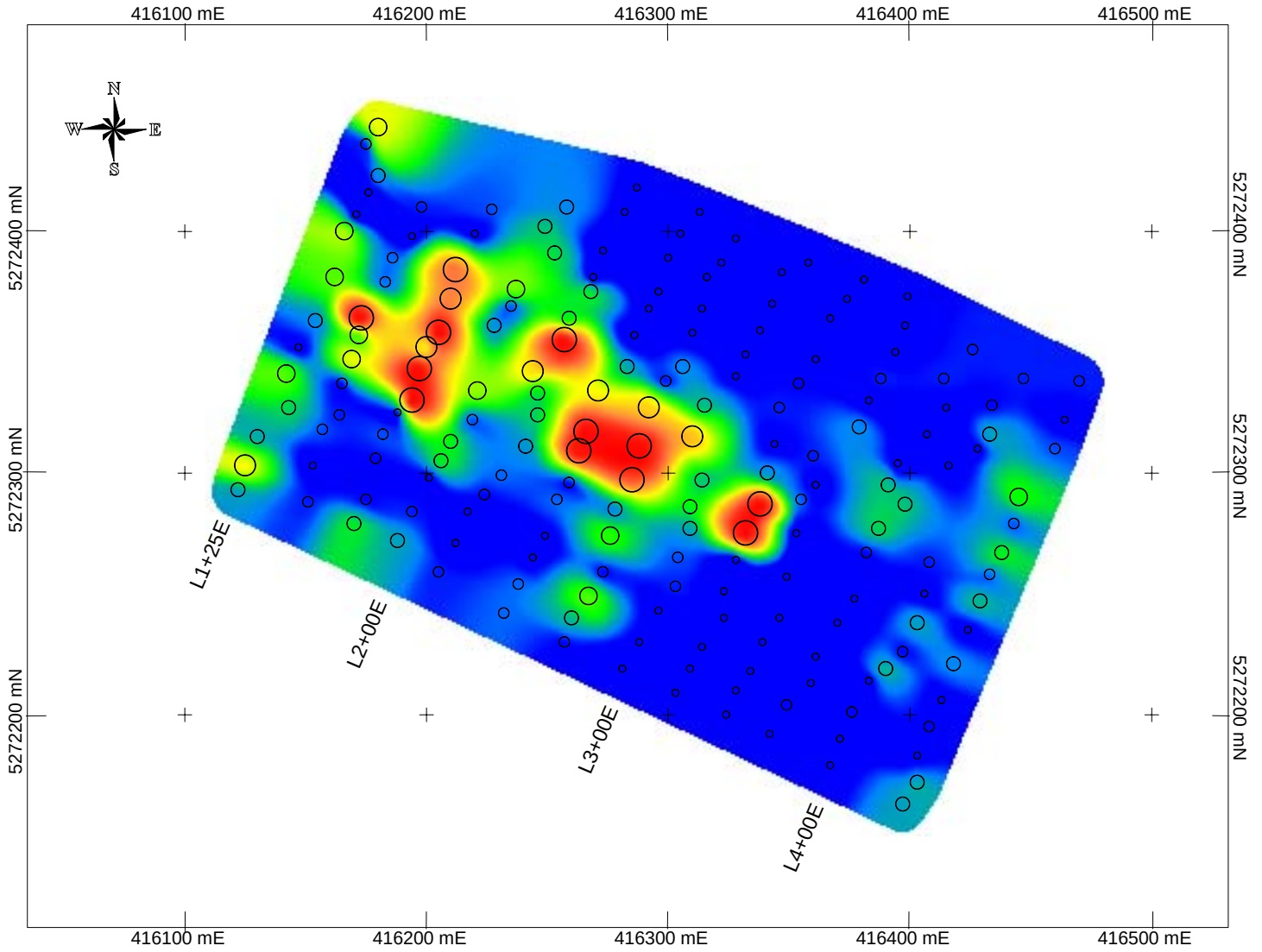
75 to 154
50 to 75
25 to 50
10 to 25
5 to 10
0 to 5

0 50 100 150
Meters

Plot Projection:
NAD83, Zone 17
Samples (n=192)

Geochem plots by:
Mount Morgan Resources Ltd.,
Winnipeg, Manitoba

NAMEX HUFFMAN 2006 MMI-M SURVEY
AuRR </= 100RR



AuRR

100.00
75.00
50.00
25.00
10.00
5.00
1.00

Z-units:

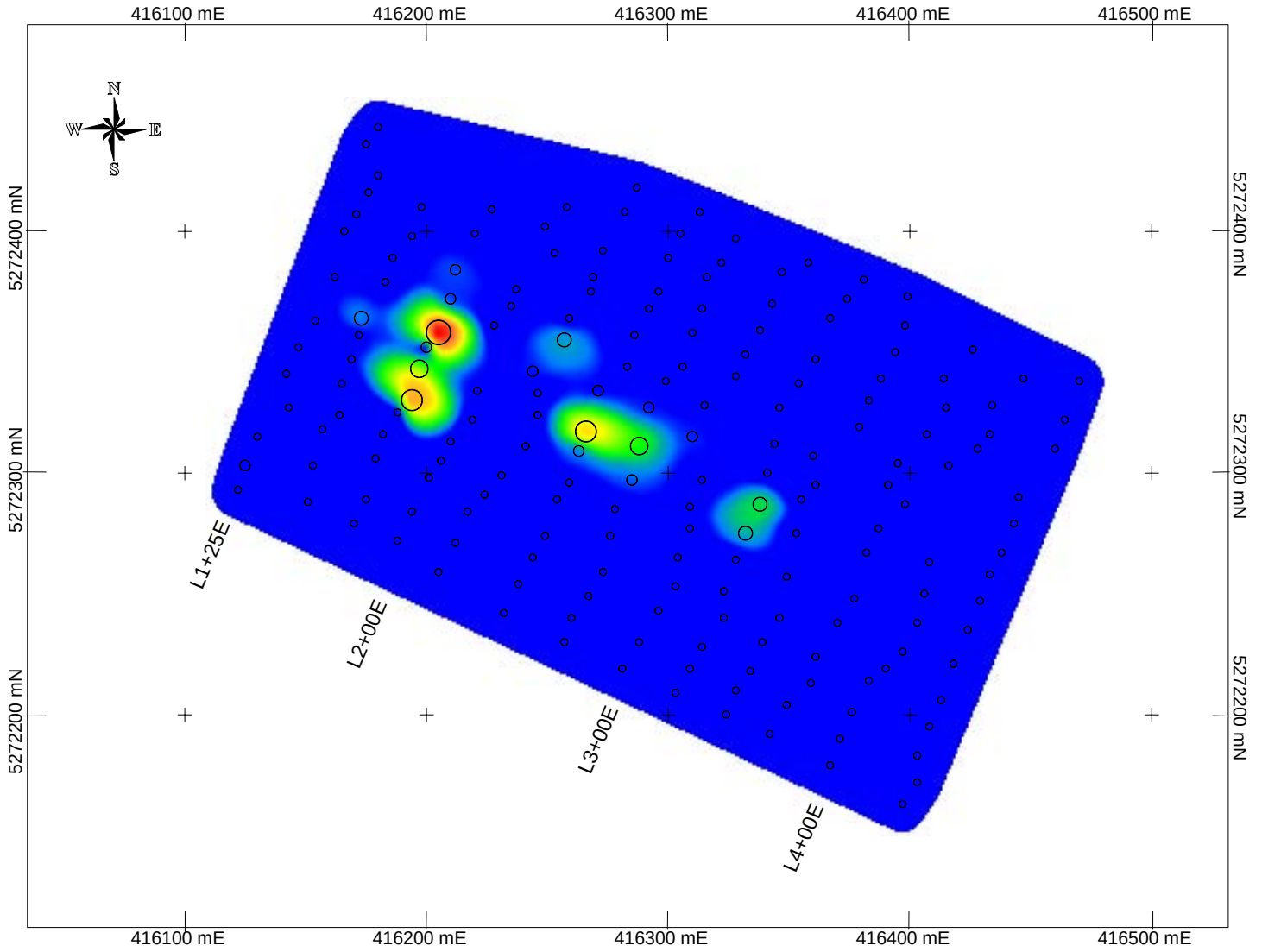
75 to 100
50 to 75
25 to 50
10 to 25
5 to 10
1 to 5

0 50 100 150
Meters

Plot Projection:
NAD83, Zone 17
Samples (n=192)

Geochem plots by:
Mount Morgan Resources Ltd.,
Winnipeg, Manitoba

NAMEX HUFFMAN 2006 MMI-M SURVEY
AuRR



AuRR
975.00
750.00
500.00
250.00
100.00
50.00
1.00
Z-units:

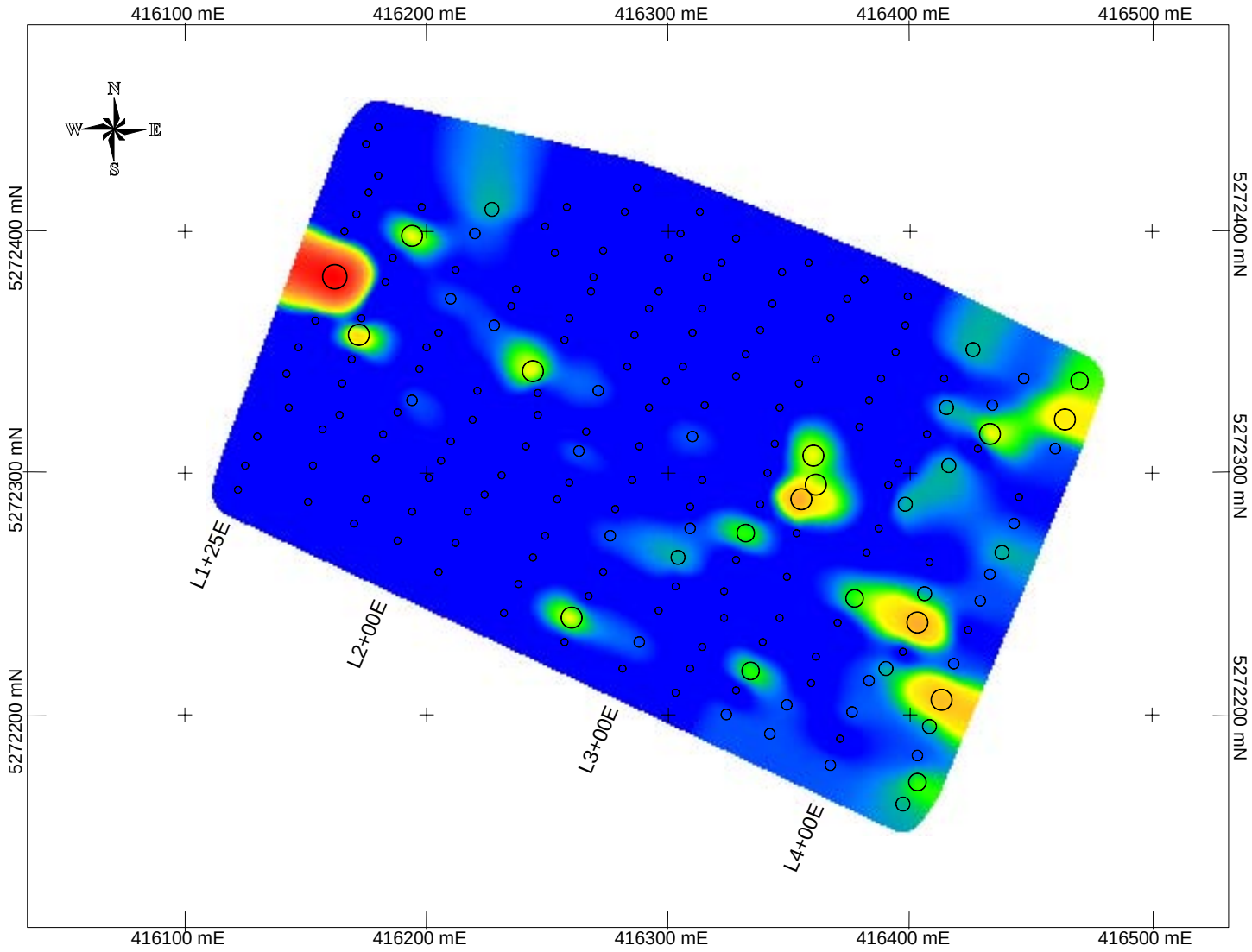
750 to 975
500 to 750
250 to 500
100 to 250
50 to 100
1 to 50

0 50 100 150
Meters

Plot Projection:
NAD83, Zone 17
Samples (n=192)

Geochem plots by:
Mount Morgan Resources Ltd.,
Winnipeg, Manitoba

NAMEX HUFFMAN 2006 MMI-M SURVEY
AsRR



AsRR

54.00
25.00
10.00
7.50
5.00
2.50
1.00

Z-units:

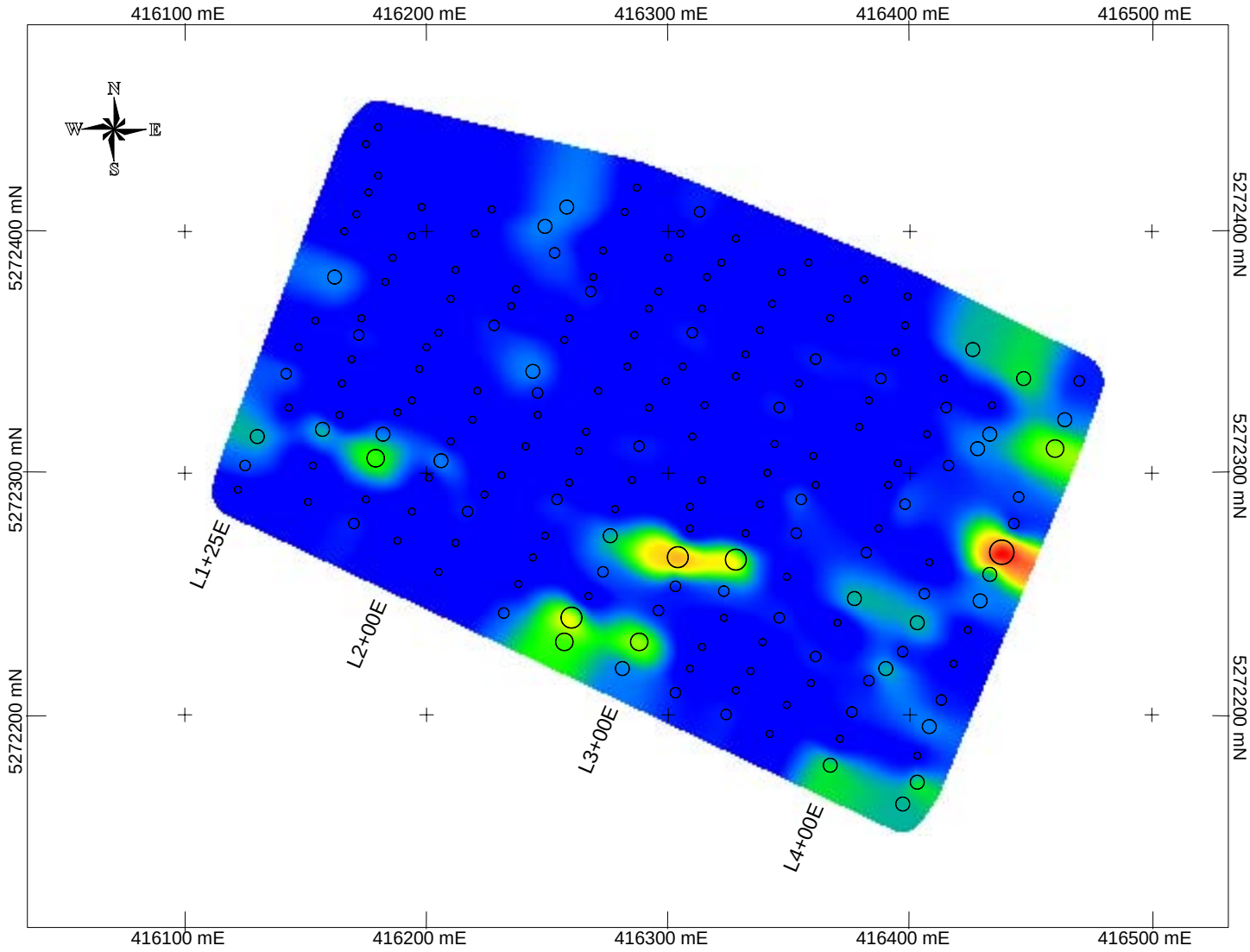
25 to 54
10 to 25
7.5 to 10
5 to 7.5
2.5 to 5
1 to 2.5

0 50 100 150
Meters

Plot Projection:
NAD83, Zone 17
Samples (n=192)

Geochem plots by:
Mount Morgan Resources Ltd.,
Winnipeg, Manitoba

NAMEX HUFFMAN 2006 MMI-M SURVEY
ThRR



ThRR

19.00
15.00
10.00
7.50
5.00
2.50
1.00

Z-units:

15 to 19
10 to 15
7.5 to 10
5 to 7.5
2.5 to 5
1 to 2.5

0 50 100 150
Meters

Plot Projection:
NAD83, Zone 17
Samples (n=192)

Geochem plots by:
Mount Morgan Resources Ltd.,
Winnipeg, Manitoba

Certificate of Analysis

Work Order: 091215

To: Namex Exploration Inc
Attn: James Hess
Suite #610
4333 Ste. Catherine West
MONTREAL
QUEBEC H3Z 1P9

Date: Nov 28, 2006

P.O. No.	
Project No.	DEFAULT
No. Of Samples	81
Date Submitted	Nov 06, 2006
Report Comprises	Pages 1 to 11 (Inclusive of Cover Sheet)

Distribution of unused material:

4

Certified By :

Stuart Lam
Operations Manager

ISO 9002 REGISTERED
ISO 17025 Accredited for Specific Tests. SCC No. 456

Report Footer:

L.N.R. = Listed not received
n.a. = Not applicable
I.S. = Insufficient Sample
-- = No result

*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted

Subject to SGS General Terms and Conditions

SGS

Final : 091215 Order:

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	1	10	0.1	10	1	10	10	5	5
Units	PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB
HM-06-116	6	252	<10	0.6	330	<1	<10	<10	162	75
HM-06-117	13	179	<10	0.6	420	<1	<10	<10	75	134
HM-06-118	21	171	<10	0.2	260	<1	<10	<10	75	35
HM-06-119	10	224	<10	0.2	330	<1	<10	<10	55	18
HM-06-120	13	203	<10	0.3	360	<1	<10	<10	45	61
HM-06-121	12	200	<10	0.2	350	<1	<10	<10	44	56
HM-06-122	7	138	20	6.5	420	<1	<10	<10	31	17
HM-06-123	11	126	<10	37.4	230	<1	<10	<10	22	48
HM-06-124	3	266	20	3.3	200	11	<10	10	20	14
HM-06-125	92	206	<10	1.0	480	<1	<10	<10	141	37
HM-06-126	10	227	<10	<0.1	480	<1	<10	<10	17	52
HM-06-127	17	225	<10	0.1	400	<1	<10	<10	96	28
HM-06-128	23	193	<10	<0.1	400	<1	<10	<10	68	49
HM-06-129	12	212	<10	<0.1	710	<1	<10	<10	43	53
HM-06-130	7	180	<10	<0.1	180	<1	<10	<10	52	21
HM-06-131	6	264	10	0.2	1000	<1	<10	<10	64	52
HM-06-132	4	191	<10	0.2	270	<1	<10	<10	114	17
HM-06-133	12	148	<10	0.2	300	<1	<10	<10	85	44
HM-06-134	5	248	<10	<0.1	650	<1	<10	<10	25	24
HM-06-135	22	172	<10	<0.1	340	<1	<10	<10	85	34
HM-06-136	12	240	<10	1.5	800	<1	<10	10	93	59
HM-06-137	7	195	<10	1.5	510	1	<10	<10	49	27
HM-06-138	157	202	10	9.1	190	2	<10	10	140	10
HM-06-139	10	120	50	3.7	410	21	<10	30	42	17
HM-06-140	2	183	10	1.4	340	9	<10	<10	9	6
HM-06-141	8	149	<10	1.3	500	<1	<10	<10	104	49
HM-06-142	32	218	<10	0.8	610	<1	<10	<10	104	147
HM-06-143	16	173	<10	0.3	170	<1	<10	<10	95	22
HM-06-144	19	224	<10	0.2	790	<1	50	<10	102	84
HM-06-145	8	185	<10	0.2	310	<1	<10	<10	27	38
HM-06-146	4	143	<10	0.4	110	<1	<10	10	<5	26
HM-06-147	2	130	<10	0.9	250	<1	<10	<10	14	9
HM-06-148	4	144	<10	0.4	190	<1	<10	<10	38	16
HM-06-149	11	241	<10	0.2	400	<1	<10	<10	69	82
HM-06-150	7	169	<10	1.5	620	<1	<10	<10	113	81
HM-06-151	2	204	<10	0.5	600	2	<10	<10	21	53
HM-06-152	6	174	<10	2.6	160	<1	<10	<10	41	<5
HM-06-153	4	185	20	0.8	220	12	<10	<10	31	8
HM-06-154	2	230	<10	0.5	390	3	<10	<10	8	17
HM-06-155	5	224	10	2.4	230	7	<10	<10	21	33
HM-06-156	10	219	<10	1.4	480	<1	20	10	138	60
HM-06-157	16	186	<10	1.2	700	<1	<10	20	292	84
HM-06-158	11	256	<10	0.7	690	<1	<10	<10	217	69
HM-06-159	2	198	30	0.5	960	3	<10	<10	101	14
HM-06-160	4	227	20	0.2	990	2	10	<10	76	25
HM-06-161	5	204	20	1.0	900	2	10	10	63	25
HM-06-162	7	121	10	5.1	840	1	<10	<10	28	43
HM-06-163	14	173	20	4.9	590	1	<10	<10	55	18

SGS

Final : 091215 Order:

Element Method Det.Lim. Units	Ag MMI-M5 1 PPB	Al MMI-M5 1 PPM	As MMI-M5 10 PPB	Au MMI-M5 0.1 PPB	Ba MMI-M5 10 PPB	Bi MMI-M5 1 PPB	Ca MMI-M5 10 PPM	Cd MMI-M5 10 PPB	Ce MMI-M5 5 PPB	Co MMI-M5 5 PPB
HM-06-164	298	91	<10	64.3	40	3	<10	<10	121	7
HM-06-165	3	128	<10	3.5	110	<1	<10	<10	46	<5
HM-06-166	28	172	<10	27.2	170	1	<10	<10	33	<5
HM-06-167	94	190	20	43.7	660	17	<10	30	42	111
HM-06-168	15	197	<10	0.5	610	1	20	<10	119	155
HM-06-169	12	106	<10	0.3	1330	<1	120	<10	507	29
HM-06-170	13	225	<10	0.3	220	<1	20	<10	146	30
HM-06-171	8	176	<10	1.5	200	<1	<10	<10	179	37
HM-06-172	8	178	<10	0.4	200	<1	<10	<10	48	45
HM-06-173	25	174	<10	0.2	190	<1	<10	<10	37	26
HM-06-174	25	224	<10	0.5	1210	<1	10	<10	668	8
HM-06-175	25	205	<10	0.4	610	<1	20	<10	70	35
HM-06-176	17	217	<10	3.2	540	4	<10	<10	39	10
HM-06-177	5	200	70	2.1	510	40	<10	10	76	29
HM-06-178	48	192	10	6.7	300	2	<10	<10	65	32
HM-06-179	3	77	<10	0.6	1060	<1	90	<10	127	99
HM-06-180	4	103	<10	0.6	110	<1	<10	<10	165	11
HM-06-181	1	218	50	<0.1	720	2	<10	20	34	15
HM-06-182	7	109	<10	0.4	260	<1	60	<10	102	23
HM-06-183	9	75	<10	3.2	830	1	140	<10	174	27
HM-06-184	5	91	<10	0.4	860	<1	200	20	125	58
HM-06-185	4	130	<10	0.7	410	<1	<10	<10	32	35
HM-06-186	<1	247	<10	0.1	320	<1	<10	10	13	11
HM-06-187	<1	204	<10	<0.1	310	<1	<10	<10	<5	14
HM-06-188	20	42	<10	2.8	120	<1	<10	<10	69	44
HM-06-189	43	155	270	2.2	780	77	30	30	61	53
HM-06-190	32	167	<10	0.7	230	<1	<10	<10	97	53
HM-06-191	6	191	<10	0.2	250	<1	<10	<10	12	117
HM-06-192	35	211	10	2.2	430	2	<10	<10	137	41
HM-06-193	45	190	<10	1.3	230	<1	<10	<10	101	104
HM-06-194	26	129	<10	1.0	1270	<1	80	<10	561	20
HM-06-195	39	86	<10	3.3	330	<1	110	<10	623	52
HM-06-196	17	181	<10	0.9	500	<1	40	<10	34	46
*Dup HM-06-116	3	192	<10	0.4	310	<1	<10	<10	127	68
*Dup HM-06-128	19	181	<10	<0.1	290	<1	<10	<10	72	34
*Dup HM-06-140	2	178	<10	1.3	360	7	<10	<10	11	10
*Dup HM-06-152	5	164	<10	2.2	180	<1	<10	<10	29	<5
*Dup HM-06-164	235	82	<10	65.1	20	2	<10	<10	237	<5
*Dup HM-06-176	18	223	<10	3.2	420	4	<10	<10	33	16
*Dup HM-06-188	16	36	<10	2.4	120	<1	<10	<10	53	38

SGS

Final : 091215 Order:

Element	Cr	Cu	Dy	Er	Eu	Fe	Gd	La	Li	Mg
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	100	10	1	0.5	0.5	1	1	1	5	1
Units	PPB	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPM
HM-06-116	<100	620	12	6.5	4.2	91	15	70	<5	<1
HM-06-117	<100	310	13	7.6	2.8	39	11	31	<5	<1
HM-06-118	<100	240	19	11.3	4.2	26	15	39	<5	<1
HM-06-119	<100	140	10	6.0	2.4	72	9	34	<5	<1
HM-06-120	<100	150	12	7.7	2.2	38	8	17	<5	<1
HM-06-121	<100	150	13	8.0	2.3	37	8	17	<5	<1
HM-06-122	<100	2130	3	1.4	1.3	307	4	15	<5	<1
HM-06-123	<100	2980	3	1.3	1.1	197	3	9	<5	<1
HM-06-124	<100	160	2	1.5	0.5	38	2	22	8	2
HM-06-125	300	350	15	6.7	6.1	80	20	86	<5	<1
HM-06-126	<100	90	4	3.7	0.8	75	3	10	<5	2
HM-06-127	<100	60	11	5.0	3.8	50	12	41	<5	<1
HM-06-128	<100	130	13	7.0	3.4	35	13	27	<5	<1
HM-06-129	<100	110	7	4.0	1.9	85	7	17	5	<1
HM-06-130	<100	130	13	6.5	3.0	20	11	18	<5	<1
HM-06-131	200	90	7	4.7	2.5	201	8	34	8	<1
HM-06-132	<100	420	12	6.3	3.6	48	12	61	<5	<1
HM-06-133	<100	190	14	7.1	4.8	23	16	37	<5	<1
HM-06-134	<100	100	4	2.6	1.0	75	3	11	<5	<1
HM-06-135	<100	100	16	7.4	4.4	13	14	31	<5	<1
HM-06-136	<100	600	13	6.4	4.0	79	14	41	<5	<1
HM-06-137	<100	900	5	2.9	1.6	147	6	22	<5	4
HM-06-138	<100	1590	32	16.5	9.3	37	33	53	<5	<1
HM-06-139	<100	1620	3	1.6	1.3	53	4	21	<5	<1
HM-06-140	<100	780	<1	<0.5	<0.5	101	<1	4	<5	<1
HM-06-141	<100	650	4	2.2	2.2	240	7	54	<5	3
HM-06-142	<100	350	15	7.7	3.9	54	14	39	8	2
HM-06-143	<100	140	19	10.2	5.4	22	19	48	<5	<1
HM-06-144	<100	130	11	5.0	3.9	85	14	50	<5	5
HM-06-145	<100	270	5	4.1	1.0	47	3	13	5	<1
HM-06-146	<100	220	4	4.3	<0.5	36	2	<1	<5	<1
HM-06-147	<100	660	1	0.7	<0.5	191	1	6	<5	<1
HM-06-148	<100	580	3	1.9	1.2	256	4	17	<5	<1
HM-06-149	<100	260	17	10.6	3.1	73	12	27	<5	2
HM-06-150	<100	1950	12	7.8	3.6	131	12	62	<5	1
HM-06-151	<100	170	2	1.6	0.7	97	2	11	<5	3
HM-06-152	<100	930	5	2.4	1.5	112	5	17	<5	<1
HM-06-153	<100	550	3	1.4	1.2	57	3	15	<5	<1
HM-06-154	<100	140	<1	<0.5	<0.5	80	<1	3	<5	2
HM-06-155	<100	1580	5	3.7	1.2	75	4	9	<5	<1
HM-06-156	<100	420	15	6.2	5.6	86	20	58	7	4
HM-06-157	<100	530	37	17.8	11.7	50	42	107	<5	<1
HM-06-158	100	570	15	8.5	4.7	76	16	71	<5	<1
HM-06-159	<100	240	13	4.9	5.0	244	18	49	<5	<1
HM-06-160	200	250	7	3.0	2.6	113	8	38	18	6
HM-06-161	100	310	6	3.0	2.2	120	7	31	17	6
HM-06-162	<100	1170	3	1.9	1.3	325	4	11	<5	7
HM-06-163	<100	1180	5	2.1	2.1	292	7	26	<5	<1

SGS

Final : 091215 Order:

Element	Cr	Cu	Dy	Er	Eu	Fe	Gd	La	Li	Mg
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	100	10	1	0.5	0.5	1	1	1	5	1
Units	PPB	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPM
HM-06-164	<100	1020	37	21.0	13.1	16	47	38	<5	<1
HM-06-165	<100	1670	5	2.8	1.7	168	5	19	<5	<1
HM-06-166	<100	3660	4	2.2	1.4	107	4	14	<5	<1
HM-06-167	<100	2200	5	3.9	1.3	190	4	18	<5	4
HM-06-168	<100	1010	42	23.1	6.6	140	28	40	<5	11
HM-06-169	<100	810	51	25.3	18.2	42	73	180	<5	29
HM-06-170	<100	250	16	6.6	5.3	21	19	46	<5	1
HM-06-171	<100	540	18	7.7	6.3	76	22	71	<5	<1
HM-06-172	<100	340	7	4.2	1.9	31	6	19	<5	<1
HM-06-173	<100	80	9	4.1	2.4	21	9	23	<5	<1
HM-06-174	<100	860	34	13.7	15.5	51	56	252	<5	2
HM-06-175	<100	230	13	5.5	3.7	55	13	25	<5	2
HM-06-176	<100	2000	4	2.0	1.4	114	5	17	<5	<1
HM-06-177	200	1290	8	4.2	2.8	122	9	35	9	4
HM-06-178	<100	950	10	5.1	3.3	82	11	29	<5	<1
HM-06-179	<100	380	13	5.6	5.4	54	20	48	<5	20
HM-06-180	<100	160	17	8.1	6.9	16	24	58	<5	<1
HM-06-181	<100	170	6	2.7	1.7	161	5	16	7	2
HM-06-182	<100	160	15	7.0	5.7	43	19	43	<5	3
HM-06-183	<100	900	28	10.4	11.6	24	43	75	<5	15
HM-06-184	<100	160	18	7.4	6.8	45	26	52	9	28
HM-06-185	<100	380	7	3.7	1.9	101	7	11	<5	2
HM-06-186	<100	100	3	1.7	0.8	56	2	4	<5	3
HM-06-187	<100	190	1	1.3	<0.5	138	<1	<1	13	3
HM-06-188	<100	270	13	7.2	4.2	11	14	23	<5	<1
HM-06-189	200	400	7	3.4	2.2	219	8	23	<5	5
HM-06-190	<100	310	12	5.6	4.2	29	15	35	<5	<1
HM-06-191	<100	160	2	2.2	0.6	135	2	5	<5	2
HM-06-192	<100	610	9	3.9	3.9	86	13	55	<5	<1
HM-06-193	<100	370	13	5.7	4.4	28	16	42	<5	<1
HM-06-194	<100	600	29	13.1	13.3	36	49	177	<5	8
HM-06-195	<100	690	43	16.1	22.3	16	81	216	<5	10
HM-06-196	<100	180	8	4.2	2.0	70	7	14	<5	6
*Dup HM-06-116	<100	760	11	5.8	3.4	148	13	54	<5	<1
*Dup HM-06-128	<100	100	13	6.2	3.5	28	13	28	<5	<1
*Dup HM-06-140	<100	780	<1	<0.5	<0.5	103	<1	5	<5	<1
*Dup HM-06-152	<100	870	3	1.6	1.2	137	4	11	<5	<1
*Dup HM-06-164	<100	970	42	23.2	16.7	11	61	77	<5	<1
*Dup HM-06-176	<100	1840	5	2.8	1.3	99	4	15	<5	<1
*Dup HM-06-188	<100	230	11	5.6	3.8	11	13	18	<5	<1

SGS

Final : 091215 Order:

Element	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Rb	Sb	Sc
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	5	0.5	1	5	10	1	1	5	1	5
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
HM-06-116	9	6.0	69	127	120	<1	19	75	<1	26
HM-06-117	6	1.6	37	154	210	<1	10	82	<1	20
HM-06-118	5	1.1	57	97	230	<1	14	67	<1	25
HM-06-119	7	3.2	31	72	140	<1	9	85	<1	22
HM-06-120	7	1.4	23	101	230	<1	6	87	<1	21
HM-06-121	7	1.3	25	98	210	<1	6	86	<1	19
HM-06-122	56	3.5	13	130	450	<1	4	59	3	6
HM-06-123	42	1.0	9	154	660	<1	3	97	2	9
HM-06-124	61	3.3	6	55	560	<1	2	27	60	18
HM-06-125	43	9.9	82	83	1300	<1	21	109	2	34
HM-06-126	<5	2.9	8	79	130	<1	2	51	<1	10
HM-06-127	8	6.1	47	110	140	<1	12	97	<1	17
HM-06-128	<5	1.6	43	203	260	<1	10	149	<1	17
HM-06-129	<5	2.9	23	175	150	<1	6	112	<1	9
HM-06-130	<5	0.8	34	87	220	<1	8	89	<1	20
HM-06-131	9	16.8	33	138	280	<1	9	56	1	41
HM-06-132	<5	2.4	54	36	130	<1	15	19	<1	30
HM-06-133	<5	1.2	60	88	240	<1	14	144	<1	23
HM-06-134	<5	5.3	10	117	90	<1	3	71	<1	15
HM-06-135	5	0.7	53	97	240	<1	13	64	<1	25
HM-06-136	22	3.4	45	116	940	<1	12	50	6	16
HM-06-137	15	5.0	22	114	90	<1	6	56	4	14
HM-06-138	83	3.6	98	24	8430	<1	22	122	38	43
HM-06-139	213	3.1	18	30	1760	<1	6	68	60	16
HM-06-140	71	2.2	2	26	130	<1	1	60	10	11
HM-06-141	51	2.9	43	125	30	<1	13	40	1	13
HM-06-142	14	1.7	52	279	270	<1	13	179	<1	25
HM-06-143	7	1.3	70	57	220	<1	16	79	<1	25
HM-06-144	8	6.7	55	154	220	<1	14	137	<1	23
HM-06-145	<5	1.0	11	62	120	<1	3	69	<1	11
HM-06-146	<5	1.1	2	35	330	<1	<1	130	<1	15
HM-06-147	6	1.4	5	41	20	<1	2	91	<1	6
HM-06-148	6	2.1	16	81	<10	<1	5	77	1	11
HM-06-149	10	7.1	40	184	410	<1	10	124	1	31
HM-06-150	26	2.1	57	212	140	<1	16	51	4	19
HM-06-151	15	6.9	7	66	190	<1	2	72	1	32
HM-06-152	21	2.6	18	24	80	<1	5	60	4	19
HM-06-153	168	12.5	13	22	1420	<1	4	36	69	18
HM-06-154	18	1.8	2	37	90	<1	<1	44	4	10
HM-06-155	101	7.6	9	55	4300	<1	3	62	34	24
HM-06-156	16	7.7	70	111	570	<1	18	60	5	26
HM-06-157	8	3.1	173	129	310	<1	40	56	1	33
HM-06-158	<5	3.7	76	84	180	<1	20	53	1	43
HM-06-159	5	1.4	49	38	380	<1	13	17	1	9
HM-06-160	28	37.6	34	97	380	<1	10	80	2	63
HM-06-161	28	38.0	31	100	330	1	8	77	2	56
HM-06-162	18	3.2	13	172	80	<1	3	68	7	12
HM-06-163	24	6.9	24	65	160	<1	7	41	8	12

SGS

Final : 091215 Order:

Element	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Rb	Sb	Sc
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	5	0.5	1	5	10	1	1	5	1	5
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
HM-06-164	116	<0.5	157	13	6540	<1	29	101	5	44
HM-06-165	89	1.4	21	19	50	<1	6	110	14	22
HM-06-166	47	1.2	15	21	930	<1	4	95	13	19
HM-06-167	37	7.7	17	139	1090	<1	5	58	1	20
HM-06-168	24	7.4	68	195	580	<1	15	60	1	39
HM-06-169	19	2.0	302	147	440	<1	70	29	<1	34
HM-06-170	6	1.2	76	147	230	<1	19	48	<1	13
HM-06-171	10	2.8	87	55	140	<1	23	48	1	25
HM-06-172	8	0.9	23	73	200	<1	6	115	<1	16
HM-06-173	8	0.8	31	128	210	<1	8	67	<1	12
HM-06-174	18	5.2	297	64	150	<1	78	43	3	28
HM-06-175	12	1.8	43	136	240	<1	10	71	<1	11
HM-06-176	55	4.8	16	32	1540	<1	5	82	4	14
HM-06-177	182	28.8	37	82	490	<1	10	44	3	52
HM-06-178	48	5.1	37	26	860	<1	9	41	14	26
HM-06-179	11	1.0	72	157	260	<1	18	70	1	8
HM-06-180	<5	<0.5	102	27	200	<1	25	31	<1	22
HM-06-181	8	8.3	15	56	360	<1	4	54	<1	23
HM-06-182	<5	1.4	61	54	210	<1	14	33	<1	21
HM-06-183	8	<0.5	108	297	400	<1	25	7	<1	16
HM-06-184	5	1.2	78	137	320	<1	18	20	<1	8
HM-06-185	<5	0.7	16	144	90	<1	4	36	<1	12
HM-06-186	<5	2.2	6	49	420	<1	2	8	<1	8
HM-06-187	<5	1.9	1	47	110	<1	<1	116	<1	10
HM-06-188	10	<0.5	51	90	260	<1	11	50	<1	23
HM-06-189	77	15.9	30	133	910	<1	8	11	92	30
HM-06-190	19	1.3	60	51	390	<1	14	49	1	16
HM-06-191	6	3.3	4	90	110	<1	2	13	<1	14
HM-06-192	56	9.8	62	44	360	<1	16	95	4	18
HM-06-193	17	1.1	59	93	180	<1	14	124	<1	15
HM-06-194	32	3.6	249	58	170	<1	63	71	1	19
HM-06-195	13	0.6	394	58	90	<1	91	24	<1	24
HM-06-196	8	2.8	20	99	230	<1	5	46	<1	17
*Dup HM-06-116	6	2.2	53	109	100	<1	15	69	1	18
*Dup HM-06-128	<5	0.6	48	169	240	<1	12	146	<1	18
*Dup HM-06-140	66	1.5	3	22	160	<1	1	62	7	15
*Dup HM-06-152	17	2.4	12	24	70	<1	4	60	3	17
*Dup HM-06-164	123	<0.5	248	10	6430	<1	51	102	5	41
*Dup HM-06-176	45	3.9	15	34	2250	<1	4	77	4	12
*Dup HM-06-188	10	<0.5	42	69	230	<1	9	42	<1	17

SGS

Final : 091215 Order:

Element	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	1	10	1	1	10	0.5	3	0.5	1
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
HM-06-116	14	<1	30	2	3	<10	20.5	641	<0.5	9
HM-06-117	9	<1	<10	<1	2	<10	11.1	323	<0.5	5
HM-06-118	13	<1	<10	<1	3	<10	5.3	209	<0.5	4
HM-06-119	8	<1	30	<1	2	<10	10.8	765	<0.5	4
HM-06-120	7	<1	10	<1	2	<10	6.3	285	<0.5	5
HM-06-121	7	<1	10	<1	2	<10	5.9	302	<0.5	5
HM-06-122	4	<1	40	<1	<1	<10	9.9	470	<0.5	7
HM-06-123	3	<1	<10	<1	<1	<10	9.8	193	<0.5	7
HM-06-124	2	<1	40	<1	<1	<10	5.9	724	<0.5	3
HM-06-125	18	<1	<10	<1	3	<10	10.8	3600	<0.5	5
HM-06-126	2	<1	160	<1	<1	<10	2.6	753	<0.5	2
HM-06-127	11	<1	70	<1	2	<10	7.7	521	<0.5	4
HM-06-128	11	<1	90	<1	2	<10	6.6	328	<0.5	3
HM-06-129	6	<1	150	<1	1	<10	5.9	410	<0.5	2
HM-06-130	9	<1	<10	<1	2	<10	7.9	151	<0.5	4
HM-06-131	8	2	40	1	1	<10	16.5	6060	<0.5	5
HM-06-132	12	<1	<10	<1	2	<10	10.4	545	<0.5	4
HM-06-133	15	<1	<10	<1	2	<10	7.2	380	<0.5	3
HM-06-134	3	<1	80	<1	<1	<10	4.3	1550	<0.5	2
HM-06-135	13	<1	<10	<1	3	<10	7.2	92	<0.5	3
HM-06-136	12	<1	80	<1	3	<10	15.2	896	<0.5	12
HM-06-137	5	<1	180	<1	<1	<10	8.1	1250	<0.5	7
HM-06-138	26	<1	<10	<1	6	<10	11.0	1040	<0.5	14
HM-06-139	4	1	70	<1	<1	<10	22.2	521	<0.5	16
HM-06-140	<1	<1	80	<1	<1	<10	14.8	503	<0.5	30
HM-06-141	8	<1	220	<1	<1	<10	11.1	820	<0.5	5
HM-06-142	13	<1	240	<1	3	<10	11.5	395	<0.5	6
HM-06-143	17	<1	<10	<1	3	<10	9.0	353	<0.5	4
HM-06-144	13	<1	330	<1	2	<10	15.4	2280	<0.5	4
HM-06-145	3	<1	20	<1	<1	<10	4.9	139	<0.5	3
HM-06-146	<1	<1	<10	<1	<1	<10	3.7	359	<0.5	4
HM-06-147	1	<1	<10	<1	<1	<10	7.1	329	<0.5	4
HM-06-148	4	<1	<10	<1	<1	<10	6.3	560	<0.5	3
HM-06-149	10	<1	40	<1	2	<10	9.9	2400	<0.5	4
HM-06-150	11	<1	90	<1	2	<10	21.6	581	0.6	15
HM-06-151	2	<1	200	<1	<1	<10	11.9	1920	<0.5	5
HM-06-152	4	<1	<10	<1	<1	<10	9.6	443	<0.5	7
HM-06-153	3	5	30	<1	<1	<10	13.0	4070	<0.5	9
HM-06-154	<1	<1	180	<1	<1	<10	5.1	419	<0.5	3
HM-06-155	3	<1	50	<1	<1	<10	10.1	2210	<0.5	13
HM-06-156	17	<1	180	<1	3	<10	17.3	2200	<0.5	11
HM-06-157	41	<1	80	<1	7	<10	25.2	866	<0.5	10
HM-06-158	17	<1	<10	<1	3	<10	24.8	895	<0.5	7
HM-06-159	14	<1	90	<1	3	<10	9.4	264	<0.5	12
HM-06-160	8	12	260	3	1	<10	11.5	15200	<0.5	5
HM-06-161	7	11	260	3	1	<10	11.4	14100	<0.5	6
HM-06-162	3	<1	210	1	<1	<10	9.0	592	<0.5	8
HM-06-163	6	<1	40	1	1	<10	11.7	961	<0.5	8

Element Method Det.Lim. Units	Sm MMI-M5 1 PPB	Sn MMI-M5 1 PPB	Sr MMI-M5 10 PPB	Ta MMI-M5 1 PPB	Tb MMI-M5 1 PPB	Te MMI-M5 10 PPB	Th MMI-M5 0.5 PPB	Ti MMI-M5 3 PPB	Tl MMI-M5 0.5 PPB	U MMI-M5 1 PPB
HM-06-164	43	<1	<10	<1	7	<10	3.2	69	<0.5	9
HM-06-165	5	<1	<10	<1	<1	<10	11.8	278	<0.5	20
HM-06-166	4	<1	<10	<1	<1	<10	9.0	184	<0.5	14
HM-06-167	4	<1	200	<1	<1	<10	9.0	1400	<0.5	5
HM-06-168	19	<1	280	<1	6	<10	24.5	1860	<0.5	13
HM-06-169	67	<1	760	<1	11	<10	40.0	432	<0.5	12
HM-06-170	18	<1	90	<1	3	<10	9.3	185	<0.5	5
HM-06-171	20	<1	10	<1	4	<10	16.7	652	<0.5	16
HM-06-172	6	<1	<10	<1	1	<10	8.7	176	<0.5	5
HM-06-173	8	<1	50	<1	2	<10	4.3	202	<0.5	3
HM-06-174	58	<1	80	<1	8	<10	28.8	1230	<0.5	12
HM-06-175	11	<1	190	<1	2	<10	5.3	458	<0.5	2
HM-06-176	4	<1	20	<1	<1	<10	10.3	914	<0.5	7
HM-06-177	9	8	120	2	1	<10	12.8	9480	<0.5	8
HM-06-178	10	<1	<10	<1	2	<10	11.4	1240	<0.5	7
HM-06-179	18	<1	460	<1	3	<10	8.4	142	<0.5	8
HM-06-180	22	<1	<10	<1	3	<10	5.1	75	<0.5	5
HM-06-181	4	<1	60	<1	<1	<10	8.3	1430	<0.5	4
HM-06-182	16	<1	210	<1	3	<10	8.5	229	<0.5	10
HM-06-183	33	<1	340	<1	6	<10	8.1	62	<0.5	31
HM-06-184	21	<1	590	<1	4	<10	4.9	195	<0.5	6
HM-06-185	5	<1	150	<1	1	<10	6.0	78	<0.5	8
HM-06-186	2	<1	60	<1	<1	<10	2.7	365	<0.5	1
HM-06-187	<1	<1	70	<1	<1	<10	4.4	237	<0.5	3
HM-06-188	13	<1	<10	<1	2	<10	2.2	17	<0.5	4
HM-06-189	7	1	150	<1	1	<10	21.6	2560	<0.5	6
HM-06-190	15	<1	<10	<1	2	<10	8.7	274	<0.5	4
HM-06-191	1	<1	60	<1	<1	<10	4.6	529	<0.5	2
HM-06-192	13	1	10	<1	2	<10	16.8	3180	0.5	12
HM-06-193	15	<1	10	<1	2	<10	11.0	266	<0.5	4
HM-06-194	51	<1	300	<1	7	<10	30.3	724	<0.5	8
HM-06-195	87	<1	370	<1	10	<10	20.8	140	<0.5	7
HM-06-196	5	<1	410	<1	1	<10	6.3	802	<0.5	2
*Dup HM-06-116	12	<1	40	<1	2	<10	13.8	557	<0.5	6
*Dup HM-06-128	11	<1	60	<1	2	<10	4.8	91	<0.5	2
*Dup HM-06-140	<1	<1	90	<1	<1	<10	13.1	353	<0.5	25
*Dup HM-06-152	3	<1	<10	<1	<1	<10	7.7	355	<0.5	5
*Dup HM-06-164	58	<1	<10	<1	8	<10	3.0	39	<0.5	8
*Dup HM-06-176	4	<1	<10	<1	<1	<10	9.4	748	<0.5	7
*Dup HM-06-188	11	<1	<10	<1	2	<10	2.0	11	<0.5	3

SGS

Final : 091215 Order:

Element	W	Y	Yb	Zn	Zr
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	5	1	20	5
Units	PPB	PPB	PPB	PPB	PPB
HM-06-116	2	54	5	120	41
HM-06-117	1	65	6	160	19
HM-06-118	<1	117	9	<20	14
HM-06-119	<1	48	5	70	23
HM-06-120	<1	67	7	80	15
HM-06-121	<1	69	7	60	14
HM-06-122	<1	11	1	90	32
HM-06-123	<1	11	1	110	29
HM-06-124	3	11	1	690	45
HM-06-125	<1	70	5	190	58
HM-06-126	<1	24	3	390	10
HM-06-127	<1	57	4	70	26
HM-06-128	<1	67	4	170	16
HM-06-129	<1	33	3	60	12
HM-06-130	<1	62	5	20	16
HM-06-131	1	35	4	160	54
HM-06-132	<1	59	5	90	24
HM-06-133	<1	69	5	110	15
HM-06-134	<1	21	2	70	17
HM-06-135	<1	75	6	90	15
HM-06-136	<1	52	5	530	39
HM-06-137	<1	25	3	90	21
HM-06-138	<1	152	12	420	32
HM-06-139	4	15	1	540	40
HM-06-140	1	<5	<1	70	15
HM-06-141	<1	18	2	60	19
HM-06-142	<1	79	6	70	23
HM-06-143	<1	103	8	30	16
HM-06-144	<1	46	4	80	34
HM-06-145	<1	26	4	70	10
HM-06-146	<1	25	4	230	8
HM-06-147	<1	6	<1	40	19
HM-06-148	<1	16	2	<20	20
HM-06-149	<1	97	9	190	26
HM-06-150	<1	55	7	30	21
HM-06-151	<1	10	2	480	24
HM-06-152	<1	17	2	100	24
HM-06-153	2	13	1	330	35
HM-06-154	<1	<5	<1	150	17
HM-06-155	<1	26	3	290	32
HM-06-156	<1	64	4	340	60
HM-06-157	<1	180	13	340	32
HM-06-158	<1	61	8	340	48
HM-06-159	<1	56	4	20	87
HM-06-160	2	31	3	460	77
HM-06-161	2	28	3	540	76
HM-06-162	2	14	2	70	33
HM-06-163	1	19	2	60	52

Element Method Det.Lim. Units	W MMI-M5 1 PPB	Y MMI-M5 5 PPB	Yb MMI-M5 1 PPB	Zn MMI-M5 20 PPB	Zr MMI-M5 5 PPB
HM-06-164	<1	190	17	180	7
HM-06-165	<1	22	2	40	23
HM-06-166	<1	17	2	50	28
HM-06-167	<1	25	3	650	26
HM-06-168	<1	218	15	80	28
HM-06-169	<1	288	17	30	23
HM-06-170	<1	72	5	20	18
HM-06-171	1	71	6	30	47
HM-06-172	<1	32	3	60	17
HM-06-173	<1	42	3	<20	10
HM-06-174	<1	149	10	<20	42
HM-06-175	<1	62	4	40	11
HM-06-176	<1	16	2	100	34
HM-06-177	3	36	3	500	68
HM-06-178	<1	42	4	220	33
HM-06-179	<1	60	4	470	14
HM-06-180	<1	88	6	70	9
HM-06-181	<1	25	2	420	40
HM-06-182	<1	69	5	30	22
HM-06-183	<1	132	7	30	54
HM-06-184	<1	86	5	130	14
HM-06-185	<1	35	3	<20	21
HM-06-186	<1	16	1	520	11
HM-06-187	<1	6	2	260	13
HM-06-188	<1	74	5	50	<5
HM-06-189	1	27	2	1370	39
HM-06-190	<1	53	4	70	18
HM-06-191	<1	13	3	190	10
HM-06-192	<1	38	3	70	46
HM-06-193	<1	59	4	30	21
HM-06-194	<1	130	10	40	35
HM-06-195	<1	176	11	20	20
HM-06-196	<1	46	3	20	13
*Dup HM-06-116	<1	46	4	110	27
*Dup HM-06-128	<1	66	4	220	10
*Dup HM-06-140	<1	<5	<1	130	14
*Dup HM-06-152	<1	12	2	80	19
*Dup HM-06-164	<1	236	18	140	7
*Dup HM-06-176	<1	23	2	90	26
*Dup HM-06-188	<1	65	4	50	<5

Certificate of Analysis

Work Order: 091215

To: Namex Exploration Inc
Attn: James Hess
Suite #610
4333 Ste. Catherine West
MONTREAL
QUEBEC H3Z 1P9

Date: Nov 28, 2006

P.O. No.	
Project No.	DEFAULT
No. Of Samples	81
Date Submitted	Nov 06, 2006
Report Comprises	Pages 1 to 11 (Inclusive of Cover Sheet)

Distribution of unused material:

4

Certified By :

Stuart Lam
Operations Manager

ISO 9002 REGISTERED
ISO 17025 Accredited for Specific Tests. SCC No. 456

Report Footer:

L.N.R. = Listed not received
n.a. = Not applicable
I.S. = Insufficient Sample
– = No result

*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted

Element Method Det.Lim. Units	Ag MMI-M5 1 PPB	Al MMI-M5 1 PPM	As MMI-M5 10 PPB	Au MMI-M5 0.1 PPB	Ba MMI-M5 10 PPB	Bi MMI-M5 1 PPB	Ca MMI-M5 10 PPM	Cd MMI-M5 10 PPB	Ce MMI-M5 5 PPB	Co MMI-M5 5 PPB
HM-06-116	6	252	<10	0.6	330	<1	<10	<10	162	75
HM-06-117	13	179	<10	0.6	420	<1	<10	<10	75	134
HM-06-118	21	171	<10	0.2	260	<1	<10	<10	75	35
HM-06-119	10	224	<10	0.2	330	<1	<10	<10	55	18
HM-06-120	13	203	<10	0.3	360	<1	<10	<10	45	61
HM-06-121	12	200	<10	0.2	350	<1	<10	<10	44	56
HM-06-122	7	138	20	6.5	420	<1	<10	<10	31	17
HM-06-123	11	126	<10	37.4	230	<1	<10	<10	22	48
HM-06-124	3	266	20	3.3	200	11	<10	10	20	14
HM-06-125	92	206	<10	1.0	480	<1	<10	<10	141	37
HM-06-126	10	227	<10	<0.1	480	<1	<10	<10	17	52
HM-06-127	17	225	<10	0.1	400	<1	<10	<10	96	28
HM-06-128	23	193	<10	<0.1	400	<1	<10	<10	68	49
HM-06-129	12	212	<10	<0.1	710	<1	<10	<10	43	53
HM-06-130	7	180	<10	<0.1	180	<1	<10	<10	52	21
HM-06-131	6	264	10	0.2	1000	<1	<10	<10	64	52
HM-06-132	4	191	<10	0.2	270	<1	<10	<10	114	17
HM-06-133	12	148	<10	0.2	300	<1	<10	<10	85	44
HM-06-134	5	248	<10	<0.1	650	<1	<10	<10	25	24
HM-06-135	22	172	<10	<0.1	340	<1	<10	<10	85	34
HM-06-136	12	240	<10	1.5	800	<1	<10	10	93	59
HM-06-137	7	195	<10	1.5	510	1	<10	<10	49	27
HM-06-138	157	202	10	9.1	190	2	<10	10	140	10
HM-06-139	10	120	50	3.7	410	21	<10	30	42	17
HM-06-140	2	183	10	1.4	340	9	<10	<10	9	6
HM-06-141	8	149	<10	1.3	500	<1	<10	<10	104	49
HM-06-142	32	218	<10	0.8	610	<1	<10	<10	104	147
HM-06-143	16	173	<10	0.3	170	<1	<10	<10	95	22
HM-06-144	19	224	<10	0.2	790	<1	50	<10	102	84
HM-06-145	8	185	<10	0.2	310	<1	<10	<10	27	38
HM-06-146	4	143	<10	0.4	110	<1	<10	10	<5	26
HM-06-147	2	130	<10	0.9	250	<1	<10	<10	14	9
HM-06-148	4	144	<10	0.4	190	<1	<10	<10	38	16
HM-06-149	11	241	<10	0.2	400	<1	<10	<10	69	82
HM-06-150	7	169	<10	1.5	620	<1	<10	<10	113	81
HM-06-151	2	204	<10	0.5	600	2	<10	<10	21	53
HM-06-152	6	174	<10	2.6	160	<1	<10	<10	41	<5
HM-06-153	4	185	20	0.8	220	12	<10	<10	31	8
HM-06-154	2	230	<10	0.5	390	3	<10	<10	8	17
HM-06-155	5	224	10	2.4	230	7	<10	<10	21	33
HM-06-156	10	219	<10	1.4	480	<1	20	10	138	60
HM-06-157	16	186	<10	1.2	700	<1	<10	20	292	84
HM-06-158	11	256	<10	0.7	690	<1	<10	<10	217	69
HM-06-159	2	198	30	0.5	960	3	<10	<10	101	14
HM-06-160	4	227	20	0.2	990	2	10	<10	76	25
HM-06-161	5	204	20	1.0	900	2	10	10	63	25
HM-06-162	7	121	10	5.1	840	1	<10	<10	28	43
HM-06-163	14	173	20	4.9	590	1	<10	<10	55	18

SGS

Final : 091215 Order:

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	1	10	0.1	10	1	10	10	5	5
Units	PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB
HM-06-164	298	91	<10	64.3	40	3	<10	<10	121	7
HM-06-165	3	128	<10	3.5	110	<1	<10	<10	46	<5
HM-06-166	28	172	<10	27.2	170	1	<10	<10	33	<5
HM-06-167	94	190	20	43.7	660	17	<10	30	42	111
HM-06-168	15	197	<10	0.5	610	1	20	<10	119	155
HM-06-169	12	106	<10	0.3	1330	<1	120	<10	507	29
HM-06-170	13	225	<10	0.3	220	<1	20	<10	146	30
HM-06-171	8	176	<10	1.5	200	<1	<10	<10	179	37
HM-06-172	8	178	<10	0.4	200	<1	<10	<10	48	45
HM-06-173	25	174	<10	0.2	190	<1	<10	<10	37	26
HM-06-174	25	224	<10	0.5	1210	<1	10	<10	668	8
HM-06-175	25	205	<10	0.4	610	<1	20	<10	70	35
HM-06-176	17	217	<10	3.2	540	4	<10	<10	39	10
HM-06-177	5	200	70	2.1	510	40	<10	10	76	29
HM-06-178	48	192	10	6.7	300	2	<10	<10	65	32
HM-06-179	3	77	<10	0.6	1060	<1	90	<10	127	99
HM-06-180	4	103	<10	0.6	110	<1	<10	<10	165	11
HM-06-181	1	218	50	<0.1	720	2	<10	20	34	15
HM-06-182	7	109	<10	0.4	260	<1	60	<10	102	23
HM-06-183	9	75	<10	3.2	830	1	140	<10	174	27
HM-06-184	5	91	<10	0.4	860	<1	200	20	125	58
HM-06-185	4	130	<10	0.7	410	<1	<10	<10	32	35
HM-06-186	<1	247	<10	0.1	320	<1	<10	10	13	11
HM-06-187	<1	204	<10	<0.1	310	<1	<10	<10	<5	14
HM-06-188	20	42	<10	2.8	120	<1	<10	<10	69	44
HM-06-189	43	155	270	2.2	780	77	30	30	61	53
HM-06-190	32	167	<10	0.7	230	<1	<10	<10	97	53
HM-06-191	6	191	<10	0.2	250	<1	<10	<10	12	117
HM-06-192	35	211	10	2.2	430	2	<10	<10	137	41
HM-06-193	45	190	<10	1.3	230	<1	<10	<10	101	104
HM-06-194	26	129	<10	1.0	1270	<1	80	<10	561	20
HM-06-195	39	86	<10	3.3	330	<1	110	<10	623	52
HM-06-196	17	181	<10	0.9	500	<1	40	<10	34	46
*Dup HM-06-116	3	192	<10	0.4	310	<1	<10	<10	127	68
*Dup HM-06-128	19	181	<10	<0.1	290	<1	<10	<10	72	34
*Dup HM-06-140	2	178	<10	1.3	360	7	<10	<10	11	10
*Dup HM-06-152	5	164	<10	2.2	180	<1	<10	<10	29	<5
*Dup HM-06-164	235	82	<10	65.1	20	2	<10	<10	237	<5
*Dup HM-06-176	18	223	<10	3.2	420	4	<10	<10	33	16
*Dup HM-06-188	16	36	<10	2.4	120	<1	<10	<10	53	38

SGS

Final : 091215 Order:

Element	Cr	Cu	Dy	Er	Eu	Fe	Gd	La	Li	Mg
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	100	10	1	0.5	0.5	1	1	1	5	1
Units	PPB	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPM
HM-06-116	<100	620	12	6.5	4.2	91	15	70	<5	<1
HM-06-117	<100	310	13	7.6	2.8	39	11	31	<5	<1
HM-06-118	<100	240	19	11.3	4.2	26	15	39	<5	<1
HM-06-119	<100	140	10	6.0	2.4	72	9	34	<5	<1
HM-06-120	<100	150	12	7.7	2.2	38	8	17	<5	<1
HM-06-121	<100	150	13	8.0	2.3	37	8	17	<5	<1
HM-06-122	<100	2130	3	1.4	1.3	307	4	15	<5	<1
HM-06-123	<100	2980	3	1.3	1.1	197	3	9	<5	<1
HM-06-124	<100	160	2	1.5	0.5	38	2	22	8	2
HM-06-125	300	350	15	6.7	6.1	80	20	86	<5	<1
HM-06-126	<100	90	4	3.7	0.8	75	3	10	<5	2
HM-06-127	<100	60	11	5.0	3.8	50	12	41	<5	<1
HM-06-128	<100	130	13	7.0	3.4	35	13	27	<5	<1
HM-06-129	<100	110	7	4.0	1.9	85	7	17	5	<1
HM-06-130	<100	130	13	6.5	3.0	20	11	18	<5	<1
HM-06-131	200	90	7	4.7	2.5	201	8	34	8	<1
HM-06-132	<100	420	12	6.3	3.6	48	12	61	<5	<1
HM-06-133	<100	190	14	7.1	4.8	23	16	37	<5	<1
HM-06-134	<100	100	4	2.6	1.0	75	3	11	<5	<1
HM-06-135	<100	100	16	7.4	4.4	13	14	31	<5	<1
HM-06-136	<100	600	13	6.4	4.0	79	14	41	<5	<1
HM-06-137	<100	900	5	2.9	1.6	147	6	22	<5	4
HM-06-138	<100	1590	32	16.5	9.3	37	33	53	<5	<1
HM-06-139	<100	1620	3	1.6	1.3	53	4	21	<5	<1
HM-06-140	<100	780	<1	<0.5	<0.5	101	<1	4	<5	<1
HM-06-141	<100	650	4	2.2	2.2	240	7	54	<5	3
HM-06-142	<100	350	15	7.7	3.9	54	14	39	8	2
HM-06-143	<100	140	19	10.2	5.4	22	19	48	<5	<1
HM-06-144	<100	130	11	5.0	3.9	85	14	50	<5	5
HM-06-145	<100	270	5	4.1	1.0	47	3	13	5	<1
HM-06-146	<100	220	4	4.3	<0.5	36	2	<1	<5	<1
HM-06-147	<100	660	1	0.7	<0.5	191	1	6	<5	<1
HM-06-148	<100	580	3	1.9	1.2	256	4	17	<5	<1
HM-06-149	<100	260	17	10.6	3.1	73	12	27	<5	2
HM-06-150	<100	1950	12	7.8	3.6	131	12	62	<5	1
HM-06-151	<100	170	2	1.6	0.7	97	2	11	<5	3
HM-06-152	<100	930	5	2.4	1.5	112	5	17	<5	<1
HM-06-153	<100	550	3	1.4	1.2	57	3	15	<5	<1
HM-06-154	<100	140	<1	<0.5	<0.5	80	<1	3	<5	2
HM-06-155	<100	1580	5	3.7	1.2	75	4	9	<5	<1
HM-06-156	<100	420	15	6.2	5.6	86	20	58	7	4
HM-06-157	<100	530	37	17.8	11.7	50	42	107	<5	<1
HM-06-158	100	570	15	8.5	4.7	76	16	71	<5	<1
HM-06-159	<100	240	13	4.9	5.0	244	18	49	<5	<1
HM-06-160	200	250	7	3.0	2.6	113	8	38	18	6
HM-06-161	100	310	6	3.0	2.2	120	7	31	17	6
HM-06-162	<100	1170	3	1.9	1.3	325	4	11	<5	7
HM-06-163	<100	1180	5	2.1	2.1	292	7	26	<5	<1

SGS

Final : 091215 Order:

Element	Cr	Cu	Dy	Er	Eu	Fe	Gd	La	Li	Mg
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	100	10	1	0.5	0.5	1	1	1	5	1
Units	PPB	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPM
HM-06-164	<100	1020	37	21.0	13.1	16	47	38	<5	<1
HM-06-165	<100	1670	5	2.8	1.7	168	5	19	<5	<1
HM-06-166	<100	3660	4	2.2	1.4	107	4	14	<5	<1
HM-06-167	<100	2200	5	3.9	1.3	190	4	18	<5	4
HM-06-168	<100	1010	42	23.1	6.6	140	28	40	<5	11
HM-06-169	<100	810	51	25.3	18.2	42	73	180	<5	29
HM-06-170	<100	250	16	6.6	5.3	21	19	46	<5	1
HM-06-171	<100	540	18	7.7	6.3	76	22	71	<5	<1
HM-06-172	<100	340	7	4.2	1.9	31	6	19	<5	<1
HM-06-173	<100	80	9	4.1	2.4	21	9	23	<5	<1
HM-06-174	<100	860	34	13.7	15.5	51	56	252	<5	2
HM-06-175	<100	230	13	5.5	3.7	55	13	25	<5	2
HM-06-176	<100	2000	4	2.0	1.4	114	5	17	<5	<1
HM-06-177	200	1290	8	4.2	2.8	122	9	35	9	4
HM-06-178	<100	950	10	5.1	3.3	82	11	29	<5	<1
HM-06-179	<100	380	13	5.6	5.4	54	20	48	<5	20
HM-06-180	<100	160	17	8.1	6.9	16	24	58	<5	<1
HM-06-181	<100	170	6	2.7	1.7	161	5	16	7	2
HM-06-182	<100	160	15	7.0	5.7	43	19	43	<5	3
HM-06-183	<100	900	28	10.4	11.6	24	43	75	<5	15
HM-06-184	<100	160	18	7.4	6.8	45	26	52	9	28
HM-06-185	<100	380	7	3.7	1.9	101	7	11	<5	2
HM-06-186	<100	100	3	1.7	0.8	56	2	4	<5	3
HM-06-187	<100	190	1	1.3	<0.5	138	<1	<1	13	3
HM-06-188	<100	270	13	7.2	4.2	11	14	23	<5	<1
HM-06-189	200	400	7	3.4	2.2	219	8	23	<5	5
HM-06-190	<100	310	12	5.6	4.2	29	15	35	<5	<1
HM-06-191	<100	160	2	2.2	0.6	135	2	5	<5	2
HM-06-192	<100	610	9	3.9	3.9	86	13	55	<5	<1
HM-06-193	<100	370	13	5.7	4.4	28	16	42	<5	<1
HM-06-194	<100	600	29	13.1	13.3	36	49	177	<5	8
HM-06-195	<100	690	43	16.1	22.3	16	81	216	<5	10
HM-06-196	<100	180	8	4.2	2.0	70	7	14	<5	6
*Dup HM-06-116	<100	760	11	5.8	3.4	148	13	54	<5	<1
*Dup HM-06-128	<100	100	13	6.2	3.5	28	13	28	<5	<1
*Dup HM-06-140	<100	780	<1	<0.5	<0.5	103	<1	5	<5	<1
*Dup HM-06-152	<100	870	3	1.6	1.2	137	4	11	<5	<1
*Dup HM-06-164	<100	970	42	23.2	16.7	11	61	77	<5	<1
*Dup HM-06-176	<100	1840	5	2.8	1.3	99	4	15	<5	<1
*Dup HM-06-188	<100	230	11	5.6	3.8	11	13	18	<5	<1

SGS

Final : 091215 Order:

Element	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Rb	Sb	Sc
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	5	0.5	1	5	10	1	1	5	1	5
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
HM-06-116	9	6.0	69	127	120	<1	19	75	<1	26
HM-06-117	6	1.6	37	154	210	<1	10	82	<1	20
HM-06-118	5	1.1	57	97	230	<1	14	67	<1	25
HM-06-119	7	3.2	31	72	140	<1	9	85	<1	22
HM-06-120	7	1.4	23	101	230	<1	6	87	<1	21
HM-06-121	7	1.3	25	98	210	<1	6	86	<1	19
HM-06-122	56	3.5	13	130	450	<1	4	59	3	6
HM-06-123	42	1.0	9	154	660	<1	3	97	2	9
HM-06-124	61	3.3	6	55	560	<1	2	27	60	18
HM-06-125	43	9.9	82	83	1300	<1	21	109	2	34
HM-06-126	<5	2.9	8	79	130	<1	2	51	<1	10
HM-06-127	8	6.1	47	110	140	<1	12	97	<1	17
HM-06-128	<5	1.6	43	203	260	<1	10	149	<1	17
HM-06-129	<5	2.9	23	175	150	<1	6	112	<1	9
HM-06-130	<5	0.8	34	87	220	<1	8	89	<1	20
HM-06-131	9	16.8	33	138	280	<1	9	56	1	41
HM-06-132	<5	2.4	54	36	130	<1	15	19	<1	30
HM-06-133	<5	1.2	60	88	240	<1	14	144	<1	23
HM-06-134	<5	5.3	10	117	90	<1	3	71	<1	15
HM-06-135	5	0.7	53	97	240	<1	13	64	<1	25
HM-06-136	22	3.4	45	116	940	<1	12	50	6	16
HM-06-137	15	5.0	22	114	90	<1	6	56	4	14
HM-06-138	83	3.6	98	24	8430	<1	22	122	38	43
HM-06-139	213	3.1	18	30	1760	<1	6	68	60	16
HM-06-140	71	2.2	2	26	130	<1	1	60	10	11
HM-06-141	51	2.9	43	125	30	<1	13	40	1	13
HM-06-142	14	1.7	52	279	270	<1	13	179	<1	25
HM-06-143	7	1.3	70	57	220	<1	16	79	<1	25
HM-06-144	8	6.7	55	154	220	<1	14	137	<1	23
HM-06-145	<5	1.0	11	62	120	<1	3	69	<1	11
HM-06-146	<5	1.1	2	35	330	<1	<1	130	<1	15
HM-06-147	6	1.4	5	41	20	<1	2	91	<1	6
HM-06-148	6	2.1	16	81	<10	<1	5	77	1	11
HM-06-149	10	7.1	40	184	410	<1	10	124	1	31
HM-06-150	26	2.1	57	212	140	<1	16	51	4	19
HM-06-151	15	6.9	7	66	190	<1	2	72	1	32
HM-06-152	21	2.6	18	24	80	<1	5	60	4	19
HM-06-153	168	12.5	13	22	1420	<1	4	36	69	18
HM-06-154	18	1.8	2	37	90	<1	<1	44	4	10
HM-06-155	101	7.6	9	55	4300	<1	3	62	34	24
HM-06-156	16	7.7	70	111	570	<1	18	60	5	26
HM-06-157	8	3.1	173	129	310	<1	40	56	1	33
HM-06-158	<5	3.7	76	84	180	<1	20	53	1	43
HM-06-159	5	1.4	49	38	380	<1	13	17	1	9
HM-06-160	28	37.6	34	97	380	<1	10	80	2	63
HM-06-161	28	38.0	31	100	330	1	8	77	2	56
HM-06-162	18	3.2	13	172	80	<1	3	68	7	12
HM-06-163	24	6.9	24	65	160	<1	7	41	8	12

Element	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Rb	Sb	Sc
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	5	0.5	1	5	10	1	1	5	1	5
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
HM-06-164	116	<0.5	157	13	6540	<1	29	101	5	44
HM-06-165	89	1.4	21	19	50	<1	6	110	14	22
HM-06-166	47	1.2	15	21	930	<1	4	95	13	19
HM-06-167	37	7.7	17	139	1090	<1	5	58	1	20
HM-06-168	24	7.4	68	195	580	<1	15	60	1	39
HM-06-169	19	2.0	302	147	440	<1	70	29	<1	34
HM-06-170	6	1.2	76	147	230	<1	19	48	<1	13
HM-06-171	10	2.8	87	55	140	<1	23	48	1	25
HM-06-172	8	0.9	23	73	200	<1	6	115	<1	16
HM-06-173	8	0.8	31	128	210	<1	8	67	<1	12
HM-06-174	18	5.2	297	64	150	<1	78	43	3	28
HM-06-175	12	1.8	43	136	240	<1	10	71	<1	11
HM-06-176	55	4.8	16	32	1540	<1	5	82	4	14
HM-06-177	182	28.8	37	82	490	<1	10	44	3	52
HM-06-178	48	5.1	37	26	860	<1	9	41	14	26
HM-06-179	11	1.0	72	157	260	<1	18	70	1	8
HM-06-180	<5	<0.5	102	27	200	<1	25	31	<1	22
HM-06-181	8	8.3	15	56	360	<1	4	54	<1	23
HM-06-182	<5	1.4	61	54	210	<1	14	33	<1	21
HM-06-183	8	<0.5	108	297	400	<1	25	7	<1	16
HM-06-184	5	1.2	78	137	320	<1	18	20	<1	8
HM-06-185	<5	0.7	16	144	90	<1	4	36	<1	12
HM-06-186	<5	2.2	6	49	420	<1	2	8	<1	8
HM-06-187	<5	1.9	1	47	110	<1	<1	116	<1	10
HM-06-188	10	<0.5	51	90	260	<1	11	50	<1	23
HM-06-189	77	15.9	30	133	910	<1	8	11	92	30
HM-06-190	19	1.3	60	51	390	<1	14	49	1	16
HM-06-191	6	3.3	4	90	110	<1	2	13	<1	14
HM-06-192	56	9.8	62	44	360	<1	16	95	4	18
HM-06-193	17	1.1	59	93	180	<1	14	124	<1	15
HM-06-194	32	3.6	249	58	170	<1	63	71	1	19
HM-06-195	13	0.6	394	58	90	<1	91	24	<1	24
HM-06-196	8	2.8	20	99	230	<1	5	46	<1	17
*Dup HM-06-116	6	2.2	53	109	100	<1	15	69	1	18
*Dup HM-06-128	<5	0.6	48	169	240	<1	12	146	<1	18
*Dup HM-06-140	66	1.5	3	22	160	<1	1	62	7	15
*Dup HM-06-152	17	2.4	12	24	70	<1	4	60	3	17
*Dup HM-06-164	123	<0.5	248	10	6430	<1	51	102	5	41
*Dup HM-06-176	45	3.9	15	34	2250	<1	4	77	4	12
*Dup HM-06-188	10	<0.5	42	69	230	<1	9	42	<1	17

Element	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	1	10	1	1	10	0.5	3	0.5	1
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
HM-06-116	14	<1	30	2	3	<10	20.5	641	<0.5	9
HM-06-117	9	<1	<10	<1	2	<10	11.1	323	<0.5	5
HM-06-118	13	<1	<10	<1	3	<10	5.3	209	<0.5	4
HM-06-119	8	<1	30	<1	2	<10	10.8	765	<0.5	4
HM-06-120	7	<1	10	<1	2	<10	6.3	285	<0.5	5
HM-06-121	7	<1	10	<1	2	<10	5.9	302	<0.5	5
HM-06-122	4	<1	40	<1	<1	<10	9.9	470	<0.5	7
HM-06-123	3	<1	<10	<1	<1	<10	9.8	193	<0.5	7
HM-06-124	2	<1	40	<1	<1	<10	5.9	724	<0.5	3
HM-06-125	18	<1	<10	<1	3	<10	10.8	3600	<0.5	5
HM-06-126	2	<1	160	<1	<1	<10	2.6	753	<0.5	2
HM-06-127	11	<1	70	<1	2	<10	7.7	521	<0.5	4
HM-06-128	11	<1	90	<1	2	<10	6.6	328	<0.5	3
HM-06-129	6	<1	150	<1	1	<10	5.9	410	<0.5	2
HM-06-130	9	<1	<10	<1	2	<10	7.9	151	<0.5	4
HM-06-131	8	2	40	1	1	<10	16.5	6060	<0.5	5
HM-06-132	12	<1	<10	<1	2	<10	10.4	545	<0.5	4
HM-06-133	15	<1	<10	<1	2	<10	7.2	380	<0.5	3
HM-06-134	3	<1	80	<1	<1	<10	4.3	1550	<0.5	2
HM-06-135	13	<1	<10	<1	3	<10	7.2	92	<0.5	3
HM-06-136	12	<1	80	<1	3	<10	15.2	896	<0.5	12
HM-06-137	5	<1	180	<1	<1	<10	8.1	1250	<0.5	7
HM-06-138	26	<1	<10	<1	6	<10	11.0	1040	<0.5	14
HM-06-139	4	1	70	<1	<1	<10	22.2	521	<0.5	16
HM-06-140	<1	<1	80	<1	<1	<10	14.8	503	<0.5	30
HM-06-141	8	<1	220	<1	<1	<10	11.1	820	<0.5	5
HM-06-142	13	<1	240	<1	3	<10	11.5	395	<0.5	6
HM-06-143	17	<1	<10	<1	3	<10	9.0	353	<0.5	4
HM-06-144	13	<1	330	<1	2	<10	15.4	2280	<0.5	4
HM-06-145	3	<1	20	<1	<1	<10	4.9	139	<0.5	3
HM-06-146	<1	<1	<10	<1	<1	<10	3.7	359	<0.5	4
HM-06-147	1	<1	<10	<1	<1	<10	7.1	329	<0.5	4
HM-06-148	4	<1	<10	<1	<1	<10	6.3	560	<0.5	3
HM-06-149	10	<1	40	<1	2	<10	9.9	2400	<0.5	4
HM-06-150	11	<1	90	<1	2	<10	21.6	581	0.6	15
HM-06-151	2	<1	200	<1	<1	<10	11.9	1920	<0.5	5
HM-06-152	4	<1	<10	<1	<1	<10	9.6	443	<0.5	7
HM-06-153	3	5	30	<1	<1	<10	13.0	4070	<0.5	9
HM-06-154	<1	<1	180	<1	<1	<10	5.1	419	<0.5	3
HM-06-155	3	<1	50	<1	<1	<10	10.1	2210	<0.5	13
HM-06-156	17	<1	180	<1	3	<10	17.3	2200	<0.5	11
HM-06-157	41	<1	80	<1	7	<10	25.2	866	<0.5	10
HM-06-158	17	<1	<10	<1	3	<10	24.8	895	<0.5	7
HM-06-159	14	<1	90	<1	3	<10	9.4	264	<0.5	12
HM-06-160	8	12	260	3	1	<10	11.5	15200	<0.5	5
HM-06-161	7	11	260	3	1	<10	11.4	14100	<0.5	6
HM-06-162	3	<1	210	1	<1	<10	9.0	592	<0.5	8
HM-06-163	6	<1	40	1	1	<10	11.7	961	<0.5	8

Element	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	1	10	1	1	10	0.5	3	0.5	1
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
HM-06-164	43	<1	<10	<1	7	<10	3.2	69	<0.5	9
HM-06-165	5	<1	<10	<1	<1	<10	11.8	278	<0.5	20
HM-06-166	4	<1	<10	<1	<1	<10	9.0	184	<0.5	14
HM-06-167	4	<1	200	<1	<1	<10	9.0	1400	<0.5	5
HM-06-168	19	<1	280	<1	6	<10	24.5	1860	<0.5	13
HM-06-169	67	<1	760	<1	11	<10	40.0	432	<0.5	12
HM-06-170	18	<1	90	<1	3	<10	9.3	185	<0.5	5
HM-06-171	20	<1	10	<1	4	<10	16.7	652	<0.5	16
HM-06-172	6	<1	<10	<1	1	<10	8.7	176	<0.5	5
HM-06-173	8	<1	50	<1	2	<10	4.3	202	<0.5	3
HM-06-174	58	<1	80	<1	8	<10	28.8	1230	<0.5	12
HM-06-175	11	<1	190	<1	2	<10	5.3	458	<0.5	2
HM-06-176	4	<1	20	<1	<1	<10	10.3	914	<0.5	7
HM-06-177	9	8	120	2	1	<10	12.8	9480	<0.5	8
HM-06-178	10	<1	<10	<1	2	<10	11.4	1240	<0.5	7
HM-06-179	18	<1	460	<1	3	<10	8.4	142	<0.5	8
HM-06-180	22	<1	<10	<1	3	<10	5.1	75	<0.5	5
HM-06-181	4	<1	60	<1	<1	<10	8.3	1430	<0.5	4
HM-06-182	16	<1	210	<1	3	<10	8.5	229	<0.5	10
HM-06-183	33	<1	340	<1	6	<10	8.1	62	<0.5	31
HM-06-184	21	<1	590	<1	4	<10	4.9	195	<0.5	6
HM-06-185	5	<1	150	<1	1	<10	6.0	78	<0.5	8
HM-06-186	2	<1	60	<1	<1	<10	2.7	365	<0.5	1
HM-06-187	<1	<1	70	<1	<1	<10	4.4	237	<0.5	3
HM-06-188	13	<1	<10	<1	2	<10	2.2	17	<0.5	4
HM-06-189	7	1	150	<1	1	<10	21.6	2560	<0.5	6
HM-06-190	15	<1	<10	<1	2	<10	8.7	274	<0.5	4
HM-06-191	1	<1	60	<1	<1	<10	4.6	529	<0.5	2
HM-06-192	13	1	10	<1	2	<10	16.8	3180	0.5	12
HM-06-193	15	<1	10	<1	2	<10	11.0	266	<0.5	4
HM-06-194	51	<1	300	<1	7	<10	30.3	724	<0.5	8
HM-06-195	87	<1	370	<1	10	<10	20.8	140	<0.5	7
HM-06-196	5	<1	410	<1	1	<10	6.3	802	<0.5	2
*Dup HM-06-116	12	<1	40	<1	2	<10	13.8	557	<0.5	6
*Dup HM-06-128	11	<1	60	<1	2	<10	4.8	91	<0.5	2
*Dup HM-06-140	<1	<1	90	<1	<1	<10	13.1	353	<0.5	25
*Dup HM-06-152	3	<1	<10	<1	<1	<10	7.7	355	<0.5	5
*Dup HM-06-164	58	<1	<10	<1	8	<10	3.0	39	<0.5	8
*Dup HM-06-176	4	<1	<10	<1	<1	<10	9.4	748	<0.5	7
*Dup HM-06-188	11	<1	<10	<1	2	<10	2.0	11	<0.5	3

Element Method Det.Lim. Units	W MMI-M5 1 PPB	Y MMI-M5 5 PPB	Yb MMI-M5 1 PPB	Zn MMI-M5 20 PPB	Zr MMI-M5 5 PPB
HM-06-116	2	54	5	120	41
HM-06-117	1	65	6	160	19
HM-06-118	<1	117	9	<20	14
HM-06-119	<1	48	5	70	23
HM-06-120	<1	67	7	80	15
HM-06-121	<1	69	7	60	14
HM-06-122	<1	11	1	90	32
HM-06-123	<1	11	1	110	29
HM-06-124	3	11	1	690	45
HM-06-125	<1	70	5	190	58
HM-06-126	<1	24	3	390	10
HM-06-127	<1	57	4	70	26
HM-06-128	<1	67	4	170	16
HM-06-129	<1	33	3	60	12
HM-06-130	<1	62	5	20	16
HM-06-131	1	35	4	160	54
HM-06-132	<1	59	5	90	24
HM-06-133	<1	69	5	110	15
HM-06-134	<1	21	2	70	17
HM-06-135	<1	75	6	90	15
HM-06-136	<1	52	5	530	39
HM-06-137	<1	25	3	90	21
HM-06-138	<1	152	12	420	32
HM-06-139	4	15	1	540	40
HM-06-140	1	<5	<1	70	15
HM-06-141	<1	18	2	60	19
HM-06-142	<1	79	6	70	23
HM-06-143	<1	103	8	30	16
HM-06-144	<1	46	4	80	34
HM-06-145	<1	26	4	70	10
HM-06-146	<1	25	4	230	8
HM-06-147	<1	6	<1	40	19
HM-06-148	<1	16	2	<20	20
HM-06-149	<1	97	9	190	26
HM-06-150	<1	55	7	30	21
HM-06-151	<1	10	2	480	24
HM-06-152	<1	17	2	100	24
HM-06-153	2	13	1	330	35
HM-06-154	<1	<5	<1	150	17
HM-06-155	<1	26	3	290	32
HM-06-156	<1	64	4	340	60
HM-06-157	<1	180	13	340	32
HM-06-158	<1	61	8	340	48
HM-06-159	<1	56	4	20	87
HM-06-160	2	31	3	460	77
HM-06-161	2	28	3	540	76
HM-06-162	2	14	2	70	33
HM-06-163	1	19	2	60	52

SGS

Final : 091215 Order:

Element	W	Y	Yb	Zn	Zr
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	5	1	20	5
Units	PPB	PPB	PPB	PPB	PPB
HM-06-164	<1	190	17	180	7
HM-06-165	<1	22	2	40	23
HM-06-166	<1	17	2	50	28
HM-06-167	<1	25	3	650	26
HM-06-168	<1	218	15	80	28
HM-06-169	<1	288	17	30	23
HM-06-170	<1	72	5	20	18
HM-06-171	1	71	6	30	47
HM-06-172	<1	32	3	60	17
HM-06-173	<1	42	3	<20	10
HM-06-174	<1	149	10	<20	42
HM-06-175	<1	62	4	40	11
HM-06-176	<1	16	2	100	34
HM-06-177	3	36	3	500	68
HM-06-178	<1	42	4	220	33
HM-06-179	<1	60	4	470	14
HM-06-180	<1	88	6	70	9
HM-06-181	<1	25	2	420	40
HM-06-182	<1	69	5	30	22
HM-06-183	<1	132	7	30	54
HM-06-184	<1	86	5	130	14
HM-06-185	<1	35	3	<20	21
HM-06-186	<1	16	1	520	11
HM-06-187	<1	6	2	260	13
HM-06-188	<1	74	5	50	<5
HM-06-189	1	27	2	1370	39
HM-06-190	<1	53	4	70	18
HM-06-191	<1	13	3	190	10
HM-06-192	<1	38	3	70	46
HM-06-193	<1	59	4	30	21
HM-06-194	<1	130	10	40	35
HM-06-195	<1	176	11	20	20
HM-06-196	<1	46	3	20	13
*Dup HM-06-116	<1	46	4	110	27
*Dup HM-06-128	<1	66	4	220	10
*Dup HM-06-140	<1	<5	<1	130	14
*Dup HM-06-152	<1	12	2	80	19
*Dup HM-06-164	<1	236	18	140	7
*Dup HM-06-176	<1	23	2	90	26
*Dup HM-06-188	<1	65	4	50	<5

Certificate of Analysis

Work Order: 091214

To: Namex Exploration Inc
Attn: James Hess
718 Joe Persechini Drive
NEWMARKET
ON L3X 2S1

Date: Jan 08, 2007

P.O. No.	
Project No.	DEFAULT
No. Of Samples	115
Date Submitted	Nov 06, 2006
Report Comprises	Pages 1 to 16 (Inclusive of Cover Sheet)

Distribution of unused material:

5

Certified By :

Stuart Lam
Operations Manager

ISO 9002 REGISTERED
ISO 17025 Accredited for Specific Tests. SCC No. 456

Report Footer:

L.N.R. = Listed not received
n.a. = Not applicable
I.S. = Insufficient Sample
-- = No result

*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	1	10	0.1	10	1	10	10	5	5
Units	PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB
HM-06-1	9	210	10	0.3	490	<1	10	<10	14	42
HM-06-2	21	240	10	0.2	700	<1	<10	<10	41	42
HM-06-3	44	230	10	1.6	240	<1	<10	<10	86	62
HM-06-4	40	217	<10	0.6	360	<1	<10	<10	67	65
HM-06-5	32	191	<10	0.6	210	<1	<10	<10	179	56
HM-06-6	12	208	20	1.9	340	<1	<10	<10	180	56
HM-06-7	14	>300	30	0.5	1840	2	20	<10	443	85
HM-06-8	15	>300	<10	0.1	400	<1	<10	<10	133	69
HM-06-9	12	274	<10	<0.1	650	<1	<10	10	41	65
HM-06-10	31	234	<10	<0.1	710	<1	<10	10	38	56
HM-06-11	1	153	30	1.1	1060	3	20	20	42	46
HM-06-12	<1	239	90	0.2	570	2	<10	<10	53	17
HM-06-13	8	119	20	0.7	390	<1	130	<10	77	102
HM-06-14	17	251	10	0.2	630	<1	20	10	89	100
HM-06-15	4	107	20	1.1	610	2	100	<10	80	655
HM-06-16	11	154	20	0.6	1110	2	130	<10	408	37
HM-06-17	29	280	30	1.6	610	2	<10	<10	504	136
HM-06-18	10	157	20	0.5	830	<1	160	20	167	388
HM-06-19	26	92	10	1.7	660	<1	270	20	660	109
HM-06-20	6	149	20	0.5	1090	2	170	10	1370	124
HM-06-21	2	11	60	0.2	470	<1	210	10	270	101
HM-06-22	6	32	40	0.4	460	<1	250	<10	200	69
HM-06-23	3	198	30	0.3	600	2	70	10	141	237
HM-06-24	<1	174	20	0.2	280	1	60	90	50	149
HM-06-25	6	81	40	1.0	800	2	120	10	519	92
HM-06-26	11	114	20	0.7	840	3	130	30	438	82
HM-06-27	3	215	30	0.9	440	3	80	10	246	130
HM-06-28	12	281	10	0.3	570	<1	<10	10	118	119
HM-06-29	17	186	100	0.9	740	3	50	<10	277	666
HM-06-30	54	>300	30	0.2	610	<1	<10	<10	113	81
HM-06-31	53	255	<10	0.4	710	<1	20	10	28	45
HM-06-32	21	220	30	1.2	2440	2	70	50	73	68
HM-06-33	38	>300	30	0.2	1630	<1	<10	30	97	190
HM-06-34	47	275	<10	0.2	820	<1	10	30	166	241
HM-06-35	70	>300	50	0.9	2310	2	30	30	213	308
HM-06-36	8	244	20	0.3	720	<1	10	<10	33	35
HM-06-37	6	10	20	0.4	3810	<1	230	10	343	85
HM-06-38	7	88	30	0.4	1080	2	40	<10	179	25
HM-06-39	57	223	<10	0.4	650	<1	10	10	65	68
HM-06-40	10	300	30	0.2	840	1	<10	20	76	45
HM-06-41	41	245	<10	<0.1	680	<1	10	50	50	16
HM-06-42	93	217	<10	0.2	430	<1	<10	20	39	52
HM-06-43	134	240	<10	1.2	370	<1	<10	30	74	23
HM-06-44	104	222	<10	1.3	550	<1	<10	20	113	36
HM-06-45	88	255	<10	0.3	1570	<1	40	30	74	211
HM-06-46	16	293	40	<0.1	1540	2	20	20	150	101
HM-06-47	23	259	<10	0.2	410	<1	<10	<10	150	83
HM-06-48	15	189	<10	0.1	650	<1	<10	<10	69	109

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	1	10	0.1	10	1	10	10	5	5
Units	PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB
HM-06-49	1	151	20	0.3	420	<1	<10	<10	30	8
HM-06-50	<1	213	20	<0.1	400	<1	<10	<10	21	6
HM-06-51	<1	>300	20	0.1	460	<1	<10	<10	146	11
HM-06-52	<1	300	<10	<0.1	310	<1	<10	<10	<5	6
HM-06-53	4	>300	20	0.3	440	<1	<10	<10	106	63
HM-06-54	14	240	20	0.2	630	<1	<10	<10	102	81
HM-06-55	30	179	<10	0.2	400	<1	<10	<10	35	90
HM-06-56	1	277	40	0.2	320	1	<10	<10	53	16
HM-06-57	<1	217	<10	0.1	250	2	<10	<10	15	17
HM-06-58	<1	284	20	0.2	330	<1	<10	<10	65	28
HM-06-59	6	261	10	<0.1	440	<1	20	<10	34	59
HM-06-60	10	>300	10	0.2	670	<1	20	<10	66	60
HM-06-61	2	214	10	0.1	270	<1	10	<10	27	32
HM-06-62	42	225	100	0.6	1060	7	40	40	63	50
HM-06-63	57	294	50	0.2	840	2	<10	20	48	66
HM-06-64	20	273	50	0.4	820	2	40	20	62	31
HM-06-65	41	206	<10	0.7	330	<1	<10	10	73	36
HM-06-66	38	219	<10	0.1	830	<1	<10	20	69	63
HM-06-67	63	256	10	0.4	1020	<1	20	20	81	129
HM-06-68	30	240	<10	0.2	650	<1	10	<10	55	34
HM-06-69	29	227	<10	0.1	680	<1	40	<10	48	57
HM-06-70	12	192	<10	0.1	390	<1	<10	<10	73	42
HM-06-71	13	193	<10	0.2	550	<1	<10	<10	42	37
HM-06-72	14	258	<10	0.1	640	<1	<10	<10	25	38
HM-06-73	16	252	<10	<0.1	550	<1	<10	<10	43	78
HM-06-74	43	296	<10	0.1	350	<1	10	20	83	65
HM-06-75	77	276	<10	0.3	570	<1	10	20	42	143
HM-06-76	149	235	<10	0.4	430	<1	40	20	116	42
HM-06-77	84	144	<10	0.2	210	<1	<10	<10	28	40
HM-06-78	99	161	<10	0.8	200	<1	<10	<10	60	29
HM-06-79	575	115	<10	14.1	120	<1	<10	<10	22	18
HM-06-80	129	228	40	10.0	380	2	20	<10	80	96
HM-06-81	4	215	<10	<0.1	600	<1	140	<10	188	164
HM-06-82	17	217	<10	<0.1	300	<1	20	<10	68	43
HM-06-83	10	205	<10	<0.1	500	<1	20	<10	28	100
HM-06-84	2	240	<10	0.2	200	<1	<10	<10	35	41
HM-06-85	7	217	<10	0.2	180	<1	<10	<10	158	161
HM-06-86	7	281	10	<0.1	560	<1	<10	<10	168	41
HM-06-87	8	>300	20	0.2	640	<1	<10	<10	302	67
HM-06-88	8	245	<10	0.2	170	<1	<10	<10	61	30
HM-06-89	6	295	<10	0.4	250	<1	<10	<10	345	34
HM-06-90	40	243	20	0.9	260	<1	<10	<10	13	105
HM-06-91	98	201	<10	1.6	140	<1	<10	<10	71	48
HM-06-92	69	227	<10	1.2	340	1	30	20	8	117
HM-06-93	100	237	20	4.2	290	<1	<10	10	32	68
HM-06-94	91	172	<10	1.1	110	<1	<10	<10	62	35
HM-06-95	37	>300	<10	0.2	590	<1	20	10	79	79
HM-06-96	20	234	<10	<0.1	530	<1	<10	<10	87	109

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	1	10	0.1	10	1	10	10	5	5
Units	PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB
HM-06-97	35	262	<10	0.1	470	<1	20	<10	52	105
HM-06-98	16	261	<10	<0.1	550	<1	20	<10	51	100
HM-06-99	7	228	<10	0.2	880	<1	<10	<10	24	39
HM-06-100	18	153	<10	0.2	210	<1	10	<10	26	116
HM-06-101	14	236	<10	<0.1	460	<1	<10	10	54	57
HM-06-102	18	234	<10	<0.1	210	<1	10	<10	104	77
HM-06-103	7	217	<10	<0.1	470	<1	<10	<10	18	86
HM-06-104	26	171	<10	<0.1	180	<1	<10	<10	35	44
HM-06-105	17	220	<10	<0.1	450	<1	20	<10	112	75
HM-06-106	18	211	<10	0.7	700	<1	30	10	107	63
HM-06-107	21	179	<10	0.4	370	<1	<10	20	13	37
HM-06-108	29	263	<10	3.9	400	<1	<10	<10	7	20
HM-06-109	43	192	<10	17.5	150	<1	<10	<10	50	98
HM-06-110	10	156	10	5.5	260	<1	<10	<10	42	39
HM-06-111	67	274	10	0.7	930	<1	10	<10	58	71
HM-06-112	8	246	<10	0.3	610	<1	<10	<10	228	35
HM-06-113	13	235	10	2.2	330	<1	<10	<10	35	68
HM-06-114	3	188	50	1.1	1170	2	50	10	494	75
HM-06-115	3	224	10	0.3	510	1	20	<10	214	81
*Dup HM-06-1	6	192	<10	0.2	330	<1	10	<10	8	41
*Dup HM-06-13	11	111	20	0.6	350	<1	130	<10	73	87
*Dup HM-06-25	5	79	30	0.9	720	<1	100	<10	350	82
*Dup HM-06-37	6	10	30	0.4	3670	<1	230	<10	395	74
*Dup HM-06-49	<1	138	30	0.3	690	<1	10	<10	43	10
*Dup HM-06-61	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
*Dup HM-06-73	11	235	<10	<0.1	440	<1	<10	<10	42	73
*Dup HM-06-85	8	199	<10	0.2	160	<1	<10	<10	172	133
*Dup HM-06-97	30	259	<10	0.1	390	<1	30	<10	50	96
*Dup HM-06-109	38	213	10	17.1	210	<1	10	<10	53	129

Element	Cr	Cu	Dy	Er	Eu	Fe	Gd	La	Li	Mg
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	100	10	1	0.5	0.5	1	1	1	5	1
Units	PPB	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPM
HM-06-1	<100	200	2	1.7	0.6	160	1	10	<5	2
HM-06-2	<100	250	10	6.2	2.0	82	7	17	7	1
HM-06-3	<100	820	15	9.8	3.8	59	13	30	<5	<1
HM-06-4	<100	220	15	8.6	3.9	27	12	32	<5	<1
HM-06-5	<100	300	22	12.4	6.1	34	22	78	<5	<1
HM-06-6	<100	520	32	17.6	9.7	69	35	89	<5	<1
HM-06-7	200	620	30	16.2	11.7	194	41	185	11	2
HM-06-8	<100	150	14	6.4	4.7	71	16	74	<5	<1
HM-06-9	<100	130	8	4.8	2.0	76	7	20	<5	<1
HM-06-10	<100	130	9	6.4	2.0	53	7	23	<5	<1
HM-06-11	100	250	3	2.2	1.2	86	4	26	<5	1
HM-06-12	300	440	5	2.5	1.7	296	5	31	15	3
HM-06-13	<100	1110	9	4.8	3.0	286	11	41	6	13
HM-06-14	100	230	12	6.7	3.2	133	11	36	6	2
HM-06-15	100	1050	7	3.8	2.2	294	8	32	8	18
HM-06-16	200	710	18	8.3	8.4	88	30	158	8	11
HM-06-17	200	2070	43	24.0	12.3	162	45	224	9	2
HM-06-18	100	790	22	13.3	7.1	198	28	90	7	49
HM-06-19	<100	4990	76	41.7	24.3	23	101	340	<5	31
HM-06-20	100	1330	54	26.1	22.0	160	91	415	6	18
HM-06-21	<100	4310	19	8.9	7.5	20	31	126	11	40
HM-06-22	<100	4270	19	8.9	9.0	20	37	145	10	29
HM-06-23	200	730	10	5.0	3.1	206	11	57	15	9
HM-06-24	<100	770	18	11.4	3.2	104	13	21	<5	5
HM-06-25	<100	16600	100	67.7	21.2	242	95	274	<5	5
HM-06-26	<100	11900	151	104	25.7	174	120	232	<5	5
HM-06-27	100	3700	30	17.6	7.8	91	31	126	7	1
HM-06-28	<100	480	13	6.8	3.7	68	12	42	<5	<1
HM-06-29	200	1010	16	8.4	5.8	337	21	110	9	7
HM-06-30	200	330	9	4.4	3.1	206	10	47	<5	1
HM-06-31	<100	300	5	3.2	1.3	131	4	15	6	2
HM-06-32	100	240	7	3.4	2.2	140	8	28	<5	5
HM-06-33	<100	220	12	7.9	3.6	86	12	57	<5	<1
HM-06-34	<100	330	18	8.2	5.5	37	20	65	<5	<1
HM-06-35	200	400	10	4.8	4.4	242	14	90	11	4
HM-06-36	<100	280	2	1.7	0.9	270	3	20	9	3
HM-06-37	<100	7060	25	12.7	10.2	16	45	162	8	58
HM-06-38	200	240	11	4.8	5.2	70	19	129	13	6
HM-06-39	<100	160	12	6.7	3.6	34	11	29	<5	<1
HM-06-40	200	320	7	4.2	2.4	216	7	38	10	2
HM-06-41	<100	220	9	5.2	2.4	43	8	18	<5	<1
HM-06-42	<100	290	9	6.2	2.2	39	8	17	<5	<1
HM-06-43	<100	430	20	11.4	4.6	40	17	29	<5	<1
HM-06-44	<100	430	16	8.5	5.3	30	17	48	<5	<1
HM-06-45	300	210	10	6.2	3.0	81	11	33	7	3
HM-06-46	300	260	11	6.2	2.7	209	10	38	14	4
HM-06-47	100	260	14	6.3	5.3	32	17	64	<5	<1
HM-06-48	<100	290	13	7.4	3.6	31	12	33	<5	<1

Element	Cr	Cu	Dy	Er	Eu	Fe	Gd	La	Li	Mg
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	100	10	1	0.5	0.5	1	1	1	5	1
Units	PPB	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPM
HM-06-49	<100	670	2	1.4	0.9	347	3	16	<5	1
HM-06-50	<100	280	2	1.0	0.8	259	2	12	<5	<1
HM-06-51	400	320	13	5.5	4.9	63	16	76	11	1
HM-06-52	<100	170	<1	0.5	<0.5	94	<1	2	<5	1
HM-06-53	200	410	10	6.1	3.3	131	10	54	7	<1
HM-06-54	<100	270	11	7.1	3.2	127	12	57	7	<1
HM-06-55	<100	200	9	6.1	2.0	54	7	19	<5	<1
HM-06-56	200	220	5	3.0	1.7	152	6	28	<5	<1
HM-06-57	<100	130	1	0.9	0.5	97	1	9	<5	<1
HM-06-58	500	270	4	2.7	1.6	177	5	36	<5	2
HM-06-59	<100	210	5	3.1	1.3	122	4	17	<5	4
HM-06-60	200	250	5	2.5	2.2	430	6	38	<5	5
HM-06-61	<100	40	<1	0.6	0.6	194	1	7	<5	4
HM-06-62	200	280	7	3.8	2.6	260	8	36	17	6
HM-06-63	200	230	6	3.8	2.0	187	6	28	11	4
HM-06-64	200	190	8	3.7	2.8	179	9	37	7	5
HM-06-65	<100	220	11	6.1	2.9	43	10	29	<5	<1
HM-06-66	<100	270	12	7.1	3.5	71	12	34	<5	2
HM-06-67	<100	290	13	8.5	4.6	114	15	55	<5	2
HM-06-68	<100	370	17	10.3	5.1	69	18	51	<5	2
HM-06-69	<100	160	11	7.0	2.6	80	8	21	<5	2
HM-06-70	<100	190	12	7.2	3.8	47	11	35	<5	<1
HM-06-71	<100	150	10	7.0	2.4	42	8	19	<5	<1
HM-06-72	<100	140	5	3.6	1.4	78	4	13	<5	<1
HM-06-73	<100	90	8	5.5	2.2	62	7	21	<5	<1
HM-06-74	<100	200	11	5.6	3.4	70	11	36	6	1
HM-06-75	<100	360	8	5.0	2.0	88	7	21	5	<1
HM-06-76	<100	200	9	4.2	3.5	24	13	71	<5	2
HM-06-77	<100	170	12	8.0	2.5	18	9	16	<5	<1
HM-06-78	<100	360	19	9.9	4.6	15	16	40	<5	<1
HM-06-79	<100	4650	12	7.9	2.7	17	9	10	<5	<1
HM-06-80	<100	1690	15	8.7	3.7	98	13	33	<5	2
HM-06-81	<100	290	12	8.0	4.2	225	14	93	30	52
HM-06-82	<100	110	17	8.1	4.4	14	15	32	<5	<1
HM-06-83	<100	130	10	5.6	2.0	33	7	15	<5	<1
HM-06-84	<100	430	6	4.1	1.3	63	4	17	<5	<1
HM-06-85	<100	350	20	11.4	5.9	44	20	57	<5	<1
HM-06-86	<100	240	12	6.2	4.0	114	13	86	<5	<1
HM-06-87	200	450	16	7.2	5.9	129	20	98	8	<1
HM-06-88	<100	160	9	5.4	2.6	61	9	42	<5	<1
HM-06-89	100	300	29	14.2	13.0	101	44	201	6	<1
HM-06-90	<100	730	2	1.8	0.6	145	2	8	7	4
HM-06-91	<100	430	12	7.7	3.1	53	10	31	<5	<1
HM-06-92	<100	320	4	3.5	0.7	118	2	5	15	4
HM-06-93	<100	760	8	5.6	1.8	133	6	14	10	1
HM-06-94	<100	760	15	9.5	3.8	15	13	31	<5	<1
HM-06-95	<100	150	9	4.7	3.5	65	11	53	<5	<1
HM-06-96	<100	110	14	7.8	4.3	35	14	37	<5	<1

Element	Cr	Cu	Dy	Er	Eu	Fe	Gd	La	Li	Mg
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	100	10	1	0.5	0.5	1	1	1	5	1
Units	PPB	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPM
HM-06-97	<100	100	8	4.7	2.6	56	8	22	<5	2
HM-06-98	<100	190	11	6.5	3.0	49	10	22	6	1
HM-06-99	<100	200	7	4.3	1.7	64	5	12	<5	<1
HM-06-100	<100	510	11	7.4	2.3	50	8	14	<5	<1
HM-06-101	<100	300	9	5.6	2.5	42	8	23	<5	<1
HM-06-102	<100	190	26	13.5	6.9	46	24	38	<5	<1
HM-06-103	<100	80	6	4.0	1.4	56	4	8	<5	<1
HM-06-104	<100	80	10	5.3	2.4	20	8	13	<5	<1
HM-06-105	<100	130	17	7.3	4.7	23	16	44	<5	<1
HM-06-106	<100	350	27	13.1	8.5	29	32	96	<5	3
HM-06-107	<100	220	10	6.8	1.5	27	5	8	<5	<1
HM-06-108	<100	310	1	0.9	<0.5	115	<1	4	6	<1
HM-06-109	<100	1440	12	6.6	2.5	64	9	21	<5	<1
HM-06-110	<100	1550	5	2.5	1.9	210	6	20	<5	<1
HM-06-111	<100	250	9	4.9	2.8	133	9	33	12	3
HM-06-112	<100	490	12	5.7	5.3	180	18	120	6	2
HM-06-113	<100	590	4	2.8	1.2	84	4	21	<5	<1
HM-06-114	200	1150	26	12.3	10.3	281	38	235	11	8
HM-06-115	100	450	17	11.3	5.4	221	20	127	10	4
*Dup HM-06-1	<100	140	2	1.7	0.5	133	1	4	<5	2
*Dup HM-06-13	<100	1030	8	4.5	2.5	233	9	36	7	12
*Dup HM-06-25	<100	14700	73	51.5	14.6	275	66	184	<5	5
*Dup HM-06-37	<100	4960	24	12.3	9.7	18	42	180	8	54
*Dup HM-06-49	<100	590	3	1.6	1.2	364	4	23	<5	2
*Dup HM-06-61	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
*Dup HM-06-73	<100	80	9	6.0	2.3	50	7	20	<5	<1
*Dup HM-06-85	<100	320	21	11.6	6.9	37	23	61	<5	<1
*Dup HM-06-97	<100	100	8	4.4	2.6	49	8	21	<5	2
*Dup HM-06-109	<100	1480	9	5.2	2.1	76	7	23	<5	<1

Element	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Rb	Sb	Sc
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	5	0.5	1	5	10	1	1	5	1	5
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
HM-06-1	12	4.6	7	143	20	<1	2	101	<1	32
HM-06-2	17	8.1	24	235	260	<1	6	146	1	46
HM-06-3	24	3.7	47	121	320	<1	11	71	3	52
HM-06-4	10	1.9	46	155	310	<1	11	85	<1	45
HM-06-5	11	1.6	88	90	150	<1	23	159	<1	56
HM-06-6	16	3.5	148	89	200	<1	34	95	1	58
HM-06-7	9	12.5	231	133	270	<1	59	60	2	71
HM-06-8	8	8.7	76	140	140	<1	20	50	1	37
HM-06-9	7	7.0	26	259	300	<1	7	62	1	35
HM-06-10	7	2.9	26	184	240	<1	7	181	1	38
HM-06-11	11	11.3	20	61	450	<1	6	104	2	55
HM-06-12	14	40.3	24	87	80	<1	7	119	2	56
HM-06-13	14	5.3	47	194	40	<1	12	128	2	36
HM-06-14	7	5.6	41	268	130	<1	11	104	2	35
HM-06-15	18	6.7	36	282	50	<1	10	79	4	37
HM-06-16	8	9.5	171	198	580	<1	46	67	5	42
HM-06-17	12	8.2	245	100	460	<1	65	45	22	71
HM-06-18	8	2.1	127	421	200	<1	31	13	11	35
HM-06-19	11	<0.5	446	291	1630	<1	112	22	37	81
HM-06-20	10	3.9	501	241	400	<1	135	110	10	67
HM-06-21	807	3.3	161	881	260	<1	38	133	214	20
HM-06-22	81	1.5	195	311	410	<1	46	46	52	24
HM-06-23	17	16.8	56	173	280	<1	15	70	2	55
HM-06-24	7	2.2	33	252	780	<1	8	101	1	33
HM-06-25	21	3.5	365	293	560	<1	92	32	8	146
HM-06-26	11	2.6	360	308	790	<1	88	29	5	173
HM-06-27	9	2.5	131	212	360	<1	35	24	7	58
HM-06-28	7	3.4	54	294	220	<1	14	68	1	25
HM-06-29	40	10.8	115	218	250	<1	31	101	52	39
HM-06-30	18	14.6	44	148	130	<1	12	88	3	35
HM-06-31	7	2.7	15	116	270	<1	4	201	1	23
HM-06-32	49	7.1	31	254	910	<1	8	140	11	25
HM-06-33	8	4.7	54	259	120	<1	14	140	2	49
HM-06-34	9	2.0	81	276	150	<1	21	148	1	35
HM-06-35	40	26.7	78	166	470	<1	22	185	8	51
HM-06-36	16	9.8	14	106	100	<1	5	102	4	27
HM-06-37	340	3.9	227	598	490	<1	54	172	90	13
HM-06-38	29	23.6	121	123	160	<1	34	85	24	34
HM-06-39	10	1.1	42	176	190	<1	10	119	1	37
HM-06-40	14	15.2	37	92	810	<1	10	170	5	42
HM-06-41	9	3.4	28	195	310	<1	7	127	1	32
HM-06-42	8	1.7	26	110	460	<1	7	144	2	32
HM-06-43	18	1.5	58	208	1260	<1	13	116	2	24
HM-06-44	15	1.5	69	161	780	<1	16	137	3	32
HM-06-45	13	7.9	42	421	440	<1	10	97	1	27
HM-06-46	20	20.3	39	218	790	<1	10	158	3	46
HM-06-47	8	4.4	73	85	240	<1	18	131	1	38
HM-06-48	5	1.0	50	414	260	<1	12	108	<1	31

Element	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Rb	Sb	Sc
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	5	0.5	1	5	10	1	1	5	1	5
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
HM-06-49	6	3.8	13	63	20	<1	4	87	1	14
HM-06-50	6	7.8	10	54	20	<1	3	87	1	14
HM-06-51	14	20.0	73	51	220	<1	19	98	2	52
HM-06-52	<5	3.4	2	43	<10	<1	<1	71	<1	17
HM-06-53	9	11.5	52	101	100	<1	14	30	3	35
HM-06-54	8	7.4	51	170	230	<1	14	67	1	34
HM-06-55	6	2.6	24	170	230	<1	6	148	<1	25
HM-06-56	8	16.7	25	96	50	<1	7	59	1	58
HM-06-57	6	3.7	6	49	100	<1	2	73	<1	34
HM-06-58	8	7.3	27	172	30	<1	8	56	1	20
HM-06-59	7	5.1	15	101	100	<1	4	52	<1	18
HM-06-60	27	21.3	30	154	70	<1	8	62	3	12
HM-06-61	10	5.6	6	52	10	<1	2	41	2	11
HM-06-62	167	41.6	34	124	1000	<1	9	140	45	64
HM-06-63	74	27.0	25	180	420	<1	7	102	6	48
HM-06-64	36	22.3	36	288	1410	<1	9	118	11	45
HM-06-65	9	2.3	41	136	480	<1	10	124	2	17
HM-06-66	6	3.1	50	270	270	<1	12	198	1	26
HM-06-67	10	4.0	71	219	240	<1	18	107	4	30
HM-06-68	11	5.1	82	145	250	<1	19	73	10	28
HM-06-69	6	2.9	30	213	180	<1	7	158	<1	31
HM-06-70	<5	1.4	45	190	170	<1	11	123	<1	31
HM-06-71	<5	1.3	28	106	230	<1	7	106	<1	31
HM-06-72	5	2.6	17	177	120	<1	4	119	<1	24
HM-06-73	5	1.8	25	199	190	<1	6	187	1	27
HM-06-74	8	7.8	44	137	300	<1	11	140	1	32
HM-06-75	7	3.4	24	201	250	<1	6	153	1	29
HM-06-76	12	2.5	63	93	480	<1	17	181	1	25
HM-06-77	7	<0.5	27	92	610	<1	6	104	<1	29
HM-06-78	10	0.5	57	89	890	<1	14	145	1	29
HM-06-79	23	<0.5	23	51	14600	<1	5	113	21	25
HM-06-80	54	2.2	46	165	4480	<1	11	63	29	22
HM-06-81	<5	5.9	82	182	200	<1	24	25	1	19
HM-06-82	6	1.3	51	138	250	<1	12	134	1	29
HM-06-83	6	1.9	21	164	330	<1	5	199	<1	23
HM-06-84	6	1.5	17	63	80	<1	5	78	1	20
HM-06-85	7	3.7	86	115	200	<1	22	111	1	38
HM-06-86	6	6.4	71	143	90	<1	20	84	1	29
HM-06-87	10	15.2	98	116	150	<1	28	88	2	41
HM-06-88	5	4.3	37	89	100	<1	10	51	1	28
HM-06-89	12	14.2	238	56	160	<1	63	44	2	55
HM-06-90	21	10.9	7	108	30	<1	2	44	1	17
HM-06-91	13	2.1	42	126	350	<1	11	139	1	25
HM-06-92	17	8.5	6	130	1960	<1	2	238	1	24
HM-06-93	40	9.0	19	164	1500	<1	5	143	2	33
HM-06-94	11	1.4	47	56	640	<1	11	123	7	32
HM-06-95	9	9.0	48	98	210	<1	12	170	2	30
HM-06-96	7	2.6	53	91	190	<1	13	67	1	38

Element	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Rb	Sb	Sc
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	5	0.5	1	5	10	1	1	5	1	5
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
HM-06-97	6	2.8	31	164	190	<1	8	119	1	21
HM-06-98	<5	1.4	34	272	180	<1	8	110	1	26
HM-06-99	<5	2.4	15	166	130	<1	4	116	<1	18
HM-06-100	<5	0.6	23	223	120	<1	5	45	<1	27
HM-06-101	<5	1.5	32	105	120	<1	8	56	<1	23
HM-06-102	<5	2.1	86	247	170	<1	19	125	<1	32
HM-06-103	5	1.5	13	260	190	<1	3	105	<1	13
HM-06-104	6	0.6	27	151	180	<1	6	64	<1	17
HM-06-105	7	1.9	63	122	250	<1	15	68	<1	32
HM-06-106	13	1.6	147	173	340	<1	34	158	4	26
HM-06-107	7	0.8	13	110	1160	<1	3	52	1	21
HM-06-108	14	4.3	3	43	800	<1	1	58	1	7
HM-06-109	21	1.7	26	54	7140	<1	7	116	2	25
HM-06-110	47	2.3	22	103	200	<1	6	75	4	16
HM-06-111	22	9.1	34	171	210	<1	9	95	1	24
HM-06-112	10	7.9	116	124	60	<1	29	37	1	18
HM-06-113	5	3.2	16	85	60	<1	5	35	1	18
HM-06-114	9	8.8	231	327	400	<1	62	83	2	51
HM-06-115	10	10.7	119	174	90	<1	33	28	2	45
*Dup HM-06-1	11	4.4	4	112	10	<1	1	94	<1	9
*Dup HM-06-13	13	4.8	41	179	40	<1	11	114	2	19
*Dup HM-06-25	13	2.4	244	278	450	<1	62	29	6	108
*Dup HM-06-37	273	4.8	219	483	540	<1	54	145	59	9
*Dup HM-06-49	7	5.7	18	85	30	<1	5	76	2	12
*Dup HM-06-61	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S	I.S.
*Dup HM-06-73	6	1.7	26	169	220	<1	7	186	1	20
*Dup HM-06-85	7	2.8	100	99	190	<1	23	100	1	35
*Dup HM-06-97	6	2.3	30	154	210	<1	8	123	<1	21
*Dup HM-06-109	21	2.0	25	58	6180	<1	7	114	2	28

Element	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	1	10	1	1	10	0.5	3	0.5	1
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
HM-06-1	1	<1	120	3	<1	<10	3.9	1120	0.6	3
HM-06-2	6	1	80	3	2	<10	10.0	1950	<0.5	5
HM-06-3	11	<1	20	2	2	<10	11.6	1000	<0.5	8
HM-06-4	11	<1	60	1	2	<10	5.4	327	<0.5	4
HM-06-5	20	<1	<10	1	4	<10	12.9	277	<0.5	5
HM-06-6	34	<1	20	1	6	<10	26.9	937	<0.5	9
HM-06-7	45	1	220	2	6	<10	63.8	3430	0.7	9
HM-06-8	16	1	50	1	3	<10	17.3	3030	<0.5	5
HM-06-9	6	<1	30	1	1	<10	13.1	2200	<0.5	5
HM-06-10	6	<1	<10	<1	1	<10	6.5	547	<0.5	3
HM-06-11	4	2	180	1	<1	<10	29.6	2300	<0.5	6
HM-06-12	5	6	80	3	<1	<10	15.8	12500	0.6	8
HM-06-13	10	<1	340	<1	2	<10	11.2	1510	<0.5	9
HM-06-14	9	<1	190	<1	2	<10	11.3	1730	<0.5	4
HM-06-15	7	1	630	<1	1	<10	21.6	1760	0.5	9
HM-06-16	32	1	480	1	4	<10	30.4	2440	<0.5	12
HM-06-17	47	<1	120	1	8	<10	89.1	1780	<0.5	22
HM-06-18	27	<1	1050	<1	4	<10	12.9	1520	<0.5	7
HM-06-19	95	<1	1080	<1	15	<10	20.3	25	<0.5	88
HM-06-20	94	<1	570	<1	12	<10	42.3	1300	<0.5	39
HM-06-21	31	<1	430	<1	4	<10	22.8	73	<0.5	231
HM-06-22	38	<1	440	<1	4	<10	15.0	196	<0.5	42
HM-06-23	11	4	260	2	2	<10	22.3	6240	0.7	9
HM-06-24	10	<1	230	<1	3	<10	10.4	600	<0.5	6
HM-06-25	80	<1	490	<1	17	<10	32.2	343	<0.5	389
HM-06-26	92	<1	500	<1	24	<10	40.3	285	<0.5	447
HM-06-27	27	<1	130	<1	5	<10	28.4	532	<0.5	21
HM-06-28	12	<1	60	<1	2	<10	14.9	716	<0.5	6
HM-06-29	23	3	270	<1	3	<10	28.7	4010	0.6	12
HM-06-30	10	2	80	1	2	<10	18.9	4200	<0.5	6
HM-06-31	4	<1	170	<1	<1	<10	5.2	441	<0.5	3
HM-06-32	7	<1	420	<1	1	<10	20.4	2080	<0.5	5
HM-06-33	11	<1	80	<1	2	<10	13.1	1390	<0.5	5
HM-06-34	19	<1	100	<1	3	<10	23.4	424	<0.5	6
HM-06-35	16	4	260	2	2	<10	26.2	9600	<0.5	7
HM-06-36	3	<1	180	<1	<1	<10	11.4	2820	<0.5	4
HM-06-37	42	<1	670	<1	6	<10	31.5	59	<0.5	56
HM-06-38	21	3	360	2	3	<10	27.5	9120	<0.5	7
HM-06-39	10	<1	130	<1	2	<10	5.3	299	<0.5	4
HM-06-40	8	1	110	1	1	<10	16.3	3560	<0.5	6
HM-06-41	8	<1	120	<1	2	<10	10.1	1000	<0.5	4
HM-06-42	6	<1	10	<1	2	<10	7.2	318	<0.5	4
HM-06-43	15	<1	30	<1	3	<10	5.4	372	<0.5	4
HM-06-44	16	<1	20	<1	3	<10	9.8	306	<0.5	4
HM-06-45	10	<1	240	<1	2	<10	12.0	3320	<0.5	4
HM-06-46	9	3	150	2	2	<10	29.6	6600	<0.5	7
HM-06-47	17	<1	<10	2	3	<10	15.7	1380	<0.5	6
HM-06-48	11	<1	120	<1	2	<10	7.3	138	<0.5	4

Element	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	1	10	1	1	10	0.5	3	0.5	1
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
HM-06-49	3	<1	70	<1	<1	<10	7.5	799	<0.5	3
HM-06-50	2	1	40	<1	<1	<10	6.6	1990	<0.5	2
HM-06-51	16	3	<10	2	3	<10	31.7	5600	<0.5	12
HM-06-52	<1	<1	40	<1	<1	<10	5.1	761	<0.5	2
HM-06-53	11	2	20	1	2	<10	15.5	4030	<0.5	8
HM-06-54	11	<1	20	<1	2	<10	12.8	2280	<0.5	6
HM-06-55	5	<1	40	<1	1	<10	5.1	712	<0.5	4
HM-06-56	6	3	60	1	1	<10	10.3	5310	<0.5	6
HM-06-57	1	<1	30	<1	<1	<10	10.0	683	<0.5	4
HM-06-58	6	<1	50	<1	<1	<10	12.0	3620	0.6	6
HM-06-59	3	<1	180	<1	<1	<10	10.1	1140	<0.5	3
HM-06-60	6	<1	370	2	<1	<10	13.6	4710	0.6	6
HM-06-61	1	<1	220	<1	<1	<10	3.3	1470	<0.5	2
HM-06-62	8	8	300	3	1	<10	19.4	12600	<0.5	6
HM-06-63	6	5	120	2	1	<10	10.9	9660	<0.5	5
HM-06-64	8	4	270	2	2	<10	10.9	7070	<0.5	4
HM-06-65	9	<1	50	<1	2	<10	8.2	555	<0.5	4
HM-06-66	11	<1	170	<1	2	<10	11.0	899	<0.5	4
HM-06-67	15	<1	180	<1	3	<10	13.3	1090	<0.5	6
HM-06-68	17	<1	120	<1	3	<10	9.7	1650	<0.5	6
HM-06-69	7	<1	310	<1	2	<10	6.8	825	<0.5	5
HM-06-70	11	<1	30	<1	2	<10	7.3	275	<0.5	4
HM-06-71	7	<1	20	<1	2	<10	5.6	316	<0.5	4
HM-06-72	4	<1	80	<1	<1	<10	4.6	760	<0.5	3
HM-06-73	6	<1	20	<1	1	<10	6.3	315	<0.5	3
HM-06-74	10	<1	40	<1	2	<10	12.4	2660	<0.5	4
HM-06-75	6	<1	50	<1	1	<10	9.5	778	<0.5	5
HM-06-76	13	<1	160	<1	2	<10	15.9	698	<0.5	8
HM-06-77	7	<1	<10	<1	2	<10	3.1	87	<0.5	2
HM-06-78	13	<1	10	<1	3	<10	4.0	125	<0.5	3
HM-06-79	7	<1	<10	<1	2	<10	3.0	76	<0.5	4
HM-06-80	12	<1	240	<1	3	<10	11.2	502	<0.5	7
HM-06-81	15	<1	800	<1	2	<10	46.5	918	<0.5	14
HM-06-82	13	<1	60	<1	3	<10	9.3	292	<0.5	6
HM-06-83	5	<1	290	<1	1	<10	5.5	466	<0.5	4
HM-06-84	4	<1	30	<1	<1	<10	7.0	299	<0.5	4
HM-06-85	20	<1	<10	<1	4	<10	14.6	1020	<0.5	5
HM-06-86	14	<1	40	<1	2	<10	25.2	1640	0.5	8
HM-06-87	22	2	10	1	3	<10	44.0	5370	0.5	10
HM-06-88	8	<1	10	<1	1	<10	12.0	1480	<0.5	9
HM-06-89	46	2	<10	1	6	<10	14.5	5840	<0.5	6
HM-06-90	2	2	90	<1	<1	<10	4.2	3960	<0.5	2
HM-06-91	9	<1	<10	<1	2	<10	8.6	631	<0.5	5
HM-06-92	2	1	390	<1	<1	<10	5.6	2680	<0.5	3
HM-06-93	5	1	50	2	1	<10	11.7	2610	<0.5	5
HM-06-94	10	<1	<10	<1	2	<10	5.6	278	<0.5	4
HM-06-95	11	1	60	1	2	<10	10.4	3050	<0.5	4
HM-06-96	13	<1	<10	<1	2	<10	10.8	636	<0.5	4

Element	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	1	10	1	1	10	0.5	3	0.5	1
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
HM-06-97	8	<1	170	<1	2	<10	9.8	511	<0.5	4
HM-06-98	8	<1	140	<1	2	<10	4.4	273	<0.5	2
HM-06-99	4	<1	90	<1	1	<10	5.0	520	<0.5	3
HM-06-100	6	<1	110	<1	2	<10	4.6	141	<0.5	4
HM-06-101	8	<1	30	<1	1	<10	5.9	314	<0.5	4
HM-06-102	21	<1	30	<1	4	<10	9.0	778	<0.5	3
HM-06-103	3	<1	50	<1	<1	<10	4.7	229	<0.5	3
HM-06-104	7	<1	10	<1	2	<10	4.8	98	<0.5	3
HM-06-105	15	<1	90	<1	3	<10	13.5	505	<0.5	6
HM-06-106	31	<1	220	<1	5	<10	11.0	381	<0.5	6
HM-06-107	4	<1	30	<1	1	<10	3.3	189	<0.5	2
HM-06-108	<1	<1	60	<1	<1	<10	3.5	1150	<0.5	2
HM-06-109	7	<1	10	<1	2	<10	12.6	248	<0.5	7
HM-06-110	5	<1	20	<1	<1	<10	10.9	443	<0.5	7
HM-06-111	8	1	150	<1	2	<10	8.6	2990	<0.5	5
HM-06-112	20	<1	150	<1	2	<10	19.0	1560	<0.5	9
HM-06-113	3	<1	10	<1	<1	<10	6.4	796	<0.5	2
HM-06-114	41	<1	310	<1	6	<10	49.7	1910	<0.5	11
HM-06-115	21	1	150	<1	3	<10	36.7	3360	<0.5	10
*Dup HM-06-1	1	<1	140	<1	<1	<10	3.1	1220	<0.5	3
*Dup HM-06-13	9	<1	320	<1	1	<10	9.4	1420	<0.5	9
*Dup HM-06-25	54	<1	470	<1	7	<10	23.8	251	<0.5	359
*Dup HM-06-37	41	<1	660	<1	5	<10	31.8	85	<0.5	48
*Dup HM-06-49	4	<1	80	<1	<1	<10	10.0	1040	<0.5	4
*Dup HM-06-61	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
*Dup HM-06-73	7	<1	10	<1	1	<10	6.2	262	<0.5	3
*Dup HM-06-85	22	<1	<10	<1	4	<10	13.6	830	<0.5	5
*Dup HM-06-97	8	<1	160	<1	2	<10	8.6	415	<0.5	4
*Dup HM-06-109	6	<1	10	<1	1	<10	13.4	305	<0.5	7

Element	W	Y	Yb	Zn	Zr
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	5	1	20	5
Units	PPB	PPB	PPB	PPB	PPB
HM-06-1	5	9	2	<20	13
HM-06-2	4	52	6	50	30
HM-06-3	3	90	9	60	29
HM-06-4	2	87	7	30	16
HM-06-5	2	129	10	<20	28
HM-06-6	2	176	14	50	39
HM-06-7	4	159	14	100	78
HM-06-8	2	70	5	50	34
HM-06-9	1	39	4	40	27
HM-06-10	2	57	6	80	21
HM-06-11	3	21	2	1320	113
HM-06-12	3	22	2	170	79
HM-06-13	1	50	5	190	39
HM-06-14	<1	63	5	140	26
HM-06-15	2	39	3	270	31
HM-06-16	2	87	6	100	46
HM-06-17	2	197	19	310	79
HM-06-18	2	143	12	1160	15
HM-06-19	<1	478	30	60	25
HM-06-20	1	265	20	90	34
HM-06-21	2	116	8	600	31
HM-06-22	2	107	7	930	24
HM-06-23	2	50	4	290	59
HM-06-24	1	113	9	1260	16
HM-06-25	1	687	58	80	109
HM-06-26	1	1110	85	160	103
HM-06-27	2	185	17	90	174
HM-06-28	<1	61	5	350	27
HM-06-29	2	74	8	140	54
HM-06-30	1	37	4	310	65
HM-06-31	<1	24	3	280	16
HM-06-32	<1	33	3	6360	36
HM-06-33	<1	76	8	5550	34
HM-06-34	<1	87	6	4050	41
HM-06-35	2	47	4	3430	71
HM-06-36	<1	10	2	460	28
HM-06-37	<1	149	11	500	49
HM-06-38	1	53	4	400	154
HM-06-39	<1	65	5	500	15
HM-06-40	<1	35	4	1830	53
HM-06-41	<1	50	4	6120	30
HM-06-42	<1	56	6	1430	22
HM-06-43	<1	107	9	2500	17
HM-06-44	<1	90	7	2660	24
HM-06-45	2	58	5	1320	28
HM-06-46	1	56	5	950	69
HM-06-47	2	66	5	70	41
HM-06-48	<1	83	6	100	17

Element	W	Y	Yb	Zn	Zr
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	5	1	20	5
Units	PPB	PPB	PPB	PPB	PPB
HM-06-49	<1	10	1	20	22
HM-06-50	<1	9	1	50	27
HM-06-51	3	53	4	140	106
HM-06-52	<1	<5	<1	<20	19
HM-06-53	1	47	6	300	47
HM-06-54	<1	63	6	50	40
HM-06-55	<1	58	5	50	16
HM-06-56	1	25	3	140	48
HM-06-57	1	7	1	80	41
HM-06-58	2	22	3	80	28
HM-06-59	<1	22	3	70	20
HM-06-60	<1	18	2	120	49
HM-06-61	<1	<5	<1	<20	14
HM-06-62	8	36	4	1950	81
HM-06-63	2	30	4	1670	56
HM-06-64	1	37	3	1710	53
HM-06-65	<1	66	5	400	19
HM-06-66	<1	67	6	1800	21
HM-06-67	<1	82	7	1600	35
HM-06-68	<1	106	9	130	28
HM-06-69	<1	59	5	100	21
HM-06-70	<1	70	6	60	20
HM-06-71	<1	56	6	110	15
HM-06-72	<1	29	3	100	16
HM-06-73	<1	43	5	300	16
HM-06-74	<1	51	4	1180	42
HM-06-75	<1	40	5	3110	26
HM-06-76	<1	55	3	740	29
HM-06-77	<1	81	7	1800	12
HM-06-78	<1	114	7	70	13
HM-06-79	<1	73	7	240	11
HM-06-80	<1	82	6	80	25
HM-06-81	<1	65	8	60	20
HM-06-82	<1	84	6	130	22
HM-06-83	<1	55	5	170	15
HM-06-84	<1	30	4	140	17
HM-06-85	<1	108	10	100	31
HM-06-86	<1	54	6	20	35
HM-06-87	2	70	6	40	77
HM-06-88	<1	51	4	20	24
HM-06-89	1	144	11	30	49
HM-06-90	<1	11	2	70	25
HM-06-91	<1	64	6	30	22
HM-06-92	<1	24	3	2340	29
HM-06-93	2	45	5	1200	46
HM-06-94	1	100	8	740	15
HM-06-95	<1	48	4	300	41
HM-06-96	2	70	7	280	27

Element	W	Y	Yb	Zn	Zr
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	5	1	20	5
Units	PPB	PPB	PPB	PPB	PPB
HM-06-97	1	42	4	170	23
HM-06-98	1	60	5	890	12
HM-06-99	<1	34	4	<20	15
HM-06-100	<1	68	6	30	10
HM-06-101	<1	50	5	120	16
HM-06-102	4	135	9	40	17
HM-06-103	<1	31	4	290	13
HM-06-104	<1	55	4	40	7
HM-06-105	<1	78	5	440	24
HM-06-106	<1	160	10	690	20
HM-06-107	1	58	6	390	11
HM-06-108	<1	5	<1	350	17
HM-06-109	<1	55	5	980	35
HM-06-110	<1	21	2	<20	36
HM-06-111	<1	47	4	50	34
HM-06-112	<1	47	4	70	41
HM-06-113	1	21	3	140	18
HM-06-114	1	117	9	410	54
HM-06-115	1	96	10	110	47
*Dup HM-06-1	<1	10	2	<20	14
*Dup HM-06-13	<1	43	4	140	29
*Dup HM-06-25	1	514	32	50	70
*Dup HM-06-37	<1	151	10	360	65
*Dup HM-06-49	1	16	1	40	31
*Dup HM-06-61	I.S.	I.S.	I.S.	I.S.	I.S.
*Dup HM-06-73	<1	53	5	300	21
*Dup HM-06-85	1	111	9	90	27
*Dup HM-06-97	<1	45	3	150	21
*Dup HM-06-109	<1	41	4	980	39

Certificate of Analysis

Work Order: 091214

To: Namex Exploration Inc
Attn: James Hess
718 Joe Persechini Drive
NEWMARKET
ON L3X 2S1

Date: Jan 08, 2007

P.O. No.	
Project No.	DEFAULT
No. Of Samples	115
Date Submitted	Nov 06, 2006
Report Comprises	Pages 1 to 16 (Inclusive of Cover Sheet)

Distribution of unused material:

5

Certified By :

Stuart Lam
Operations Manager

ISO 9002 REGISTERED
ISO 17025 Accredited for Specific Tests. SCC No. 456

Report Footer:

L.N.R. = Listed not received
n.a. = Not applicable
I.S. = Insufficient Sample
-- = No result

*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted

Subject to SGS General Terms and Conditions

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	1	10	0.1	10	1	10	10	5	5
Units	PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB
HM-06-1	9	210	10	0.3	490	<1	10	<10	14	42
HM-06-2	21	240	10	0.2	700	<1	<10	<10	41	42
HM-06-3	44	230	10	1.6	240	<1	<10	<10	86	62
HM-06-4	40	217	<10	0.6	360	<1	<10	<10	67	65
HM-06-5	32	191	<10	0.6	210	<1	<10	<10	179	56
HM-06-6	12	208	20	1.9	340	<1	<10	<10	180	56
HM-06-7	14	>300	30	0.5	1840	2	20	<10	443	85
HM-06-8	15	>300	<10	0.1	400	<1	<10	<10	133	69
HM-06-9	12	274	<10	<0.1	650	<1	<10	10	41	65
HM-06-10	31	234	<10	<0.1	710	<1	<10	10	38	56
HM-06-11	1	153	30	1.1	1060	3	20	20	42	46
HM-06-12	<1	239	90	0.2	570	2	<10	<10	53	17
HM-06-13	8	119	20	0.7	390	<1	130	<10	77	102
HM-06-14	17	251	10	0.2	630	<1	20	10	89	100
HM-06-15	4	107	20	1.1	610	2	100	<10	80	655
HM-06-16	11	154	20	0.6	1110	2	130	<10	408	37
HM-06-17	29	280	30	1.6	610	2	<10	<10	504	136
HM-06-18	10	157	20	0.5	830	<1	160	20	167	388
HM-06-19	26	92	10	1.7	660	<1	270	20	660	109
HM-06-20	6	149	20	0.5	1090	2	170	10	1370	124
HM-06-21	2	11	60	0.2	470	<1	210	10	270	101
HM-06-22	6	32	40	0.4	460	<1	250	<10	200	69
HM-06-23	3	198	30	0.3	600	2	70	10	141	237
HM-06-24	<1	174	20	0.2	280	1	60	90	50	149
HM-06-25	6	81	40	1.0	800	2	120	10	519	92
HM-06-26	11	114	20	0.7	840	3	130	30	438	82
HM-06-27	3	215	30	0.9	440	3	80	10	246	130
HM-06-28	12	281	10	0.3	570	<1	<10	10	118	119
HM-06-29	17	186	100	0.9	740	3	50	<10	277	666
HM-06-30	54	>300	30	0.2	610	<1	<10	<10	113	81
HM-06-31	53	255	<10	0.4	710	<1	20	10	28	45
HM-06-32	21	220	30	1.2	2440	2	70	50	73	68
HM-06-33	38	>300	30	0.2	1630	<1	<10	30	97	190
HM-06-34	47	275	<10	0.2	820	<1	10	30	166	241
HM-06-35	70	>300	50	0.9	2310	2	30	30	213	308
HM-06-36	8	244	20	0.3	720	<1	10	<10	33	35
HM-06-37	6	10	20	0.4	3810	<1	230	10	343	85
HM-06-38	7	88	30	0.4	1080	2	40	<10	179	25
HM-06-39	57	223	<10	0.4	650	<1	10	10	65	68
HM-06-40	10	300	30	0.2	840	1	<10	20	76	45
HM-06-41	41	245	<10	<0.1	680	<1	10	50	50	16
HM-06-42	93	217	<10	0.2	430	<1	<10	20	39	52
HM-06-43	134	240	<10	1.2	370	<1	<10	30	74	23
HM-06-44	104	222	<10	1.3	550	<1	<10	20	113	36
HM-06-45	88	255	<10	0.3	1570	<1	40	30	74	211
HM-06-46	16	293	40	<0.1	1540	2	20	20	150	101
HM-06-47	23	259	<10	0.2	410	<1	<10	<10	150	83
HM-06-48	15	189	<10	0.1	650	<1	<10	<10	69	109

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	1	10	0.1	10	1	10	10	5	5
Units	PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB
HM-06-49	1	151	20	0.3	420	<1	<10	<10	30	8
HM-06-50	<1	213	20	<0.1	400	<1	<10	<10	21	6
HM-06-51	<1	>300	20	0.1	460	<1	<10	<10	146	11
HM-06-52	<1	300	<10	<0.1	310	<1	<10	<10	<5	6
HM-06-53	4	>300	20	0.3	440	<1	<10	<10	106	63
HM-06-54	14	240	20	0.2	630	<1	<10	<10	102	81
HM-06-55	30	179	<10	0.2	400	<1	<10	<10	36	90
HM-06-56	1	277	40	0.2	320	1	<10	<10	53	16
HM-06-57	<1	217	<10	0.1	250	2	<10	<10	15	17
HM-06-58	<1	284	20	0.2	330	<1	<10	<10	65	28
HM-06-59	6	261	10	<0.1	440	<1	20	<10	34	59
HM-06-60	10	>300	10	0.2	670	<1	20	<10	66	60
HM-06-61	2	214	10	0.1	270	<1	10	<10	27	32
HM-06-62	42	225	100	0.6	1060	7	40	40	63	50
HM-06-63	57	294	50	0.2	840	2	<10	20	48	66
HM-06-64	20	273	50	0.4	820	2	40	20	62	31
HM-06-65	41	206	<10	0.7	330	<1	<10	10	73	36
HM-06-66	38	219	<10	0.1	830	<1	<10	20	69	63
HM-06-67	63	256	10	0.4	1020	<1	20	20	81	129
HM-06-68	30	240	<10	0.2	650	<1	10	<10	55	34
HM-06-69	29	227	<10	0.1	680	<1	40	<10	48	57
HM-06-70	12	192	<10	0.1	390	<1	<10	<10	73	42
HM-06-71	13	193	<10	0.2	550	<1	<10	<10	42	37
HM-06-72	14	258	<10	0.1	640	<1	<10	<10	25	38
HM-06-73	16	252	<10	<0.1	550	<1	<10	<10	43	78
HM-06-74	43	296	<10	0.1	350	<1	10	20	83	65
HM-06-75	77	276	<10	0.3	570	<1	10	20	42	143
HM-06-76	149	235	<10	0.4	430	<1	40	20	116	42
HM-06-77	84	144	<10	0.2	210	<1	<10	<10	28	40
HM-06-78	99	161	<10	0.8	200	<1	<10	<10	60	29
HM-06-79	575	115	<10	14.1	120	<1	<10	<10	22	18
HM-06-80	129	228	40	10.0	380	2	20	<10	80	96
HM-06-81	4	215	<10	<0.1	600	<1	140	<10	188	164
HM-06-82	17	217	<10	<0.1	300	<1	20	<10	68	43
HM-06-83	10	205	<10	<0.1	500	<1	20	<10	28	100
HM-06-84	2	240	<10	0.2	200	<1	<10	<10	35	41
HM-06-85	7	217	<10	0.2	180	<1	<10	<10	158	161
HM-06-86	7	281	10	<0.1	560	<1	<10	<10	168	41
HM-06-87	8	>300	20	0.2	640	<1	<10	<10	302	67
HM-06-88	8	245	<10	0.2	170	<1	<10	<10	61	30
HM-06-89	6	295	<10	0.4	250	<1	<10	<10	345	34
HM-06-90	40	243	20	0.9	260	<1	<10	<10	13	105
HM-06-91	98	201	<10	1.6	140	<1	<10	<10	71	48
HM-06-92	69	227	<10	1.2	340	1	30	20	8	117
HM-06-93	100	237	20	4.2	290	<1	<10	10	32	68
HM-06-94	91	172	<10	1.1	110	<1	<10	<10	62	35
HM-06-95	37	>300	<10	0.2	590	<1	20	10	79	79
HM-06-96	20	234	<10	<0.1	530	<1	<10	<10	87	109

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	1	10	0.1	10	1	10	10	5	5
Units	PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB
HM-06-97	35	262	<10	0.1	470	<1	20	<10	52	105
HM-06-98	16	261	<10	<0.1	550	<1	20	<10	51	100
HM-06-99	7	228	<10	0.2	880	<1	<10	<10	24	39
HM-06-100	18	153	<10	0.2	210	<1	10	<10	26	116
HM-06-101	14	236	<10	<0.1	460	<1	<10	10	54	57
HM-06-102	18	234	<10	<0.1	210	<1	10	<10	104	77
HM-06-103	7	217	<10	<0.1	470	<1	<10	<10	18	86
HM-06-104	26	171	<10	<0.1	180	<1	<10	<10	35	44
HM-06-105	17	220	<10	<0.1	450	<1	20	<10	112	75
HM-06-106	18	211	<10	0.7	700	<1	30	10	107	63
HM-06-107	21	179	<10	0.4	370	<1	<10	20	13	37
HM-06-108	29	263	<10	3.9	400	<1	<10	<10	7	20
HM-06-109	43	192	<10	17.5	150	<1	<10	<10	50	98
HM-06-110	10	156	10	5.5	260	<1	<10	<10	42	39
HM-06-111	67	274	10	0.7	930	<1	10	<10	58	71
HM-06-112	8	246	<10	0.3	610	<1	<10	<10	228	35
HM-06-113	13	235	10	2.2	330	<1	<10	<10	35	68
HM-06-114	3	188	50	1.1	1170	2	50	10	494	75
HM-06-115	3	224	10	0.3	510	1	20	<10	214	81
*Dup HM-06-1	6	192	<10	0.2	330	<1	10	<10	8	41
*Dup HM-06-13	11	111	20	0.6	350	<1	130	<10	73	87
*Dup HM-06-25	5	79	30	0.9	720	<1	100	<10	350	82
*Dup HM-06-37	6	10	30	0.4	3670	<1	230	<10	395	74
*Dup HM-06-49	<1	138	30	0.3	690	<1	10	<10	43	10
*Dup HM-06-61	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
*Dup HM-06-73	11	235	<10	<0.1	440	<1	<10	<10	42	73
*Dup HM-06-85	8	199	<10	0.2	160	<1	<10	<10	172	133
*Dup HM-06-97	30	259	<10	0.1	390	<1	30	<10	50	96
*Dup HM-06-109	38	213	10	17.1	210	<1	10	<10	53	129

Element	Cr	Cu	Dy	Er	Eu	Fe	Gd	La	Li	Mg
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	100	10	1	0.5	0.5	1	1	1	5	1
Units	PPB	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPM
HM-06-1	<100	200	2	1.7	0.6	160	1	10	<5	2
HM-06-2	<100	250	10	6.2	2.0	82	7	17	7	1
HM-06-3	<100	820	15	9.8	3.8	59	13	30	<5	<1
HM-06-4	<100	220	15	8.6	3.9	27	12	32	<5	<1
HM-06-5	<100	300	22	12.4	6.1	34	22	78	<5	<1
HM-06-6	<100	520	32	17.6	9.7	69	35	89	<5	<1
HM-06-7	200	620	30	16.2	11.7	194	41	185	11	2
HM-06-8	<100	150	14	6.4	4.7	71	16	74	<5	<1
HM-06-9	<100	130	8	4.8	2.0	76	7	20	<5	<1
HM-06-10	<100	130	9	6.4	2.0	53	7	23	<5	<1
HM-06-11	100	250	3	2.2	1.2	86	4	26	<5	1
HM-06-12	300	440	5	2.5	1.7	296	5	31	15	3
HM-06-13	<100	1110	9	4.8	3.0	286	11	41	6	13
HM-06-14	100	230	12	6.7	3.2	133	11	36	6	2
HM-06-15	100	1050	7	3.8	2.2	294	8	32	8	18
HM-06-16	200	710	18	8.3	8.4	88	30	158	8	11
HM-06-17	200	2070	43	24.0	12.3	162	45	224	9	2
HM-06-18	100	790	22	13.3	7.1	198	28	90	7	49
HM-06-19	<100	4990	76	41.7	24.3	23	101	340	<5	31
HM-06-20	100	1330	54	26.1	22.0	160	91	415	6	18
HM-06-21	<100	4310	19	8.9	7.5	20	31	126	11	40
HM-06-22	<100	4270	19	8.9	9.0	20	37	145	10	29
HM-06-23	200	730	10	5.0	3.1	206	11	57	15	9
HM-06-24	<100	770	18	11.4	3.2	104	13	21	<5	5
HM-06-25	<100	16600	100	67.7	21.2	242	95	274	<5	5
HM-06-26	<100	11900	151	104	25.7	174	120	232	<5	5
HM-06-27	100	3700	30	17.6	7.8	91	31	126	7	1
HM-06-28	<100	480	13	6.8	3.7	68	12	42	<5	<1
HM-06-29	200	1010	16	8.4	5.8	337	21	110	9	7
HM-06-30	200	330	9	4.4	3.1	206	10	47	<5	1
HM-06-31	<100	300	5	3.2	1.3	131	4	15	6	2
HM-06-32	100	240	7	3.4	2.2	140	8	28	<5	5
HM-06-33	<100	220	12	7.9	3.6	86	12	57	<5	<1
HM-06-34	<100	330	18	8.2	5.5	37	20	65	<5	<1
HM-06-35	200	400	10	4.8	4.4	242	14	90	11	4
HM-06-36	<100	280	2	1.7	0.9	270	3	20	9	3
HM-06-37	<100	7060	25	12.7	10.2	16	45	162	8	58
HM-06-38	200	240	11	4.8	5.2	70	19	129	13	6
HM-06-39	<100	160	12	6.7	3.6	34	11	29	<5	<1
HM-06-40	200	320	7	4.2	2.4	216	7	38	10	2
HM-06-41	<100	220	9	5.2	2.4	43	8	18	<5	<1
HM-06-42	<100	290	9	6.2	2.2	39	8	17	<5	<1
HM-06-43	<100	430	20	11.4	4.6	40	17	29	<5	<1
HM-06-44	<100	430	16	8.5	5.3	30	17	48	<5	<1
HM-06-45	300	210	10	6.2	3.0	81	11	33	7	3
HM-06-46	300	260	11	6.2	2.7	209	10	38	14	4
HM-06-47	100	260	14	6.3	5.3	32	17	64	<5	<1
HM-06-48	<100	290	13	7.4	3.6	31	12	33	<5	<1

Element	Cr	Cu	Dy	Er	Eu	Fe	Gd	La	Li	Mg
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	100	10	1	0.5	0.5	1	1	1	5	1
Units	PPB	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPM
HM-06-49	<100	670	2	1.4	0.9	347	3	16	<5	1
HM-06-50	<100	280	2	1.0	0.8	259	2	12	<5	<1
HM-06-51	400	320	13	5.5	4.9	63	16	76	11	1
HM-06-52	<100	170	<1	0.5	<0.5	94	<1	2	<5	1
HM-06-53	200	410	10	6.1	3.3	131	10	54	7	<1
HM-06-54	<100	270	11	7.1	3.2	127	12	57	7	<1
HM-06-55	<100	200	9	6.1	2.0	54	7	19	<5	<1
HM-06-56	200	220	5	3.0	1.7	152	6	28	<5	<1
HM-06-57	<100	130	1	0.9	0.5	97	1	9	<5	<1
HM-06-58	500	270	4	2.7	1.6	177	5	36	<5	2
HM-06-59	<100	210	5	3.1	1.3	122	4	17	<5	4
HM-06-60	200	250	5	2.5	2.2	430	6	38	<5	5
HM-06-61	<100	40	<1	0.6	0.6	194	1	7	<5	4
HM-06-62	200	280	7	3.8	2.6	260	8	36	17	6
HM-06-63	200	230	6	3.8	2.0	187	6	28	11	4
HM-06-64	200	190	8	3.7	2.8	179	9	37	7	5
HM-06-65	<100	220	11	6.1	2.9	43	10	29	<5	<1
HM-06-66	<100	270	12	7.1	3.5	71	12	34	<5	2
HM-06-67	<100	290	13	8.5	4.6	114	15	55	<5	2
HM-06-68	<100	370	17	10.3	5.1	69	18	51	<5	2
HM-06-69	<100	160	11	7.0	2.6	80	8	21	<5	2
HM-06-70	<100	190	12	7.2	3.8	47	11	35	<5	<1
HM-06-71	<100	150	10	7.0	2.4	42	8	19	<5	<1
HM-06-72	<100	140	5	3.6	1.4	78	4	13	<5	<1
HM-06-73	<100	90	8	5.5	2.2	62	7	21	<5	<1
HM-06-74	<100	200	11	5.6	3.4	70	11	36	6	1
HM-06-75	<100	360	8	5.0	2.0	88	7	21	5	<1
HM-06-76	<100	200	9	4.2	3.5	24	13	71	<5	2
HM-06-77	<100	170	12	8.0	2.5	18	9	16	<5	<1
HM-06-78	<100	360	19	9.9	4.6	15	16	40	<5	<1
HM-06-79	<100	4650	12	7.9	2.7	17	9	10	<5	<1
HM-06-80	<100	1690	15	8.7	3.7	98	13	33	<5	2
HM-06-81	<100	290	12	8.0	4.2	225	14	93	30	52
HM-06-82	<100	110	17	8.1	4.4	14	15	32	<5	<1
HM-06-83	<100	130	10	5.6	2.0	33	7	15	<5	<1
HM-06-84	<100	430	6	4.1	1.3	63	4	17	<5	<1
HM-06-85	<100	350	20	11.4	5.9	44	20	57	<5	<1
HM-06-86	<100	240	12	6.2	4.0	114	13	86	<5	<1
HM-06-87	200	450	16	7.2	5.9	129	20	98	8	<1
HM-06-88	<100	160	9	5.4	2.6	61	9	42	<5	<1
HM-06-89	100	300	29	14.2	13.0	101	44	201	6	<1
HM-06-90	<100	730	2	1.8	0.6	145	2	8	7	4
HM-06-91	<100	430	12	7.7	3.1	53	10	31	<5	<1
HM-06-92	<100	320	4	3.5	0.7	118	2	5	15	4
HM-06-93	<100	760	8	5.6	1.8	133	6	14	10	1
HM-06-94	<100	760	15	9.5	3.8	15	13	31	<5	<1
HM-06-95	<100	150	9	4.7	3.5	65	11	53	<5	<1
HM-06-96	<100	110	14	7.8	4.3	35	14	37	<5	<1

Element	Cr	Cu	Dy	Er	Eu	Fe	Gd	La	Li	Mg
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	100	10	1	0.5	0.5	1	1	1	5	1
Units	PPB	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPM
HM-06-97	<100	100	8	4.7	2.6	56	8	22	<5	2
HM-06-98	<100	190	11	6.5	3.0	49	10	22	6	1
HM-06-99	<100	200	7	4.3	1.7	64	5	12	<5	<1
HM-06-100	<100	510	11	7.4	2.3	50	8	14	<5	<1
HM-06-101	<100	300	9	5.6	2.5	42	8	23	<5	<1
HM-06-102	<100	190	26	13.5	6.9	46	24	38	<5	<1
HM-06-103	<100	80	6	4.0	1.4	56	4	8	<5	<1
HM-06-104	<100	80	10	5.3	2.4	20	8	13	<5	<1
HM-06-105	<100	130	17	7.3	4.7	23	16	44	<5	<1
HM-06-106	<100	350	27	13.1	8.5	29	32	96	<5	3
HM-06-107	<100	220	10	6.8	1.5	27	5	8	<5	<1
HM-06-108	<100	310	1	0.9	<0.5	115	<1	4	6	<1
HM-06-109	<100	1440	12	6.6	2.5	64	9	21	<5	<1
HM-06-110	<100	1550	5	2.5	1.9	210	6	20	<5	<1
HM-06-111	<100	250	9	4.9	2.8	133	9	33	12	3
HM-06-112	<100	490	12	5.7	5.3	180	18	120	6	2
HM-06-113	<100	590	4	2.8	1.2	84	4	21	<5	<1
HM-06-114	200	1150	26	12.3	10.3	281	38	235	11	8
HM-06-115	100	450	17	11.3	5.4	221	20	127	10	4
*Dup HM-06-1	<100	140	2	1.7	0.5	133	1	4	<5	2
*Dup HM-06-13	<100	1030	8	4.5	2.5	233	9	36	7	12
*Dup HM-06-25	<100	14700	73	51.5	14.6	275	66	184	<5	5
*Dup HM-06-37	<100	4960	24	12.3	9.7	18	42	180	8	54
*Dup HM-06-49	<100	590	3	1.6	1.2	364	4	23	<5	2
*Dup HM-06-61	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
*Dup HM-06-73	<100	80	9	6.0	2.3	50	7	20	<5	<1
*Dup HM-06-85	<100	320	21	11.6	6.9	37	23	61	<5	<1
*Dup HM-06-97	<100	100	8	4.4	2.6	49	8	21	<5	2
*Dup HM-06-109	<100	1480	9	5.2	2.1	76	7	23	<5	<1

Element	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Rb	Sb	Sc
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	5	0.5	1	5	10	1	1	5	1	5
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
HM-06-1	12	4.6	7	143	20	<1	2	101	<1	32
HM-06-2	17	8.1	24	235	260	<1	6	146	1	46
HM-06-3	24	3.7	47	121	320	<1	11	71	3	52
HM-06-4	10	1.9	46	155	310	<1	11	85	<1	45
HM-06-5	11	1.6	88	90	150	<1	23	159	<1	56
HM-06-6	16	3.5	148	89	200	<1	34	95	1	58
HM-06-7	9	12.5	231	133	270	<1	59	60	2	71
HM-06-8	8	8.7	76	140	140	<1	20	50	1	37
HM-06-9	7	7.0	26	259	300	<1	7	62	1	35
HM-06-10	7	2.9	26	184	240	<1	7	181	1	38
HM-06-11	11	11.3	20	61	450	<1	6	104	2	55
HM-06-12	14	40.3	24	87	80	<1	7	119	2	56
HM-06-13	14	5.3	47	194	40	<1	12	128	2	36
HM-06-14	7	5.6	41	268	130	<1	11	104	2	35
HM-06-15	18	6.7	36	282	50	<1	10	79	4	37
HM-06-16	8	9.5	171	198	580	<1	46	67	5	42
HM-06-17	12	8.2	245	100	460	<1	65	45	22	71
HM-06-18	8	2.1	127	421	200	<1	31	13	11	35
HM-06-19	11	<0.5	446	291	1630	<1	112	22	37	81
HM-06-20	10	3.9	501	241	400	<1	135	110	10	67
HM-06-21	807	3.3	161	881	260	<1	38	133	214	20
HM-06-22	81	1.5	195	311	410	<1	46	46	52	24
HM-06-23	17	16.8	56	173	280	<1	15	70	2	55
HM-06-24	7	2.2	33	252	780	<1	8	101	1	33
HM-06-25	21	3.5	365	293	560	<1	92	32	8	146
HM-06-26	11	2.6	360	308	790	<1	88	29	5	173
HM-06-27	9	2.5	131	212	360	<1	35	24	7	58
HM-06-28	7	3.4	54	294	220	<1	14	68	1	25
HM-06-29	40	10.8	115	218	250	<1	31	101	52	39
HM-06-30	18	14.6	44	148	130	<1	12	88	3	35
HM-06-31	7	2.7	15	116	270	<1	4	201	1	23
HM-06-32	49	7.1	31	254	910	<1	8	140	11	25
HM-06-33	8	4.7	54	259	120	<1	14	140	2	49
HM-06-34	9	2.0	81	276	150	<1	21	148	1	35
HM-06-35	40	26.7	78	166	470	<1	22	185	8	51
HM-06-36	16	9.8	14	106	100	<1	5	102	4	27
HM-06-37	340	3.9	227	598	490	<1	54	172	90	13
HM-06-38	29	23.6	121	123	160	<1	34	85	24	34
HM-06-39	10	1.1	42	176	190	<1	10	119	1	37
HM-06-40	14	15.2	37	92	810	<1	10	170	5	42
HM-06-41	9	3.4	28	195	310	<1	7	127	1	32
HM-06-42	8	1.7	26	110	460	<1	7	144	2	32
HM-06-43	18	1.5	58	208	1260	<1	13	116	2	24
HM-06-44	15	1.5	69	161	780	<1	16	137	3	32
HM-06-45	13	7.9	42	421	440	<1	10	97	1	27
HM-06-46	20	20.3	39	218	790	<1	10	158	3	46
HM-06-47	8	4.4	73	85	240	<1	18	131	1	38
HM-06-48	5	1.0	50	414	260	<1	12	108	<1	31

Element	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Rb	Sb	Sc
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	5	0.5	1	5	10	1	1	5	1	5
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
HM-06-49	6	3.8	13	63	20	<1	4	87	1	14
HM-06-50	6	7.8	10	54	20	<1	3	87	1	14
HM-06-51	14	20.0	73	51	220	<1	19	98	2	52
HM-06-52	<5	3.4	2	43	<10	<1	<1	71	<1	17
HM-06-53	9	11.5	52	101	100	<1	14	30	3	35
HM-06-54	8	7.4	51	170	230	<1	14	67	1	34
HM-06-55	6	2.6	24	170	230	<1	6	148	<1	25
HM-06-56	8	16.7	25	96	50	<1	7	59	1	58
HM-06-57	6	3.7	6	49	100	<1	2	73	<1	34
HM-06-58	8	7.3	27	172	30	<1	8	56	1	20
HM-06-59	7	5.1	15	101	100	<1	4	52	<1	18
HM-06-60	27	21.3	30	154	70	<1	8	62	3	12
HM-06-61	10	5.6	6	52	10	<1	2	41	2	11
HM-06-62	167	41.6	34	124	1000	<1	9	140	45	64
HM-06-63	74	27.0	25	180	420	<1	7	102	6	48
HM-06-64	36	22.3	36	288	1410	<1	9	118	11	45
HM-06-65	9	2.3	41	136	480	<1	10	124	2	17
HM-06-66	6	3.1	50	270	270	<1	12	198	1	26
HM-06-67	10	4.0	71	219	240	<1	18	107	4	30
HM-06-68	11	5.1	82	145	250	<1	19	73	10	28
HM-06-69	6	2.9	30	213	180	<1	7	158	<1	31
HM-06-70	<5	1.4	45	190	170	<1	11	123	<1	31
HM-06-71	<5	1.3	28	106	230	<1	7	106	<1	31
HM-06-72	5	2.6	17	177	120	<1	4	119	<1	24
HM-06-73	5	1.8	25	199	190	<1	6	187	1	27
HM-06-74	8	7.8	44	137	300	<1	11	140	1	32
HM-06-75	7	3.4	24	201	250	<1	6	153	1	29
HM-06-76	12	2.5	63	93	480	<1	17	181	1	25
HM-06-77	7	<0.5	27	92	610	<1	6	104	<1	29
HM-06-78	10	0.5	57	89	890	<1	14	145	1	29
HM-06-79	23	<0.5	23	51	14600	<1	5	113	21	25
HM-06-80	54	2.2	46	165	4480	<1	11	63	29	22
HM-06-81	<5	5.9	82	182	200	<1	24	25	1	19
HM-06-82	6	1.3	51	138	250	<1	12	134	1	29
HM-06-83	6	1.9	21	164	330	<1	5	199	<1	23
HM-06-84	6	1.5	17	63	80	<1	5	78	1	20
HM-06-85	7	3.7	86	115	200	<1	22	111	1	38
HM-06-86	6	6.4	71	143	90	<1	20	84	1	29
HM-06-87	10	15.2	98	116	150	<1	28	88	2	41
HM-06-88	5	4.3	37	89	100	<1	10	51	1	28
HM-06-89	12	14.2	238	56	160	<1	63	44	2	55
HM-06-90	21	10.9	7	108	30	<1	2	44	1	17
HM-06-91	13	2.1	42	126	350	<1	11	139	1	25
HM-06-92	17	8.5	6	130	1960	<1	2	238	1	24
HM-06-93	40	9.0	19	164	1500	<1	5	143	2	33
HM-06-94	11	1.4	47	56	640	<1	11	123	7	32
HM-06-95	9	9.0	48	98	210	<1	12	170	2	30
HM-06-96	7	2.6	53	91	190	<1	13	67	1	38

Element	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Rb	Sb	Sc
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	5	0.5	1	5	10	1	1	5	1	5
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
HM-06-97	6	2.8	31	164	190	<1	8	119	1	21
HM-06-98	<5	1.4	34	272	180	<1	8	110	1	26
HM-06-99	<5	2.4	15	166	130	<1	4	116	<1	18
HM-06-100	<5	0.6	23	223	120	<1	5	45	<1	27
HM-06-101	<5	1.5	32	105	120	<1	8	56	<1	23
HM-06-102	<5	2.1	86	247	170	<1	19	125	<1	32
HM-06-103	5	1.5	13	260	190	<1	3	105	<1	13
HM-06-104	6	0.6	27	151	180	<1	6	64	<1	17
HM-06-105	7	1.9	63	122	250	<1	15	68	<1	32
HM-06-106	13	1.6	147	173	340	<1	34	158	4	26
HM-06-107	7	0.8	13	110	1160	<1	3	52	1	21
HM-06-108	14	4.3	3	43	800	<1	1	58	1	7
HM-06-109	21	1.7	26	54	7140	<1	7	116	2	25
HM-06-110	47	2.3	22	103	200	<1	6	75	4	16
HM-06-111	22	9.1	34	171	210	<1	9	95	1	24
HM-06-112	10	7.9	116	124	60	<1	29	37	1	18
HM-06-113	5	3.2	16	85	60	<1	5	35	1	18
HM-06-114	9	8.8	231	327	400	<1	62	83	2	51
HM-06-115	10	10.7	119	174	90	<1	33	28	2	45
*Dup HM-06-1	11	4.4	4	112	10	<1	1	94	<1	9
*Dup HM-06-13	13	4.8	41	179	40	<1	11	114	2	19
*Dup HM-06-25	13	2.4	244	278	450	<1	62	29	6	108
*Dup HM-06-37	273	4.8	219	483	540	<1	54	145	59	9
*Dup HM-06-49	7	5.7	18	85	30	<1	5	76	2	12
*Dup HM-06-61	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
*Dup HM-06-73	6	1.7	26	169	220	<1	7	186	1	20
*Dup HM-06-85	7	2.8	100	99	190	<1	23	100	1	35
*Dup HM-06-97	6	2.3	30	154	210	<1	8	123	<1	21
*Dup HM-06-109	21	2.0	25	58	6180	<1	7	114	2	28

Element	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	1	10	1	1	10	0.5	3	0.5	1
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
HM-06-1	1	<1	120	3	<1	<10	3.9	1120	0.6	3
HM-06-2	6	1	80	3	2	<10	10.0	1950	<0.5	5
HM-06-3	11	<1	20	2	2	<10	11.6	1000	<0.5	8
HM-06-4	11	<1	60	1	2	<10	5.4	327	<0.5	4
HM-06-5	20	<1	<10	1	4	<10	12.9	277	<0.5	5
HM-06-6	34	<1	20	1	6	<10	26.9	937	<0.5	9
HM-06-7	45	1	220	2	6	<10	63.8	3430	0.7	9
HM-06-8	16	1	50	1	3	<10	17.3	3030	<0.5	5
HM-06-9	6	<1	30	1	1	<10	13.1	2200	<0.5	5
HM-06-10	6	<1	<10	<1	1	<10	6.5	547	<0.5	3
HM-06-11	4	2	180	1	<1	<10	29.6	2300	<0.5	6
HM-06-12	5	6	80	3	<1	<10	15.8	12500	0.6	8
HM-06-13	10	<1	340	<1	2	<10	11.2	1510	<0.5	9
HM-06-14	9	<1	190	<1	2	<10	11.3	1730	<0.5	4
HM-06-15	7	1	630	<1	1	<10	21.6	1760	0.5	9
HM-06-16	32	1	480	1	4	<10	30.4	2440	<0.5	12
HM-06-17	47	<1	120	1	8	<10	89.1	1780	<0.5	22
HM-06-18	27	<1	1050	<1	4	<10	12.9	1520	<0.5	7
HM-06-19	95	<1	1080	<1	15	<10	20.3	25	<0.5	88
HM-06-20	94	<1	570	<1	12	<10	42.3	1300	<0.5	39
HM-06-21	31	<1	430	<1	4	<10	22.8	73	<0.5	231
HM-06-22	38	<1	440	<1	4	<10	15.0	196	<0.5	42
HM-06-23	11	4	260	2	2	<10	22.3	6240	0.7	9
HM-06-24	10	<1	230	<1	3	<10	10.4	600	<0.5	6
HM-06-25	80	<1	490	<1	17	<10	32.2	343	<0.5	389
HM-06-26	92	<1	500	<1	24	<10	40.3	286	<0.5	447
HM-06-27	27	<1	130	<1	5	<10	28.4	532	<0.5	21
HM-06-28	12	<1	60	<1	2	<10	14.9	716	<0.5	6
HM-06-29	23	3	270	<1	3	<10	28.7	4010	0.6	12
HM-06-30	10	2	80	1	2	<10	18.9	4200	<0.5	6
HM-06-31	4	<1	170	<1	<1	<10	5.2	441	<0.5	3
HM-06-32	7	<1	420	<1	1	<10	20.4	2080	<0.5	5
HM-06-33	11	<1	80	<1	2	<10	13.1	1390	<0.5	5
HM-06-34	19	<1	100	<1	3	<10	23.4	424	<0.5	6
HM-06-35	16	4	260	2	2	<10	26.2	9600	<0.5	7
HM-06-36	3	<1	180	<1	<1	<10	11.4	2820	<0.5	4
HM-06-37	42	<1	670	<1	6	<10	31.5	59	<0.5	56
HM-06-38	21	3	360	2	3	<10	27.5	9120	<0.5	7
HM-06-39	10	<1	130	<1	2	<10	5.3	299	<0.5	4
HM-06-40	8	1	110	1	1	<10	16.3	3560	<0.5	6
HM-06-41	8	<1	120	<1	2	<10	10.1	1000	<0.5	4
HM-06-42	6	<1	10	<1	2	<10	7.2	318	<0.5	4
HM-06-43	15	<1	30	<1	3	<10	5.4	372	<0.5	4
HM-06-44	16	<1	20	<1	3	<10	9.8	306	<0.5	4
HM-06-45	10	<1	240	<1	2	<10	12.0	3320	<0.5	4
HM-06-46	9	3	150	2	2	<10	29.6	6600	<0.5	7
HM-06-47	17	<1	<10	2	3	<10	15.7	1380	<0.5	6
HM-06-48	11	<1	120	<1	2	<10	7.3	138	<0.5	4

Element	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	1	10	1	1	10	0.5	3	0.5	1
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
HM-06-49	3	<1	70	<1	<1	<10	7.5	799	<0.5	3
HM-06-50	2	1	40	<1	<1	<10	6.6	1990	<0.5	2
HM-06-51	16	3	<10	2	3	<10	31.7	5600	<0.5	12
HM-06-52	<1	<1	40	<1	<1	<10	5.1	761	<0.5	2
HM-06-53	11	2	20	1	2	<10	15.5	4030	<0.5	8
HM-06-54	11	<1	20	<1	2	<10	12.8	2280	<0.5	6
HM-06-55	5	<1	40	<1	1	<10	5.1	712	<0.5	4
HM-06-56	6	3	60	1	1	<10	10.3	5310	<0.5	6
HM-06-57	1	<1	30	<1	<1	<10	10.0	683	<0.5	4
HM-06-58	6	<1	50	<1	<1	<10	12.0	3620	0.6	6
HM-06-59	3	<1	180	<1	<1	<10	10.1	1140	<0.5	3
HM-06-60	6	<1	370	2	<1	<10	13.6	4710	0.6	6
HM-06-61	1	<1	220	<1	<1	<10	3.3	1470	<0.5	2
HM-06-62	8	8	300	3	1	<10	19.4	12600	<0.5	6
HM-06-63	6	5	120	2	1	<10	10.9	9660	<0.5	5
HM-06-64	8	4	270	2	2	<10	10.9	7070	<0.5	4
HM-06-65	9	<1	50	<1	2	<10	8.2	555	<0.5	4
HM-06-66	11	<1	170	<1	2	<10	11.0	899	<0.5	4
HM-06-67	15	<1	180	<1	3	<10	13.3	1090	<0.5	6
HM-06-68	17	<1	120	<1	3	<10	9.7	1650	<0.5	6
HM-06-69	7	<1	310	<1	2	<10	6.8	825	<0.5	5
HM-06-70	11	<1	30	<1	2	<10	7.3	275	<0.5	4
HM-06-71	7	<1	20	<1	2	<10	5.6	316	<0.5	4
HM-06-72	4	<1	80	<1	<1	<10	4.6	760	<0.5	3
HM-06-73	6	<1	20	<1	1	<10	6.3	315	<0.5	3
HM-06-74	10	<1	40	<1	2	<10	12.4	2660	<0.5	4
HM-06-75	6	<1	50	<1	1	<10	9.5	778	<0.5	5
HM-06-76	13	<1	160	<1	2	<10	15.9	698	<0.5	8
HM-06-77	7	<1	<10	<1	2	<10	3.1	87	<0.5	2
HM-06-78	13	<1	10	<1	3	<10	4.0	125	<0.5	3
HM-06-79	7	<1	<10	<1	2	<10	3.0	76	<0.5	4
HM-06-80	12	<1	240	<1	3	<10	11.2	502	<0.5	7
HM-06-81	15	<1	800	<1	2	<10	46.5	918	<0.5	14
HM-06-82	13	<1	60	<1	3	<10	9.3	292	<0.5	6
HM-06-83	5	<1	290	<1	1	<10	5.5	466	<0.5	4
HM-06-84	4	<1	30	<1	<1	<10	7.0	299	<0.5	4
HM-06-85	20	<1	<10	<1	4	<10	14.6	1020	<0.5	5
HM-06-86	14	<1	40	<1	2	<10	25.2	1640	0.5	8
HM-06-87	22	2	10	1	3	<10	44.0	5370	0.5	10
HM-06-88	8	<1	10	<1	1	<10	12.0	1480	<0.5	9
HM-06-89	46	2	<10	1	6	<10	14.5	5840	<0.5	6
HM-06-90	2	2	90	<1	<1	<10	4.2	3960	<0.5	2
HM-06-91	9	<1	<10	<1	2	<10	8.6	631	<0.5	5
HM-06-92	2	1	390	<1	<1	<10	5.6	2680	<0.5	3
HM-06-93	5	1	50	2	1	<10	11.7	2610	<0.5	5
HM-06-94	10	<1	<10	<1	2	<10	5.6	278	<0.5	4
HM-06-95	11	1	60	1	2	<10	10.4	3050	<0.5	4
HM-06-96	13	<1	<10	<1	2	<10	10.8	636	<0.5	4

Element	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	1	10	1	1	10	0.5	3	0.5	1
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
HM-06-97	8	<1	170	<1	2	<10	9.8	511	<0.5	4
HM-06-98	8	<1	140	<1	2	<10	4.4	273	<0.5	2
HM-06-99	4	<1	90	<1	1	<10	5.0	520	<0.5	3
HM-06-100	6	<1	110	<1	2	<10	4.6	141	<0.5	4
HM-06-101	8	<1	30	<1	1	<10	5.9	314	<0.5	4
HM-06-102	21	<1	30	<1	4	<10	9.0	778	<0.5	3
HM-06-103	3	<1	50	<1	<1	<10	4.7	229	<0.5	3
HM-06-104	7	<1	10	<1	2	<10	4.8	98	<0.5	3
HM-06-105	15	<1	90	<1	3	<10	13.5	505	<0.5	6
HM-06-106	31	<1	220	<1	5	<10	11.0	381	<0.5	6
HM-06-107	4	<1	30	<1	1	<10	3.3	189	<0.5	2
HM-06-108	<1	<1	60	<1	<1	<10	3.5	1150	<0.5	2
HM-06-109	7	<1	10	<1	2	<10	12.6	248	<0.5	7
HM-06-110	5	<1	20	<1	<1	<10	10.9	443	<0.5	7
HM-06-111	8	1	150	<1	2	<10	8.6	2990	<0.5	5
HM-06-112	20	<1	150	<1	2	<10	19.0	1560	<0.5	9
HM-06-113	3	<1	10	<1	<1	<10	6.4	796	<0.5	2
HM-06-114	41	<1	310	<1	6	<10	49.7	1910	<0.5	11
HM-06-115	21	1	150	<1	3	<10	36.7	3360	<0.5	10
*Dup HM-06-1	1	<1	140	<1	<1	<10	3.1	1220	<0.5	3
*Dup HM-06-13	9	<1	320	<1	1	<10	9.4	1420	<0.5	9
*Dup HM-06-25	54	<1	470	<1	7	<10	23.8	251	<0.5	359
*Dup HM-06-37	41	<1	660	<1	5	<10	31.8	85	<0.5	48
*Dup HM-06-49	4	<1	80	<1	<1	<10	10.0	1040	<0.5	4
*Dup HM-06-61	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
*Dup HM-06-73	7	<1	10	<1	1	<10	6.2	262	<0.5	3
*Dup HM-06-85	22	<1	<10	<1	4	<10	13.6	830	<0.5	5
*Dup HM-06-97	8	<1	160	<1	2	<10	8.6	415	<0.5	4
*Dup HM-06-109	6	<1	10	<1	1	<10	13.4	305	<0.5	7

Element	W	Y	Yb	Zn	Zr
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	5	1	20	5
Units	PPB	PPB	PPB	PPB	PPB
HM-06-1	5	9	2	<20	13
HM-06-2	4	52	6	50	30
HM-06-3	3	90	9	60	29
HM-06-4	2	87	7	30	16
HM-06-5	2	129	10	<20	28
HM-06-6	2	176	14	50	39
HM-06-7	4	159	14	100	78
HM-06-8	2	70	5	50	34
HM-06-9	1	39	4	40	27
HM-06-10	2	57	6	80	21
HM-06-11	3	21	2	1320	113
HM-06-12	3	22	2	170	79
HM-06-13	1	50	5	190	39
HM-06-14	<1	63	5	140	26
HM-06-15	2	39	3	270	31
HM-06-16	2	87	6	100	46
HM-06-17	2	197	19	310	79
HM-06-18	2	143	12	1160	15
HM-06-19	<1	478	30	60	25
HM-06-20	1	265	20	90	34
HM-06-21	2	116	8	600	31
HM-06-22	2	107	7	930	24
HM-06-23	2	50	4	290	59
HM-06-24	1	113	9	1260	16
HM-06-25	1	687	58	80	109
HM-06-26	1	1110	85	160	103
HM-06-27	2	185	17	90	174
HM-06-28	<1	61	5	350	27
HM-06-29	2	74	8	140	54
HM-06-30	1	37	4	310	65
HM-06-31	<1	24	3	280	16
HM-06-32	<1	33	3	6360	36
HM-06-33	<1	76	8	5550	34
HM-06-34	<1	87	6	4050	41
HM-06-35	2	47	4	3430	71
HM-06-36	<1	10	2	460	28
HM-06-37	<1	149	11	500	49
HM-06-38	1	53	4	400	154
HM-06-39	<1	65	5	500	15
HM-06-40	<1	35	4	1830	53
HM-06-41	<1	50	4	6120	30
HM-06-42	<1	56	6	1430	22
HM-06-43	<1	107	9	2500	17
HM-06-44	<1	90	7	2660	24
HM-06-45	2	58	5	1320	28
HM-06-46	1	56	5	950	69
HM-06-47	2	66	5	70	41
HM-06-48	<1	83	6	100	17

Element	W	Y	Yb	Zn	Zr
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	5	1	20	5
Units	PPB	PPB	PPB	PPB	PPB
HM-06-49	<1	10	1	20	22
HM-06-50	<1	9	1	50	27
HM-06-51	3	53	4	140	106
HM-06-52	<1	<5	<1	<20	19
HM-06-53	1	47	6	300	47
HM-06-54	<1	63	6	50	40
HM-06-55	<1	58	5	50	16
HM-06-56	1	25	3	140	48
HM-06-57	1	7	1	80	41
HM-06-58	2	22	3	80	28
HM-06-59	<1	22	3	70	20
HM-06-60	<1	18	2	120	49
HM-06-61	<1	<5	<1	<20	14
HM-06-62	8	36	4	1950	81
HM-06-63	2	30	4	1670	56
HM-06-64	1	37	3	1710	53
HM-06-65	<1	66	5	400	19
HM-06-66	<1	67	6	1800	21
HM-06-67	<1	82	7	1600	35
HM-06-68	<1	106	9	130	28
HM-06-69	<1	59	5	100	21
HM-06-70	<1	70	6	60	20
HM-06-71	<1	56	6	110	15
HM-06-72	<1	29	3	100	16
HM-06-73	<1	43	5	300	16
HM-06-74	<1	51	4	1180	42
HM-06-75	<1	40	5	3110	26
HM-06-76	<1	55	3	740	29
HM-06-77	<1	81	7	1800	12
HM-06-78	<1	114	7	70	13
HM-06-79	<1	73	7	240	11
HM-06-80	<1	82	6	80	25
HM-06-81	<1	65	8	60	20
HM-06-82	<1	84	6	130	22
HM-06-83	<1	55	5	170	15
HM-06-84	<1	30	4	140	17
HM-06-85	<1	108	10	100	31
HM-06-86	<1	54	6	20	35
HM-06-87	2	70	6	40	77
HM-06-88	<1	51	4	20	24
HM-06-89	1	144	11	30	49
HM-06-90	<1	11	2	70	25
HM-06-91	<1	64	6	30	22
HM-06-92	<1	24	3	2340	29
HM-06-93	2	45	5	1200	46
HM-06-94	1	100	8	740	15
HM-06-95	<1	48	4	300	41
HM-06-96	2	70	7	280	27

Element	W	Y	Yb	Zn	Zr
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	5	1	20	5
Units	PPB	PPB	PPB	PPB	PPB
HM-06-97	1	42	4	170	23
HM-06-98	1	60	5	890	12
HM-06-99	<1	34	4	<20	15
HM-06-100	<1	68	6	30	10
HM-06-101	<1	50	5	120	16
HM-06-102	4	135	9	40	17
HM-06-103	<1	31	4	290	13
HM-06-104	<1	55	4	40	7
HM-06-105	<1	78	5	440	24
HM-06-106	<1	160	10	690	20
HM-06-107	1	58	6	390	11
HM-06-108	<1	5	<1	350	17
HM-06-109	<1	55	5	980	35
HM-06-110	<1	21	2	<20	36
HM-06-111	<1	47	4	50	34
HM-06-112	<1	47	4	70	41
HM-06-113	1	21	3	140	18
HM-06-114	1	117	9	410	54
HM-06-115	1	96	10	110	47
*Dup HM-06-1	<1	10	2	<20	14
*Dup HM-06-13	<1	43	4	140	29
*Dup HM-06-25	1	514	32	50	70
*Dup HM-06-37	<1	151	10	360	65
*Dup HM-06-49	1	16	1	40	31
*Dup HM-06-61	I.S.	I.S.	I.S.	I.S.	I.S.
*Dup HM-06-73	<1	53	5	300	21
*Dup HM-06-85	1	111	9	90	27
*Dup HM-06-97	<1	45	3	150	21
*Dup HM-06-109	<1	41	4	980	39