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GROUPE CONSEIL DOZ INC.

RAPPORT GÉOSTATISTIQUE

DU

PROJET MURDOCHVILLE -- CHICS-CHOCS

POUR

EXPLORATIONS NORANDA INC.

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AVRIL 1989

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Ce rapport décrit les différents travaux effectués dans le domaine du traitement des données de concentrés de minéraux lourds provenant des régions de Murdochville et des Chics-Chocs. 1847 échantillons des deux régions ont été considérés dans ce traitement.

Quatre types de travaux ont été exécutés: codification de l'information géologique, analyse de régression, calcul de pondération et analyse des correspondances. La codification géologique a consisté a représenter sur des cartes 1:50 000, les bassins de drainage ainsi que la géologie sous-jacente. L'analyse de régression a été exécutée sur les variables pertinentes des deux régions, soit: Au, Cu et W pour la région de Murdochville et Au, Cu et Sb pour la région des Chics-Chocs. Cette analyse de régression utilise l'information des bassins de drainage et de la géologie codifiée afin de filtrer les effets des différents bruits de fonds lithologiques et ainsi refléter les anomalies réelles. Le calcul de pondération a été effectué à partir des matrices de corrélation simple tirées pour chaque région. Un modèle adapté à chaque région, pour l'or et le cuivre a été ajusté; les anomalies ont été déterminées par l'application d'un seuil sur chaque variable de pondération retenue. Une analyse des correspondances a été calculée pour chaque région basée sur les échantillons dont l'or est anomalique; cette analyse des correspondances a permis de préciser les modèles d'exploration pour l'or dans ces deux régions concernées.

Finalement, les résultats du traitement ont permis de sélectionner des secteurs propices pour l'exploration détaillée au niveau des minéralisations aurifères et cuprifères.

ABSTRACT

This report describes the set of techniques used in the data processing of heavy mineral concentrates coming from the Murdochville and the Chics-Chocs areas. 1847 samples have been considered in this present study.

4 types of processing have been done: catchment basin and geological codification, multiple regression analysis, weitghed procedures for anomaly selection and correspondence analysis. Geological codification consisted in the representation of both geological and catchment basin information on 1:50 000 maps. Multiple regression analysis has been performed on selected variables from the two areas: Au, Cu and W for the Murdochville area and Au, Cu an Sb for the Chics-Chocs area. The multiple regression technique uses all codified information from catchment basin and geological maps in order to reveal real anomalies masked by different levels of background. Weighted procedures based on simple correlation matrices have been applied for both areas in order to derive gold and copper anomalies. These anomalies have been determined by a single threshold applied on each weighted variable of interest. A correspondence analysis has been calculated, for each area, on the subset of samples anomalous in gold; this lalter technique precised exploration models to be retained for each area.

Finally, results of the entire data processing allowed us to select some highly potential sectors for detailed exploration for both copper and gold mineralization.

I TRAITEMENT GEOSTATISTIQUE DES DONNEES DE SEDIMENTS DE RUISSEAUX (CONCENTRES DE MINERAUX LOURDS) DU PROJET MURDOCHVILLE - CHICS-CHOCS.

I.1 INTRODUCTION

Le traitement géostatistique des données de sédiments de ruisseaux du projet Murdochville-Chics-Chocs a pour but d'établir des secteurs d'intérêt pour une prospection future pour l'or et le cuivre et suggérer certains modèles d'exploration pour ces substances.

I.2 ÉCHANTILLONS

836 échantillons proviennent des Chics-Chocs (22 G/1, 22 B/10, 22 B/15, 22 B/16, 22 B/9) et 1011 échantillons proviennent de la région de Murdochville (22 A/14, 22 A/3, 22 H/4, 22 H/3). La totalité des échantillons sont des concentrés de minéraux lourds qui ont été obtenus durant l'été 1988.

I.3 ANALYSES

Les échantillons de concentrés de minéraux lourds ont été analysés pour 33 éléments mineurs (Murdochville) et 35 éléments mineurs (Chics-chocs). Pour la région de Murdochville les 33 éléments mineurs suivants ont été analysés:

Au, poids de l'échantillon, Cu, Pb, Zn, Mo, Co, Ni, Ag, Cd, Cr, Li, V, B, Be, Bi, Ga, Te, Tl, W, Ba, Ce, La, Nb, Rb, Sc, Sn, Sr, Ta, Y, Zr.

Pour la région des Chics-Chocs, les mêmes éléments que Murdochville plus le Pt et le Pd ont été analysés. L'ensemble des éléments mineurs a été analysé par I.C.P. La méthode I.C.P. est une procédure d'extraction partielle des éléments chimiques; elle introduit des variations analytiques causées par des matrices différentes. Les éléments comme Mo, As, Be, Te, Tl, Sb, Sn et Ta ont des limites de détection trop élevées. Cependant la précision et l'efficacité de la méthode est raisonnable.

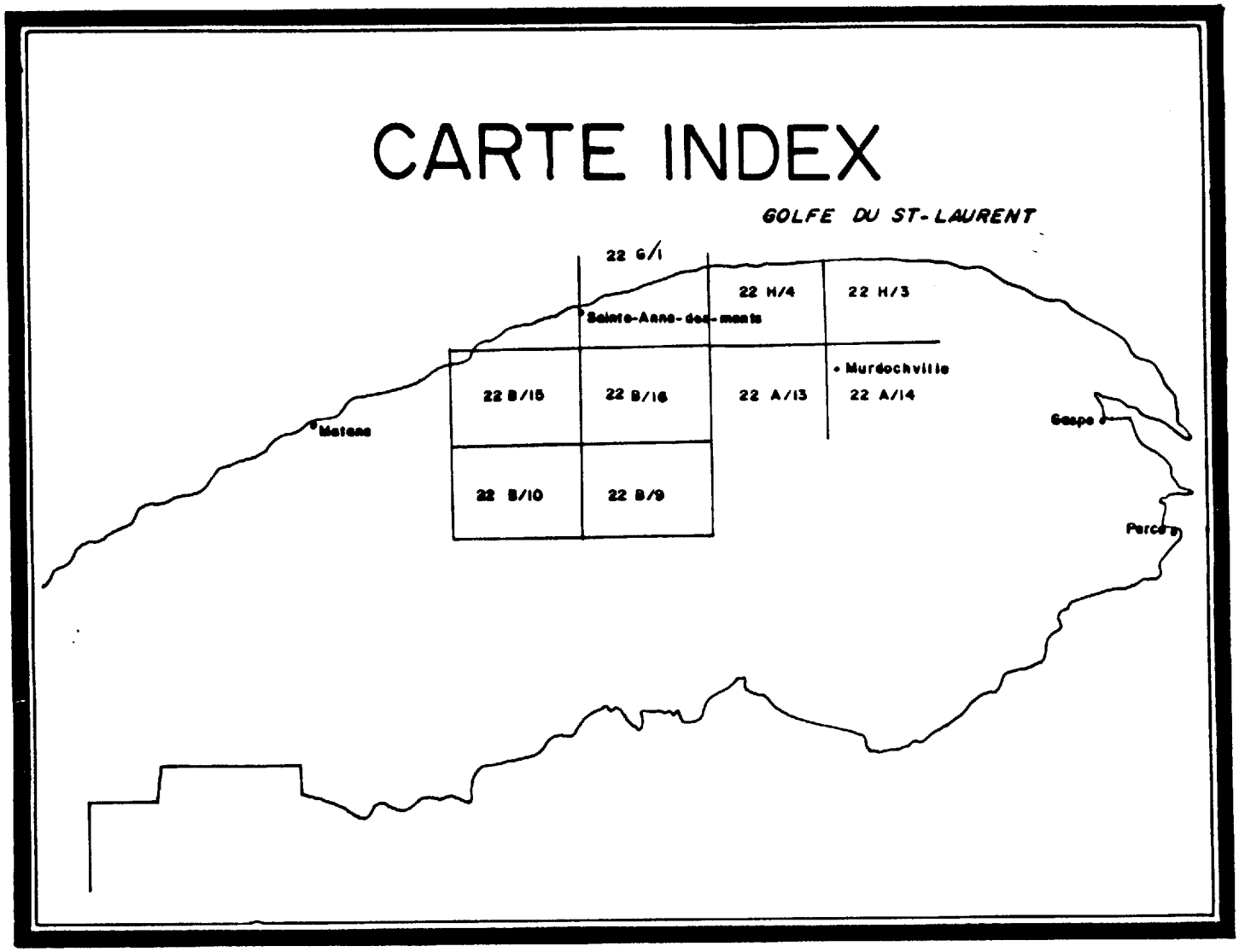

Figure I Carte de la localisation

II PROBLÉMATIQUE

Le but de cette étude géostatistique est de cerner les zones d'intérêt pour la minéralisaiton en cuivre (sulfures) et en or. Le traitement des données vise a refléter de la manière la plus précise et fiable possible les anomalies en or et en cuivre. A ce titre, un traitement statistique adapté aux concentrés de minéraux lourds provenant de sédiments de ruisseaux est proposé (voir, Bonham-Carter 1987). La première étape du traitement des données consiste à intégrer les résultats analytiques dans une banque de données. Par la suite, les bassins de drainage et la géologie sous-jacente sont codifiés.

Deux types de procédures statistiques sont proposés: l'analyse de régression et le traitement de pondération. L'analyse de régression a été effectuée pour les variables pertinentes: Cu, Au et Sb (Chics-Chocs) et W (Murdochville). Cette technique vise à corriger les valeurs d'or, de cuivre, d'antimoine et de tungstène des effets lithologiques ainsi que de tenir compte de phénomènes structuraux importants à l'échelle semi-régionale à régionale. Les équations de régression linéaire suivantes ont été calculées:

$$\hat{Au} = \sum_{i=1}^{18} \hat{a}i\ xi + \hat{C}au \qquad \text{(Murdochville)}$$

$$\hat{Cu} = \sum_{i=1}^{18} \hat{b}i\ xi + \hat{C}cu \qquad \text{(Murdochville)}$$

$$\hat{W} = \sum_{i=1}^{18} \hat{c}i\ xi + \hat{C}w \qquad \text{(Murdochville)}$$

$$\hat{Au} = \sum_{i=1}^{22} \hat{d}i\ xi + \hat{D}au \qquad \text{(Chics-Chocs)}$$

$$\hat{Cu} = \sum_{i=1}^{22} \hat{e}i\ xi + \hat{D}cu \qquad \text{(Chics-Chocs)}$$

$$\hat{Sb} = \sum_{i=1}^{22} \hat{f}i\ xi + \hat{D}sb \qquad \text{(Chics-Chocs)}$$

II PROBLÉMATIQUE (suite)

Les coefficients estimés $\hat{a}i$, $\hat{b}i$, $\hat{c}i$, $\hat{d}i$, $\hat{e}i$, $\hat{f}i$ ainsi que les constantes $\hat{C}au$, $\hat{C}cu$, $\hat{C}w$, $\hat{D}au$, $\hat{D}cu$ et $\hat{D}sb$ représentent la contribution de chaque lithologie ou phénomène structural dans la prédiction des variables Au, Cr, Sb et W. Les anomalies sont donc égales à:

Au - $\hat{Au}$
Cu - $\hat{Cu}$
W - $\hat{W}$
Sb - $\hat{Sb}$

Les anomalies sont donc équivalentes à la différence entre la valeur actuelle de Au, Cu, W et Sb et la valeur prédite par la régression de ces mêmes variables.

Finalement, les histogrammes de Au - $A\hat{u}$, Cu - $C\hat{u}$, W - $\hat{W}$ et Sb - $\hat{Sb}$ ont été calculés. L'interprétation de ces histogrammes permet de déterminer les populations anomaliques; i.e. fortement ou faiblement anomaliques.

Le choix de Sb et W a été motivé par l'examen de la distribution des éléments en présence: Sb possède un fort coefficient de variation dans la région des Chics-Chocs tandis que W possède un fort coefficient de variation dans le secteur de Murdochville.

La deuxième procédure de traitement consiste à identifier les relations multiélémentaires associées au cuivre et à l'or. Pour ce faire, l'examen des matrices de corrélation permet de déterminer les associations multiélémentaires.

L'histogramme de chaque élément est calculé et le seuil anomalique est déterminé. Une équation de pondération est construite pour chaque substance. Une nouvelle valeur, dite de pondération, est calculée à chaque site d'échantillonnage et correspond à la somme des poids de chaque élément anomalique faisant partie de l'équation de pondération.

La première procédure de traitement est locale et permet de saisir les subtilités de la distribution de l'or, du cuivre, du tungstène et de l'antimoine. La deuxième procédure de traitement est globale et permet de vérifier la distribution régionale et/ou semi-régionale d'un certain modèle de minéralisation pour le cuivre et l'or.

III GÉOLOGIE

III.1 INTRODUCTION

La partie géologique du projet a consisté à prendre toute l'information disponible de terrain jusqu'a ce jour et l'intégrer à l'information des bassins de drainage. Cette partie du travail se veut la présentation des cartes disponibles, du traitement de ces cartes, du transfert de l'information géologique sur les cartes topographiques, de la relation entre les cartes, de la colonne stratigraphique finale et enfin de la codification de la lithologie et des phénomènes structuraux.

III.2 LES CARTES DISPONIBLES

Plusieurs cartes étaient disponibles à des échelles différentes et, dans leur ensemble, couvrent toute la région d'échantillonnage des sédiments de ruisseaux. Voici la liste bibliographique de ces cartes:

1 Mc Gerrigle, H.W. (1952) et Skidmore, W. B. (1967)

Carte géologique, Péninsule de Gaspé
Service de l'exploration géologique
Ministère des Richesses Naturelles, Québec
Carte numéro 1642
Echelle: 1:250000

Cette carte couvre toute la région

2 Mc Gerrigle, H.W. (1956), Région de la rivière Madeleine

District électoral de Gaspé-Nord
Service de la cartographie du Ministère
des Mines, Québec
Rapport géologique numéro 77
Carte numéro 1225
Echelle: 1:63360

Cette carte couvre 22 H/3 et 22 H/6

III.2 LES CARTES DISPONIBLES (suite)

3 Skidmore, W.B. (1955), Région de Castonguay-Mourier

Service d'exploration géologique
Ministère des Richesses Naturelles, Québec
Carte du rapport géologique numéro 105
Carte numéro 1481
Echelle: 1:63360

Cette carte couvre 22 A/13, 22 A/14

4 Carbonneau, C. (1959), Région de Richard-Gravier

Service de la carte géologique
Ministère des Mines, Canada
Carte du rapport géologique numéro 90
Carte numéro 1253
Echelle: 1:63360

Cette carte couvre 22 B/9

5 Beaudin, J. (1977), Géologie du lac Cascapédia et du Mont Albert

Ministère de l'Energie et des Ressources du Québec
Accompagne le DPV-705
2 cartes
Echelle: 1:20000

Ces cartes couvrent 22 B/16

6 Duquette, G. (1980), Carte géologique des environs de la mine Sullipek

Ministère de l'Energie et des Ressources du Québec
Accompagne le DPV-795
Echelle: 1:50000

Cette carte couvre 22 B/16 et 22 A/13

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III.2 LES CARTES DISPONIBLES (suite)

7 Valiquette, G. et Doyon, M (1986), Géologie des environs du dome de Lemieux

Ministère de l'Energie et des Ressources du québec
Accompagne le rapport MB-86-48
Echelle: 1:20000

Cette carte couvre 22 B/16

8 De Romer, H.S. (1968), Région de la riviée Madeleine Nord, comté de Gaspé Nord

Service des gîtes minéraux
Ministère des Richesses naturelles du Québec
Carte du rapport préliminaire numéro 594
Carte numéro 1719
Echelle: 1:12000

Cette carte couvre 22 A/13

9 La Chambre, G. (1981), Le Silurien et le Dévonien basal de la région des cantons de LESSEPS et de LEMIEUX, feuillet est et ouest

Ministère de l'Energie et des Ressources du Québec
Rapport ET-84-06
Echelle: 1:20000

Cette carte couvre 22 B/16

10 Rheault, M. (1983), Géologie de la région de Murdochville

Ministère de l'Energie et des Ressources du Québec
Carte du rapport ET-85-06
Echelle: 1:50000

Cette carte couvre 22 A/14, 22 H/3 et 22 H/6

III.2 LES CARTES DISPONIBLES (suite)

11 Amyot, G. (1983), Géologie de la région de Bonnecamp

Ministère de l'Energie et des Ressources du Québec
Carte 2019 du rapport ET-85-07
Echelle: 1:50000

Cette carte couvre 22 A/13, 22 H/3 et 22 H/6

12 La Chambre G. (1982), Le Silurien et le Dévonien basal de la région des cantons de Joffre de Faribault et de Richard, feuillets est et ouest

Ministère de l'Energie et des Ressources du Québec
Carte du rapport ET-84-06

Cette carte couvre 22 B/15 et 22 B/16

13 Lachance, S (1973), Boisbuisson (NW), feuille ouest

Service des gîtes minéraux
Ministère de l'Energie et des Ressources du Québec
Carte du rapport géologique no 187
Carte no 1848

Cette carte couvre 22 H/4

III.3 TRAITEMENT DES CARTES

Les cartes géologiques disponibles s'étendent sur une période de plus de 30 ans, sont à différentes échelles (métriques et impériales), ont été effectuées par différents géologues dont les buts étaient différents (à savoir: cartographie géologique, exploration minérale ou prospection). Un traitement de base de l'information géoligique a donc été effectué pour que celle-ci soit la plus uniforme possible sur tout le territoire. Pour ce faire, nous avons choisi comme carte de base, celle de Skidmore (1967). Cette carte de compilation régionale est la carte originale à partir de laquelle des changements ont été effectués à l'aide des cartes plus récentes. Cette dernière a aussi servi a extraire de l'information pour combler les endroits où la géologie de détail est inexistante.

III.4 TRANSFERT DE L'INFORMATION SUR LES CARTES TOPOGRAPHIQUES

La géologie cartographiée aux multiples échelles a été ramenée à l'échelle 1:50000 des cartes topographiques et des bassins hydrographiques. Le transfert a imposé l'oubli de certaines lithologies trop locales pour être convenablement cartographiées et localisées.

III.5 RELATION ENTRE LES CARTES

Toutes les cartes géologiques (à l'exception de la carte régionale de base) ne couvraient qu'une partie des cartes topographiques au 1:50000. Dans certains cas, deux et même trois cartes géologiques différentes font partie de la même carte topographique. Des corrections concernant la continuité des unités lithologiques ont été effectuées d'une carte à l'autre à partir de la carte régionale de base et des différentes lithologies apparaissant sur les différentes cartes. Malgré les différentes cartographies et échelles, la continuité entre les cartes a été délimitée sans problèmes majeurs.

III.6 COLONNE STRATIGRAPHIQUE POUR LES BESOINS DE L'ÉTUDE

Considérant la région à couvrir, les unités lithologiques impliquées, la nature régionale des données et le processus de codification, une échelle stratigraphique adaptée aux besoins de l'intégration des bassins de drainage par période géologique a été construite. Par souci de simplicité, les unités ont été codées des plus vielles aux plus jeunes.

CAMBRIEN

Code V1 **GROUPE DES CHICS-CHOCS**

Skarn à amphibole, diopside et feldspath, cornéenne rubannée grenatifère, Skarn grenatifère
Inclut la formation Cap des Rosiers

Code V2 **GROUPE DE DEEPKILL** (Groupe de Québec)

Conglomérat calcaireux, roches volcaniques
Inclut la formation 2m de Lachance (1973)
Inclut la formation Deslandes

CAMBRIEN (suite)

Code V3 GROUPE DE NORMANSVILLE (Groupe de Québec)

Schiste argileux, grès avec quelques minces couches de calcaire
Inclut le groupe de la Rivière Matane

SILURIEN INFÉRIEUR A DEVONIEN INFÉRIEUR

Code V4 FORMATION ST-LEON

Calcaire argileux Modulaire et silstone rouge-vert

Code V5 FORMATION SAYABEC

Wackestone à crinoïdes
Inclut la formation de Gascons
Inclut la formation de West Point
Inclut la formation de Indian Point

FORMATION DE VAL BRILLANT

Grès quartzeux blanc

FORMATION DE AWANTUISH

Shale gris et vert riche en brachïopodes

DEVONIEN INFÉRIEUR

Code V6 CALCAIRE DE BON-AMI

Schistes et micro-grès calco-argileux
Schistes argileux
Inclut la formation de Forillon

Code V7 FORMATION DE SHIPHEAP

Calcaire argileux et Mudstone noir

Code V8 FORMATION D'INDIAN COVE

Calcaire siliceux et cherteux

DEVONIEN INFÉRIEUR (suite)

Code V9 FORMATION DE GRANDE GREVE

Micro-grès argilo-calcaireux

Code V10 GROUPE DE FORTIN

Ardoises, grès et conglomérats
Inclut la formation York lake
(grès, silstone, mudstone calcaireux)

Code V11 FORMATION YORK RIVER 1

Grès feldspathique ansi que la composante de Valiquette et Doyon (1986)

Code V12 FORMATION YORK RIVER 2

Volcanites basiques

Code V13 FORMATION YORK RIVER 3

Volcaniques acides laminées

Code V14 FORMATION YORK RIVER 4

Felsites porphyriques rouges

Code V15 FORMATION YORK RIVER 5

Brèches polymictes

DEVONIEN INFÉRIEUR A MOYEN

Code V16 FORMATION LAKE BRANCH

Grès et schistes argileux à couches rouges et vertes

Code V17 FORMATION BATTERY POINT

Grès, schistes argileux et conglomérats
Roches volcaniques (andésites, basaltes, rhyolites porphyriques)

Code V18 DYKES ET INTRUSIONS MAFIQUES

Code V19 DYKES ET FILONS-COUCHES FELSIQUES

Code V20 INTRUSIONS PORPHYRIQUES

Code V21 BATHOLITE MCGERRIGLE

Code V22 DYKE GRANITIQUE

GÉOLOGIE STRUCTURALE

Code V23 FAILLE

Code V24 CHARNIERE DE PLI

Code F25 FLANC DE PLI

III.7 CODIFICATION DES LITHOLOGIES ET STRUCTURES

La codification des lithologies en relation avec les bassins hydrographiques a été effectuée de façon systématique. Chaque lithologie incluse dans le bassin a été notée, quelque soit son pourcentage d'occupation on d'influence sur le bassin. Cette codification a été effectuée manuellement.

Pour ce qui est des structures, la codification a aussi été systématique: tout phénomène structural présent (code V23 à V25) à l'intérieur d'un bassin a été pris en considération.

IV ANALYSE DE RÉGRESSION

IV.1 INTRODUCTION

Le traitement de données de sédiments de ruisseaux (concentrés de minéraux lourds) est basé sur la compilation des bassins de drainage. La valeur de chaque lithologie prend la forme d'une variable binaire, où:

Vi = 1 si lithologie Vi est présente dans le bassin

0 autrement

L'ensemble des bassins est codé de cette manière. Par la suite, un fichier numérique est crée et est fusionné à chaque échantillon représentant le bassin.

Une équation de régression est calculée pour les éléments pertinents. Le but de cette régression est de filtrer les éléments des effets lithologiques. En effet, calculer un seuil anomalique sur la valeur brute d'un élément implique que le bruit de fond est homogène alors qu'en réalité, plusieurs bruits de fond existent parce qu'au niveau régional et/ou semi régional, les différences lithologiques et structurales sont nettes et affectent la distribution des éléments dans les sédiments de ruisseaux. Par conséquent, il est nécessaire de considérer le fait que l'on a plusieurs bruits de fond et il importe de corriger les données des effets des différents bruits de fond. une méthode efficace pour corriger et filtrer consiste, justement, à régresser un élément pertinent versus les valeurs numérisées des différentes lithologies.

Ainsi, les éléments pertinents sont régressés en fonction des lithologies. Par la suite, la valeur prédite de l'élément par la régression (qui correspond au bruit de fond lithologique corrigé par la structure) est soustrait de la valeur brute. Cette dernière valeur, alors corrigée des effets de bruit de fond, représente alors une variable objective pour un élément donné. L'application d'un seuil anomalique sur cette variable détermine des anomalies qui reflètent des concentrations d'éléments dans ou à proximité du bassin. Cependant, les effets du transport glaciaire et des variables topographiques ainsi que de la contamination n'a pas été pris en considération au niveau numérique. Par contre, ces effets seront considérés lors de l'interprétation et par addition supplémentaire d'informations structurales (linéaments et phénomènes structuraux issus d'images LANDSAT et RADAR).

IV.2 RÉSULTATS POUR LA RÉGION DE MURDOCHVILLE

Pour la région de Murdochville, les valeurs des éléments suivants: Au, Cu et W ont été régressés en fonction de 19 variables (15 lithologies, 3 variables structurales + 1 constante). Les paramètres de régression des éléments sont illustrés au tableau 1.

TABLEAU 1 PARAMETRES DE RÉGRESSION POUR LES ÉLÉMENTS AU, CU, W POUR LA RÉGION DE MURDOCHVILLE

CODE	AU	CU	W
V1	0.270	0.018	-0.123
V2	0.414	0.041	0.287
V3	0.764	0.491	0.442
V4	-0.145	-0.237	0.123
V5	0.445	0.772	0.875
V6	0.227	0.398	0.357
V7	0.018	0.366	0.188
V8	-0.024	-0.168	-0.106
V9	0.042	0.527	-0.014
V10	0.107	-0.005	-0.160
V11	-0.899	-0.381	-0.251
V12	-0.995	-0.354	-0.194
V14	-0.450	-0.292	-0.133
V18	-0.345	0.882	-0.051
V20	-0.819	-0.032	-0.084
V23	0.027	0.041	0.087
V24	0.112	0.167	0.267
V25	0.376	0.261	0.169
Constante	0.369	2.985	1.758

IV.2 RÉSULTATS POUR LA RÉGION DE MURDOCHVILLE (suite)

Les lithologies dont le paramètre de régression est négatif implique une correction des valeurs brutes en raison d'un bruit de fond élevé dans la formation. Les formations suivantes sont enrichies en or par ordre décroissant: V12, V11, V20, V14, V18, V4, V8.

Les lithologies suivantes sont enrichies en Cu par ordre décroissant: V11, V12, V14, V4, V8, V20, V10.

Finalement les anomalies en Cu, Au et W sont déterminées par l'examen des histogrames des valeurs corrigées de Cu, Au et W ($Cu-\hat{Cu}$, $Au-\hat{Au}$, $W-\hat{W}$). Les figures 2 à 7 illustrent les histogrammes et courbes de fréquence cumulée.

MURDOCHVILLE
DISTRIBUTION STATISTIQUE DE L'OR

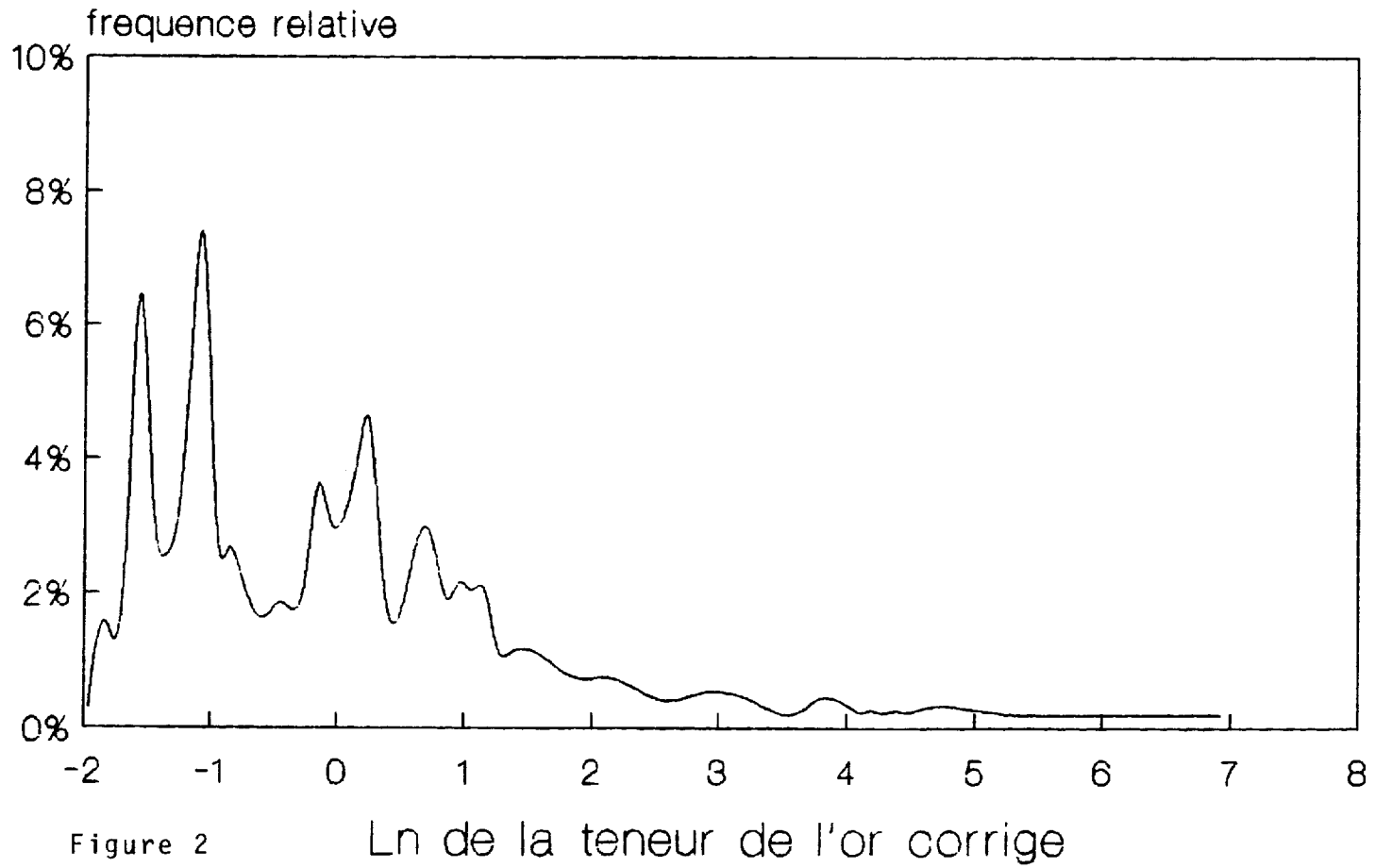

Figure 2

MURDOCHVILLE
DISTRIBUTION STATISTIQUE DE L'OR

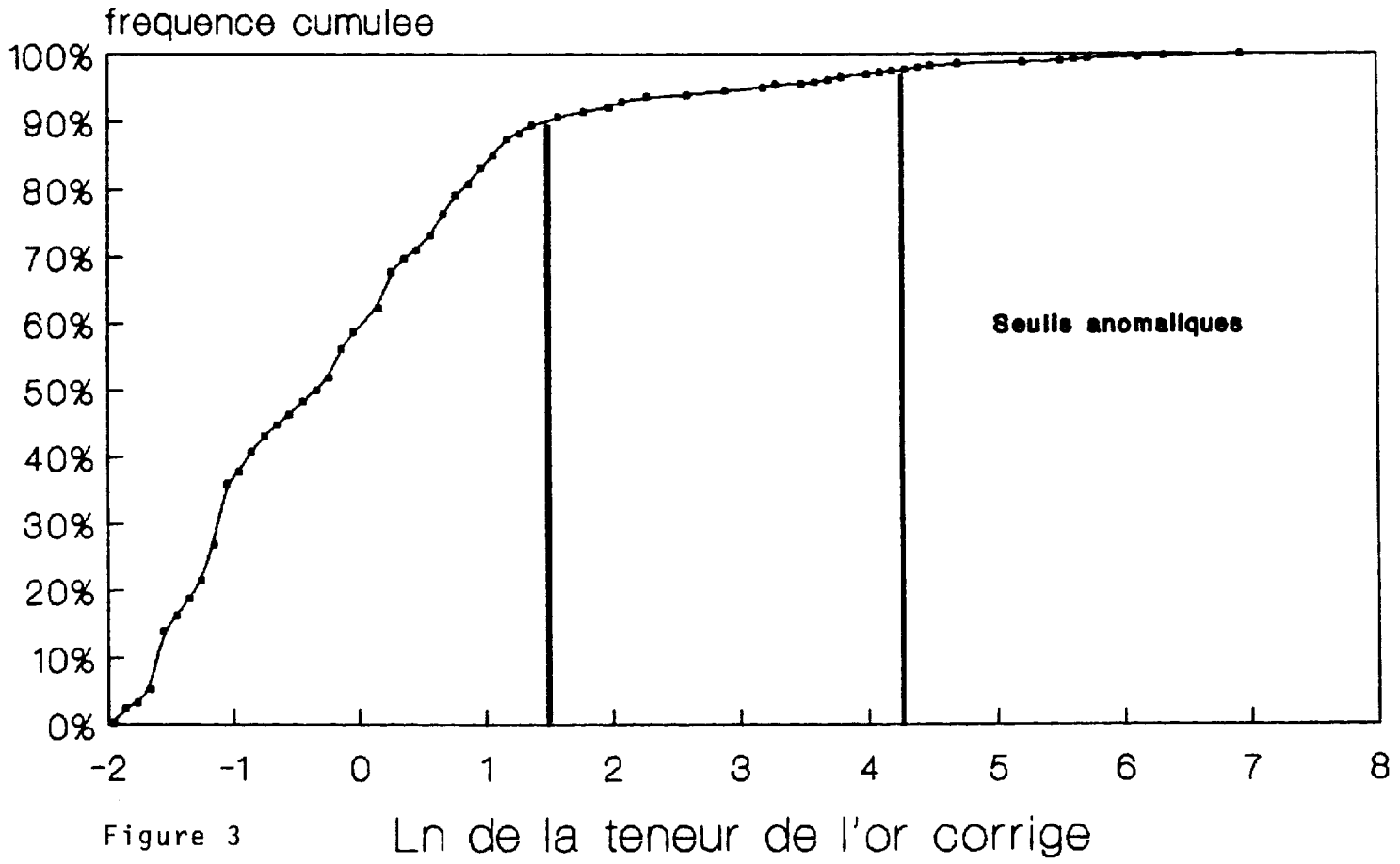

Figure 3

MURDOCHVILLE
DISTRIBUTION STATISTIQUE DU CUIVRE

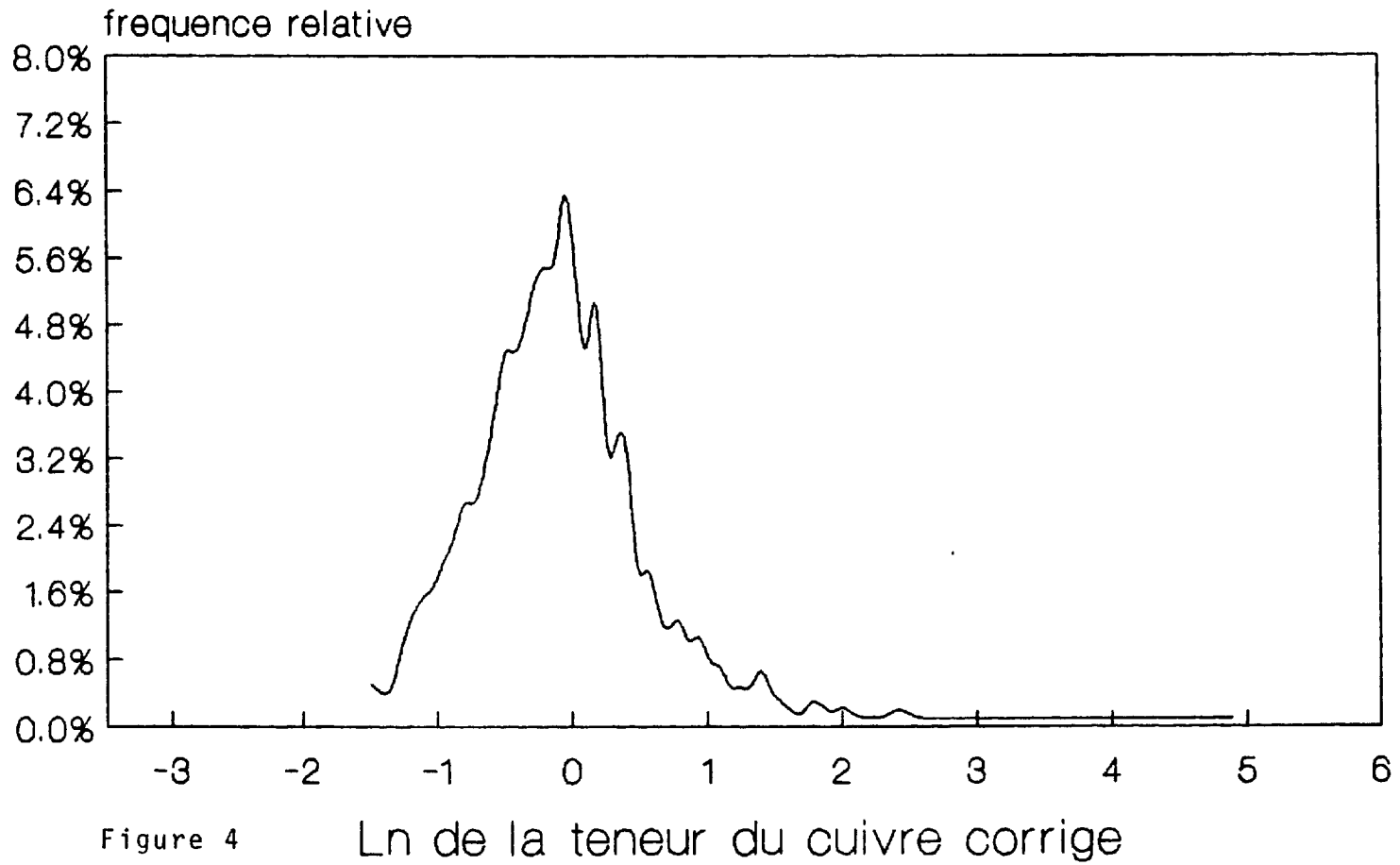

Figure 4

MURDOCHVILLE
DISTRIBUTION STATISTIQUE DU CUIVRE

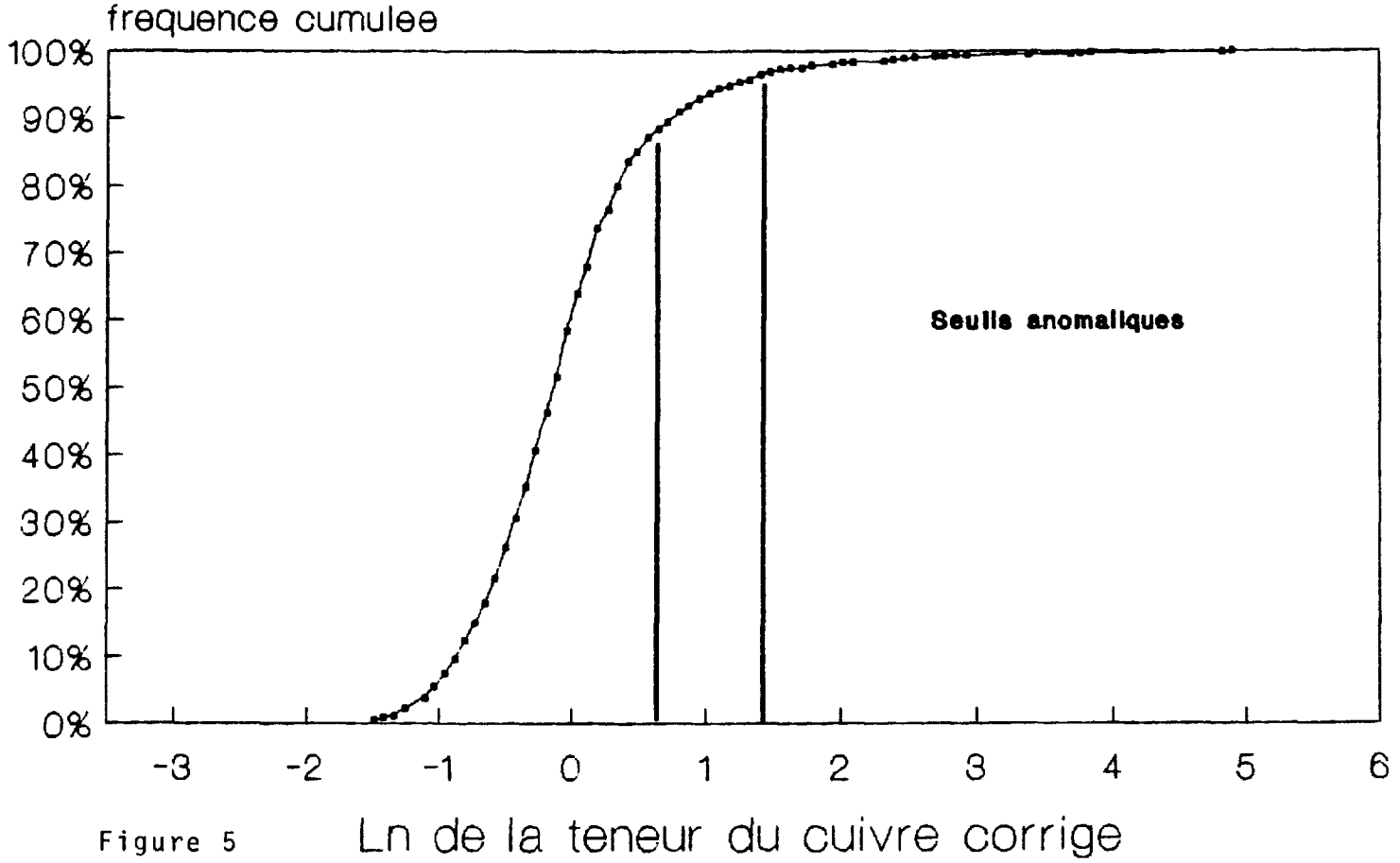

Figure 5

MURDOCHVILLE
DISTRIBUTION STATISTIQUE DU TUNGSTENE

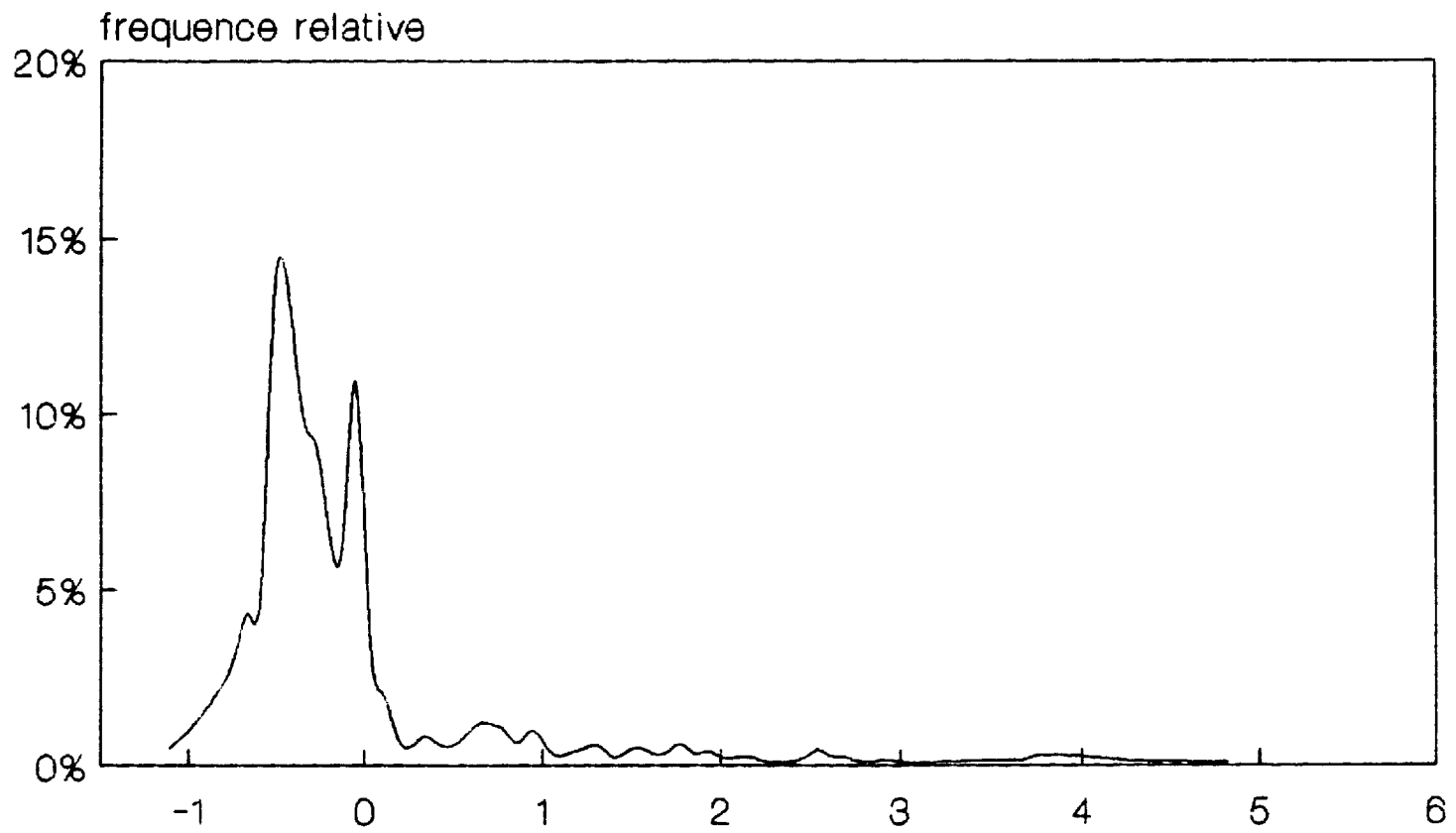

Figure 6

MURDOCHVILLE
DISTRIBUTION STATISTIQUE DU TUNGSTENE

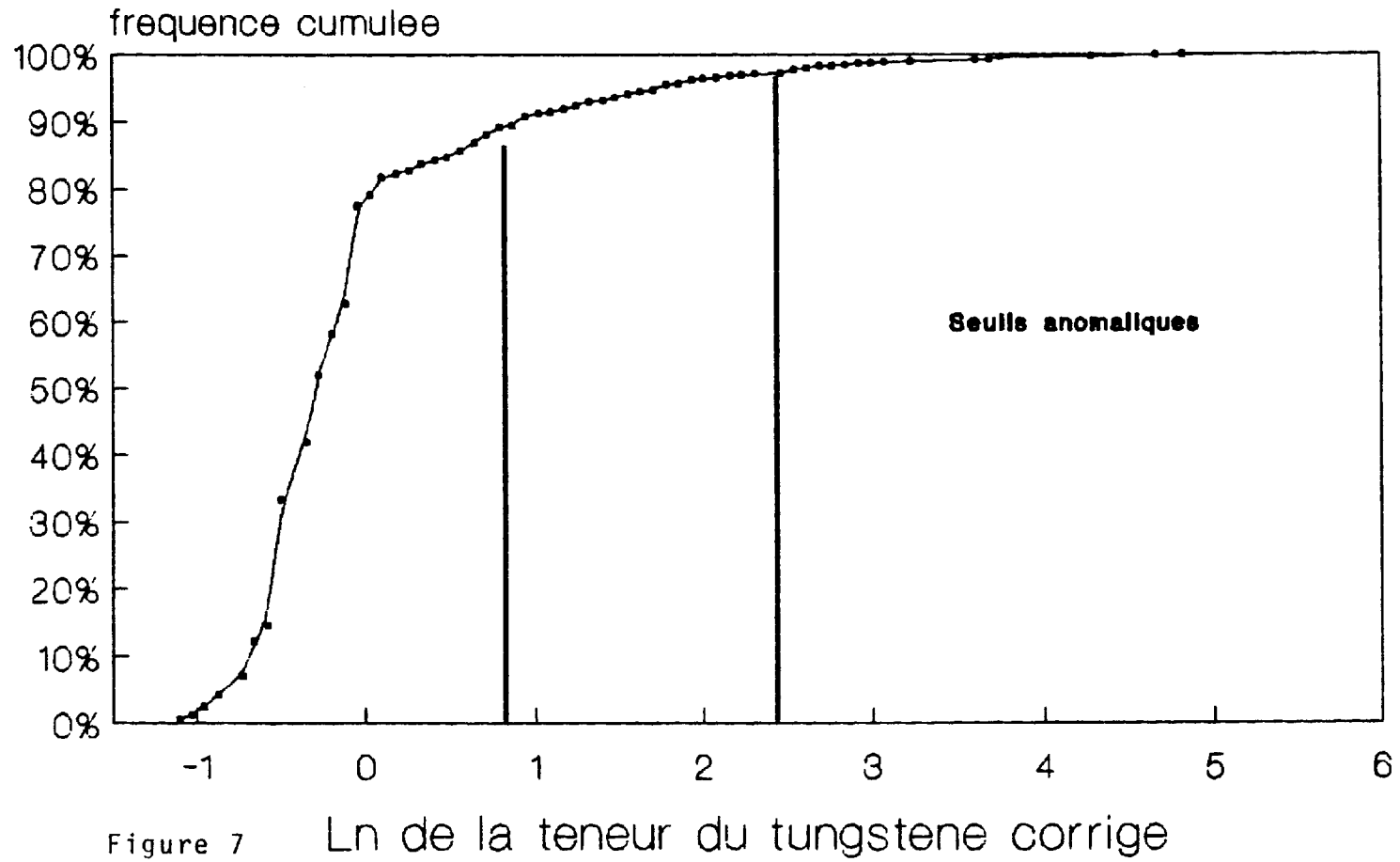

Figure 7

IV.2 RÉSULTATS POUR LA RÉGION DE MURDOCHVILLE (suite)

Pour le tungstène, l'on note un enrichissement dans plusieurs lithologies: V1, V8 à V20. L'explication de cet enrichissement ou appauvrissement est d'ordre lithologique. Les roches felsiques sont enrichies en W. Les anomalies en W sont indicatrices de lithologies felsiques dans le bassin.

Il est à noter que les variables structurales bien que pertinentes dans les équations de régression n'indiquent pas un enrichissement en Au, Cu ou W. Ainsi, les structures majeures ne semblent pas être le premier critère à considérer en ce qui a trait à l'exploration du Cu et Au.

Finalement, les lithologies enrichies en or et en cuivre sont les mêmes, ceci a une conséquence importante au niveau de l'exploration de ces substances: bien que les critères d'exploration du Cu et Au soient différents, les minéralisations aurifères et cuprifères sont intimement liés.

IV.3 RÉSULTATS POUR LA RÉGION DES CHICS-CHOCS

Pour la région des Chics-Chocs, les éléments suivants ont fait l'objet d'une analyse de régression: Au, Cu et Sb. Ces derniers éléments ont été régressés en fonction de 23 variables (19 lithologies et 3 variables de structures + 1 constante). Les paramètres de régression des éléments sont illustrés au tableau 2.

TABLEAU 2 PARAMETRES DE RÉGRESSION POUR LES ÉLÉMENTS AU, CU, SB POUR LA RÉGION DES CHICS-CHOCS

CODE	AU	CU	SB
V1	0.230	0.471	-0.008
V2	-0.079	-0.064	-0.167
V3	0.679	-0.134	-0.050
V4	-0.099	-0.197	0.110
V5	-0.259	-0.322	-0.187
V6	0.234	0.071	-0.104
V7	0.684	0.882	0.286
V8	-0.070	0.110	-0.083
V9	0.645	0.554	-0.126
V10	-0.064	-0.225	-0.102

TABLEAU 2 PARAMETRES DE RÉGRESSION POUR LES ÉLÉMENTS AU, CU, SB POUR LA RÉGION DES CHICS-CHOCS (suite)

CODE	AU	CU	SB
V11	-0.510	0.070	0.117
V12	-0.076	0.074	0.035
V13	0.194	-0.479	-0.279
V14	0.302	0.147	0.051
V15	-0.885	-0.452	-0.126
V16	-0.799	-0.755	0.240
V18	0.216	-0.083	-0.263
V19	-0.090	-0.289	-0.227
V20	-0.573	-0.274	0.088
V23	0.168	0.227	0.035
V24	-0.411	-0.312	-0.176
V25	0.166	-0.167	0.074
Constante	0.308	3.808	1.105

Les lithologies et variables structurales enrichies en or sont par ordre décroissant: V15, V16, V20, V11, V24, V5, V4, V19, V2, V12, V8, V10.

Pour le cuivre, les formations et variables structurales suivantes sont enrichies: V16, V13, V15, V5, V24, V19, V20, V10, V4, V25, V3, V18, V2.

En ce qui a trait à l'antimoine, la plupart des formations sont enrichies en antimoine; les enrichissements marqués sont illustrés par les variables et unités suivantes: V13, V18 V19, V24, V2.

De manière générale, les variables structurales sont associées à des enrichissements en or et cuivre; en particulier, la variable V24 (charnière de pli). La variable faille majeure, quant à elle, n'a pas d'effet positif sur la concentration en Au, Cu et Sb.

Finalement, les histogrammes et courbes de fréquence cumulée de Au, Cu et Sb ont été calculées et sont représentés par les figures 8 à 13. Les seuils anomaliques appliquées sur ces courbes déterminent les anomalies en Au, Cu et Sb.

IV.3 RÉSULTATS POUR LA RÉGION DES CHICS-CHOCS (suite)

Les unités V15, V16, V5 et V24 sont simultanément enrichies en Au et Cu, cela implique, comme pour la région de Murdochville, que des minéralisations Au - Cu sont intimement liés mais le contexte structural est plus important. Les lithologies V11 et V20 sont nettement enrichies en or en comparaison du cuivre. Tandis que V13, V19 sont plus enrichies en cuivre. Finalement, les lithologies enrichies en Au et Cu sont plus nombreuses, ceci implique que l'exploration doit être concentrée sur plus de formations donc possiblement plus de surface et les types de minéralisation vont être plus diversifiés.

Le comportement de l'antimoine est complexe: d'une part, il révèle un enrichissement dans certaines lithologies (V2, V13), d'autre part, il est enrichi dans les dykes mafiques et felsiques ainsi qu'à proximité des charnières de pli (V18, V19, V24). Ceci est particulièrement intéressant dans la mesure où les récentes découvertes aurifères à Terre-neuve sont associées à des dykes felsiques et/ou mafiques qui recoupent des contacts sédiments/roches volcaniques a proximité de structures majeures. Il va être important de vérifier cette possibilité pour la région des Chics-Chocs.

IV.4 COMPARAISON ENTRE LA RÉGION DE MURDOCHVILLE ET DES CHICS-CHOCS

Deux différences importantes existent entre ces 2 régions. La première différence consiste au fait que pour la région de Murdochville, les unités enrichies en or et en cuivre sont plus restreintes que la région des Chics-Chocs; ceci implique que certaines unités contiennent potentiellement des minéralisations en Cu et Au et les autres sont fort probablement stériles. Pour les Chics-Chocs, l'effet topographique est plus important et cause probablement la "diffusion lithologique constatée".

Deuxièmement, les résultats de l'analyse de régression indiquent une plus grande diversité dans les enrichissements en Cu et Au pour la région des Chics-Chocs comparée à celle de Murdochville. Ceci illustre le fait qu'il est fort probable de retrouver des minéralisations plus complexes, plus diversifiées sujet à plusieurs modèles d'exploration.

CHICS-CHOCS
DISTRIBUTION STATISTIQUE DE L'OR

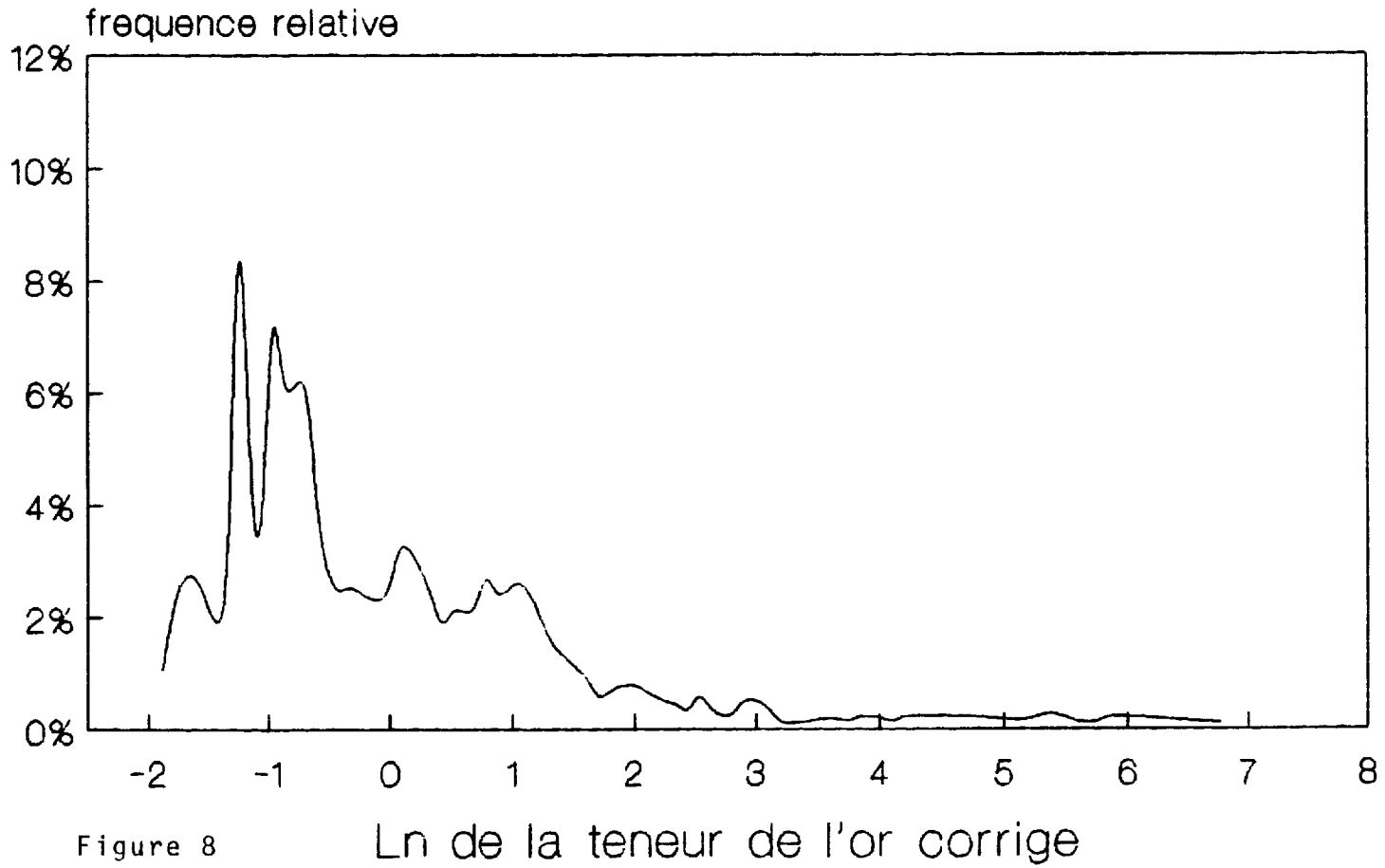

Figure 8

CHICS-CHOCS
DISTRIBUTION STATISTIQUE DE L'OR

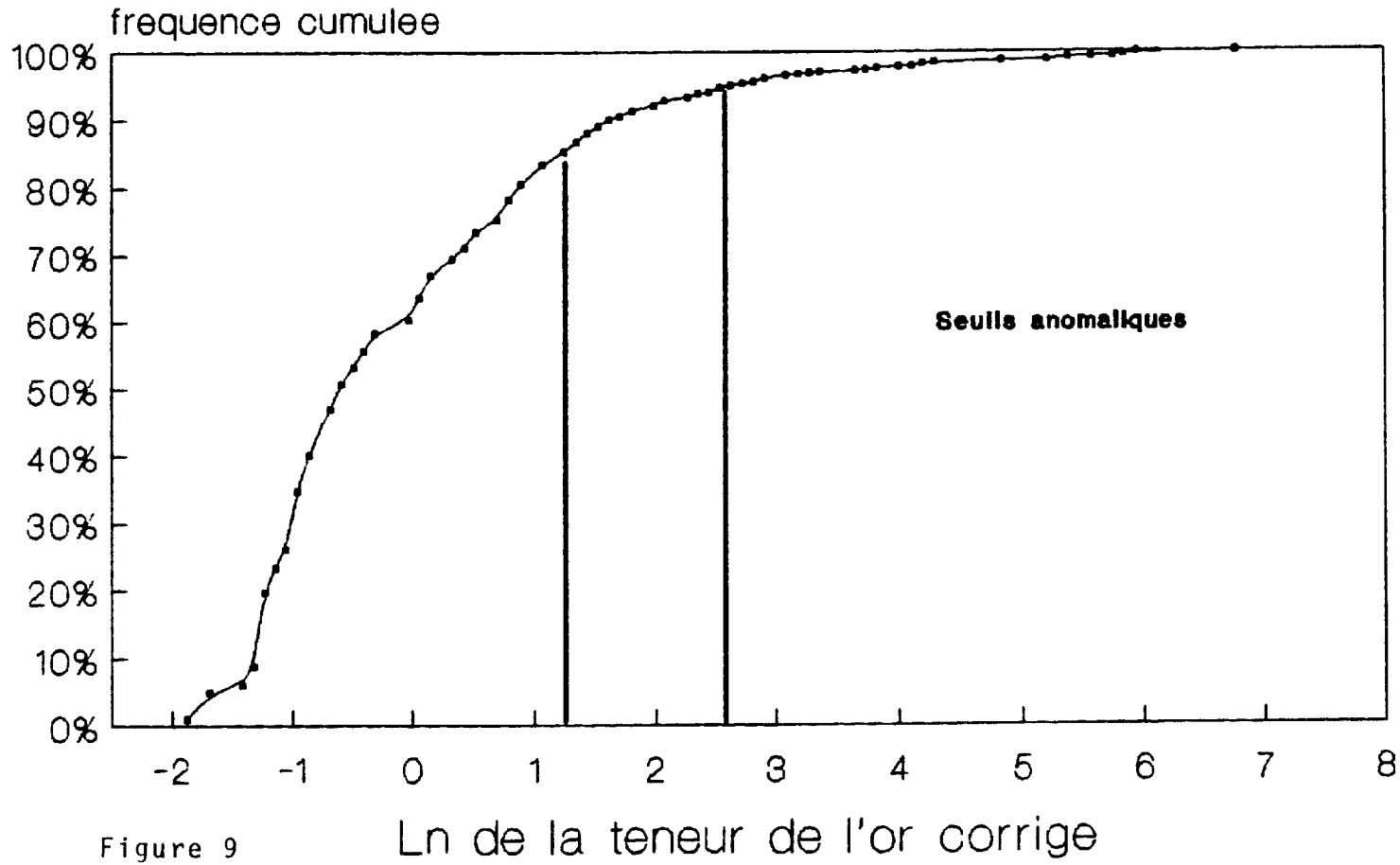

Figure 9

CHICS-CHOCS
DISTRIBUTION STATISTIQUE DU CUIVRE

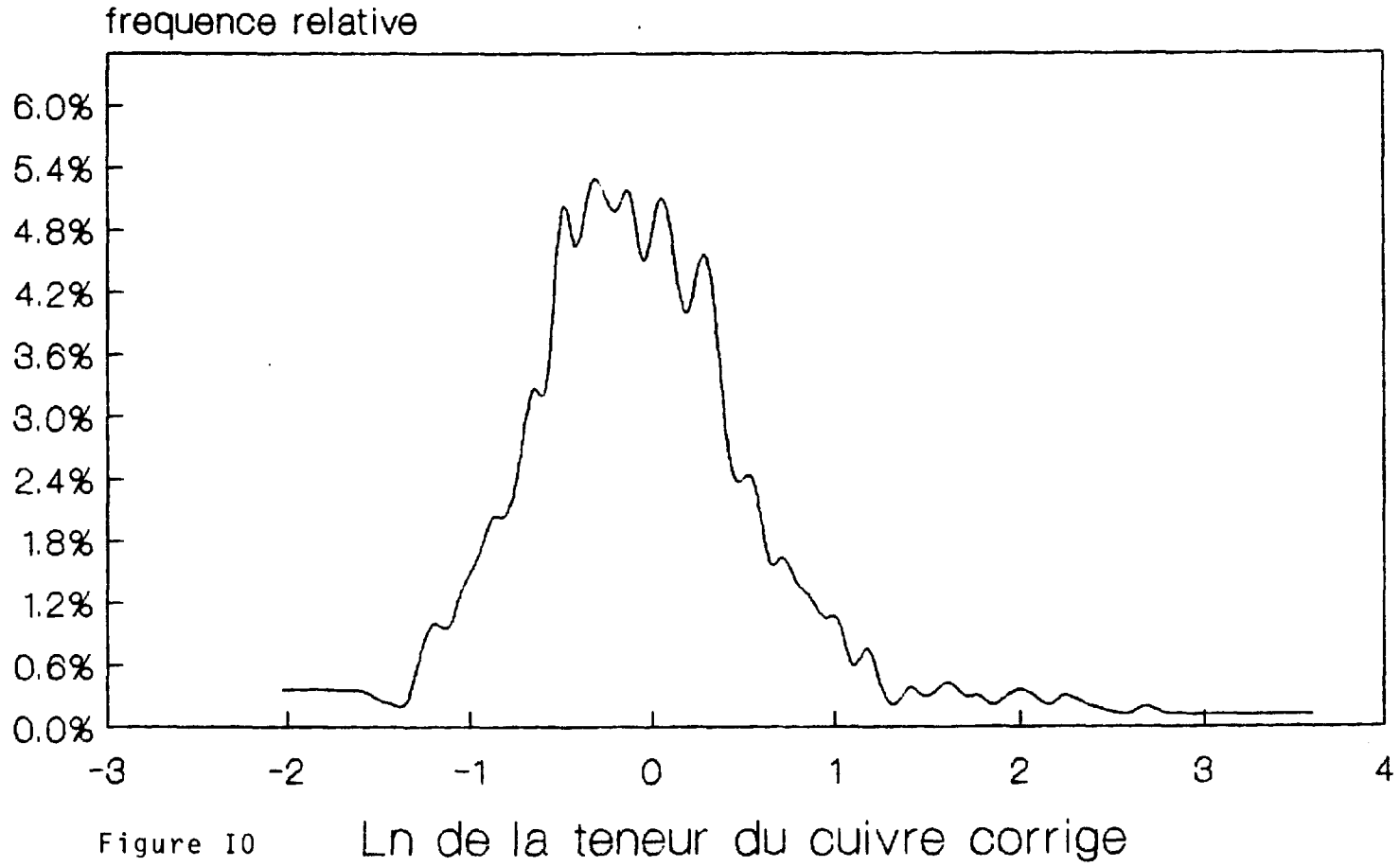

Figure IO

CHICS-CHOCS
DISTRIBUTION STATISTIQUE DU CUIVRE

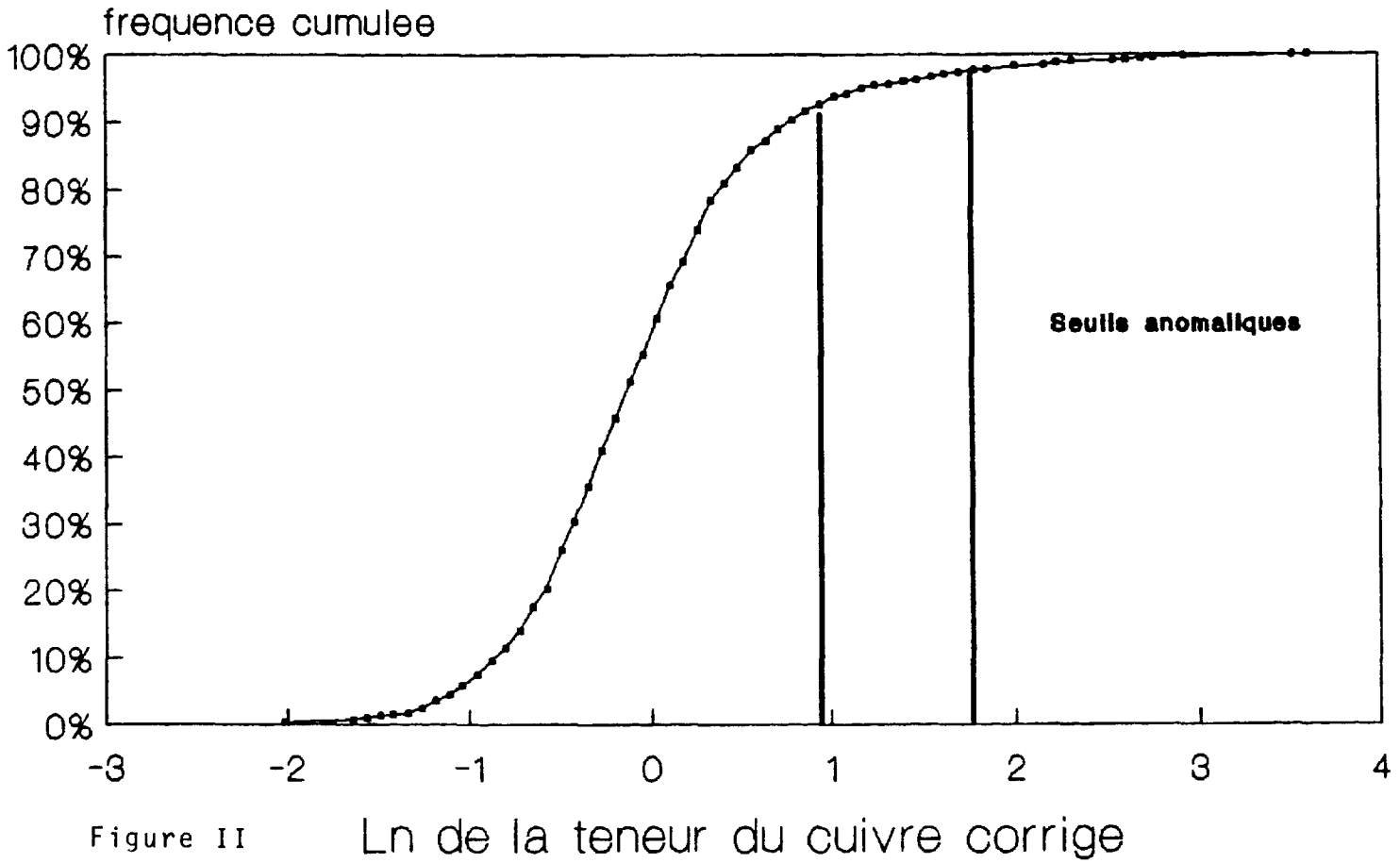

Figure II

CHICS-CHOCS
DISTRIBUTION STATISTIQUE DE L'ANTIMOINE

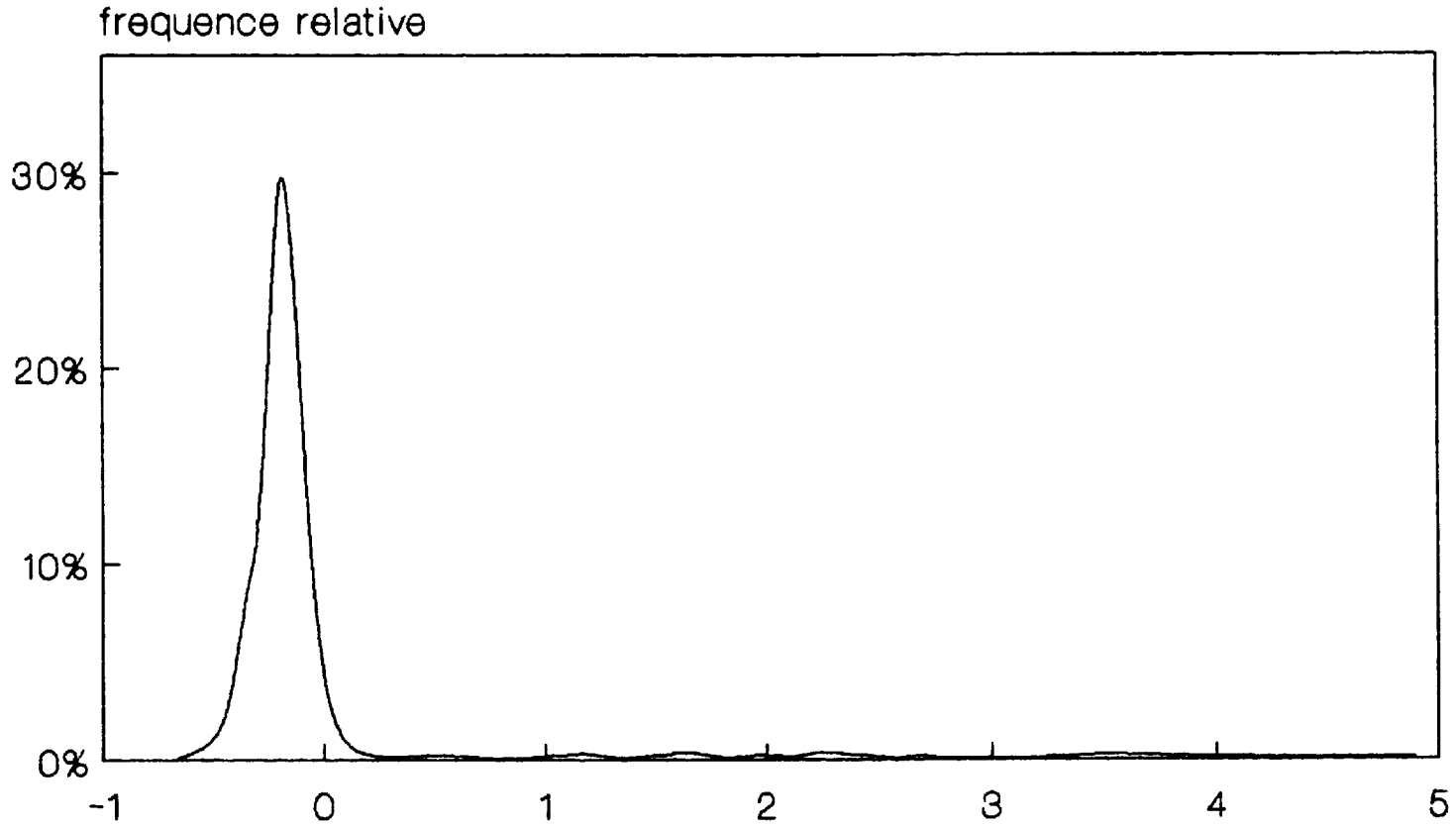

Figure I2

CHICS-CHOCS
DISTRIBUTION STATISTIQUE DE L'ANTIMOINE

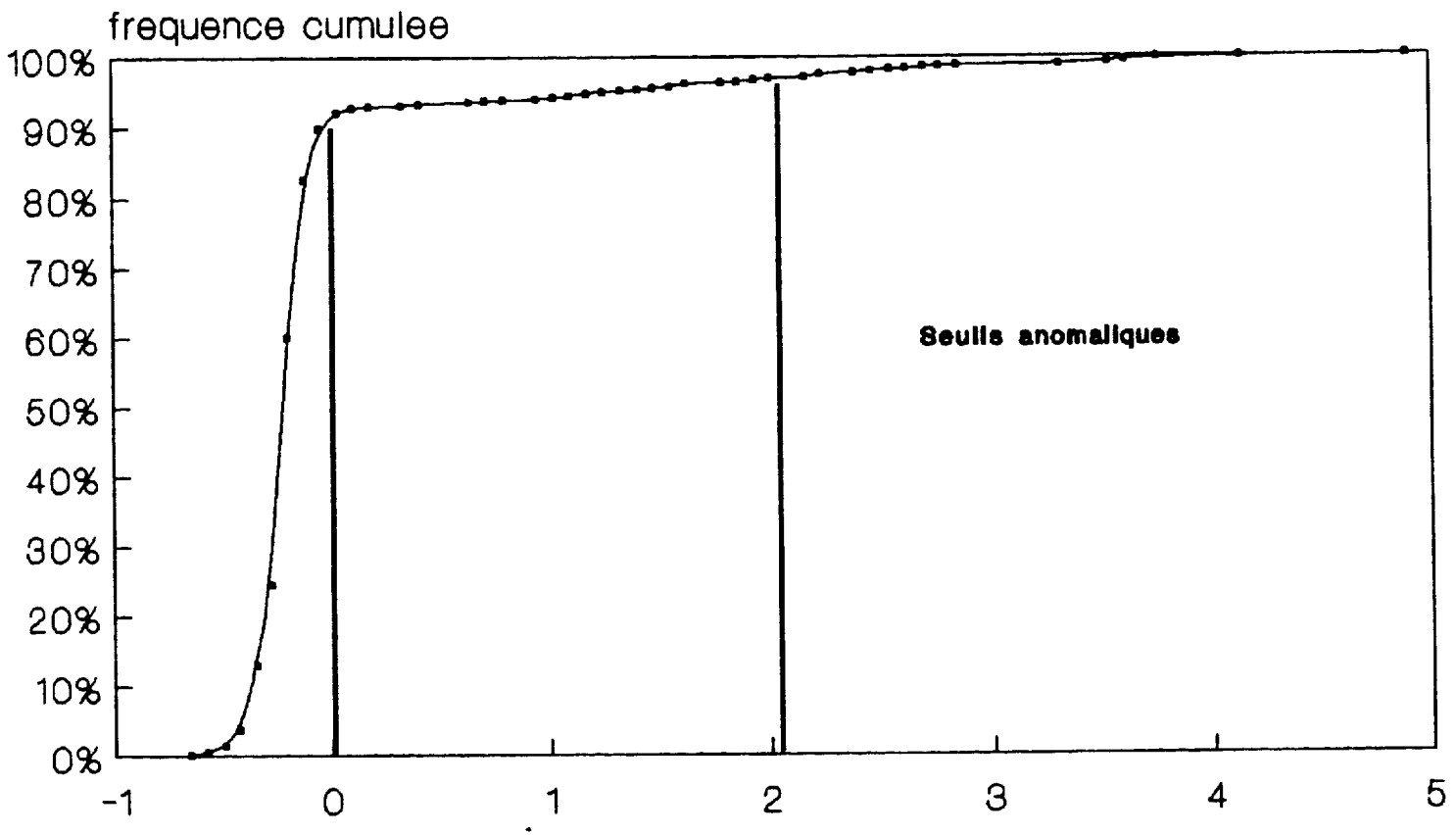

Figure I3

V TRAITEMENT DE PONDÉRATION

V.1 INTRODUCTION

Le traitement de pondération des données de sédiments de ruisseaux vise à donner une image régionale de la distribution spatiale de certains types de modèles de minéralisation. Ces types de modèles de minéralisation sont issus de l'examen de la matrice de corrélation simple des éléments.

L'interprétation des matrices de corrélation permet de dégager des modèles de minéralisation pour l'or et le cuivre. Les chiffres représentés dans la matrice de corrélation indiquent le degré d'association entre 2 éléments. Une valeur zéro ou près de zéro implique que les deux éléments ne sont pas associés directement. Une corrélation positive d'un élément implique l'accroissement de l'autre et vice-versa. Une corrélation négative signifie que les deux éléments varie en sens contraire: si l'un augmente, l'autre diminue et vice-versa.

Les coéfficients de corrélation positifs avec le cuivre ou l'or représentent les éléments retenus pour le calcul de pondération. Pour chaque élément retenu, le seuil anomalique est calculé à partir de la courbe de fréquence cumulée (calculée pour chaque élément retenu).

L'examen des matrices de corrélation permet de fixer les coefficients de l'équation de pondération; ces derniers sont a peu près proportionnel au degré d'association positif entre l'élément et l'or ou le cuivre. Deux nouvelles variables représentant la minéralisation en cuivre et en or sont alors calculées. Ces variables sont égales à la somme des coefficients de pondération (poids de l'élément dans la minéralisation donnée) lorsque l'élément, à un site échantillonnal donné, est anomalique, i.e sa valeur est supérieure au seuil anomalique. En résumé,

$$Pi = \begin{cases} \text{poids si élément } i > \text{seuil de l'élément } i \\ 0 \quad \text{autrement} \end{cases}$$

La valeur pondérée est égale à $\sum_{i=1}^{\text{nb d'éléments}} Pi$

V TRAITEMENT DE PONDÉRATION (suite)

V.1 INTRODUCTION (suite)

Cependant, le seuil anomalique de chaque élément retenu dans l'équation de pondération est fixé sans qu'aucune correction litholigique soit effectuée (voir section 4). Pour cette raison, les valeurs pondérées pour la minéralisation de cuivre et or représente une distribution globale et approximative de certains types de modèles de minéralisation. Il est donc nécessaire d'interprêter ces variables avec soin et correler les anomalies de ces variables avec les anomalies corrigées de cuivre et or ainsi qu'avec l'information structurale disponible.

V.2 TRAITEMENT DE PONDÉRATION POUR LA RÉGION DE MURDOCHVILLE

Les matrices de corrélation calculées pour la région de Murdochville sont illustrées par les figures (14 à 17). L'interprétation de ces matrices de corrélation a permis de dégager un modèle de minéralisation aurifère et cuprifère basé sur les associations suivantes:

Minéralisation en Au

Au, V, W, Ba, Nb, Sn, Sr, Ta, Y, Zr

Minéralisation en Cu

Cu, Pb, Zn, Mo, As, Bi, W

La minéralisation aurifère est surtout associée à des éléments qui se retrouvent dans les granites (Ba, Nb, Rb, Sn, Sr, Ta, Y et Zr). Les éléments W et V peuvent représenter le contexte structural et/ou des zones de contacts entre lithologies felsiques et mafiques. Les bordures de systèmes "porphyry copper" ainsi que les intrusifs le long de zones de failles peuvent représenter des contextes favorables à la minéralisation aurifère telle que révelée par l'équation de pondération. Le contexte structural est important dans la mise en place de la minéralisation aurifère mais il faut vérifier préférentiellement les structures secondaires en bordure de structures majeures.

Le cuivre est associé à des éléments typiques des minéralisations porphyriques avec une forte corrélation entre Cu et Mo. Des minéralisations autres que "porphyry copper" est aussi possible étant donné la présence de As et W.

TABLEAU 3. STATISTIQUES MURDOCHVILLE (ICP)

	MOYENNE	ECART-TYPE	92 PERCENTILE
AU	21.37	147.00	315.38
PO	22.60	12.08	46.77
CU	67.06	535.11	1137.28
PB	26.91	52.03	130.97
ZN	92.30	58.91	210.13
MO	8.06	59.12	126.30
CO	14.59	8.57	31.72
NI	39.97	24.40	88.77
AG	0.82	1.10	3.02
CD	0.72	0.58	1.89
CR	353.66	1148.27	2650.19
LI	36.45	17.53	71.50
V	87.11	64.76	216.62
AS	26.40	12.41	51.22
B	1.16	1.03	3.23
BE	3.45	3.39	10.23
BI	3.60	7.29	18.18
GA	14.26	9.28	32.82
TE	10.01	0.58	11.16
TI	10.00	0.00	10.00
W	19.63	86.99	193.61
BA	761.68	1147.86	3057.40
CE	57.95	120.62	299.19
LA	30.93	53.52	137.97
NB	24.53	51.74	128.01
RB	66.87	49.45	165.76
SB	3.25	4.00	11.25
SC	8.75	5.75	20.24
SN	16.59	8.46	33.52
SR	90.25	52.80	195.85
TA	6.42	6.17	18.77
Y	21.80	19.81	61.43
ZR	235.71	435.95	1107.61

	Au	Bo	Cu	Pb	Zn	Mo	Co	Ni	Ag	Cd	Cr	Li	V	As	S	Be	Bi	Ba	Te	Tl
Au	1.00	0.08	0.04	-0.01	0.06	0.02	0.00	-0.06	0.06	0.17	0.01	-0.07	0.20	0.05	-0.02	-0.03	0.03	0.04	-0.00	0.00
Bo	0.08	1.00	0.07	0.00	0.11	0.05	0.15	-0.01	0.07	0.10	-0.03	-0.04	0.31	0.00	-0.03	0.19	0.08	0.17	-0.01	0.00
Cu	0.04	0.07	1.00	0.57	0.46	0.73	0.26	0.02	0.19	0.17	-0.01	-0.13	-0.04	0.57	-0.01	0.21	0.45	0.30	-0.00	0.00
Pb	-0.01	0.00	0.57	1.00	0.57	0.51	0.41	0.22	0.31	0.32	-0.02	-0.10	-0.06	0.50	0.05	0.20	0.50	0.11	0.01	0.00
Zn	0.06	0.11	0.46	0.57	1.00	0.35	0.52	0.37	0.25	0.55	0.13	0.02	0.24	0.47	-0.04	0.30	0.27	0.26	0.01	0.00
Mo	0.02	0.05	0.73	0.51	0.35	1.00	0.39	0.03	0.32	0.16	-0.00	-0.15	-0.04	0.51	-0.01	0.08	0.62	0.20	0.00	0.00
Co	0.00	0.15	0.26	0.41	0.52	0.39	1.00	0.65	0.50	0.25	0.13	0.19	0.44	0.33	-0.11	0.35	0.38	0.26	-0.00	0.00
Ni	-0.06	-0.01	0.02	0.22	0.37	0.03	0.65	1.00	0.10	0.06	0.17	0.36	0.16	0.07	-0.06	0.23	0.07	0.11	-0.01	0.00
Ag	0.06	0.07	0.19	0.31	0.25	0.32	0.50	0.10	1.00	0.26	-0.02	-0.08	0.35	0.34	-0.03	0.07	0.45	0.16	-0.01	0.00
Cd	0.17	0.10	0.17	0.32	0.55	0.16	0.26	0.06	0.26	1.00	0.04	-0.24	0.30	0.26	-0.04	0.17	0.24	0.05	-0.00	0.00
Cr	0.01	-0.03	-0.01	-0.02	0.13	-0.00	0.13	0.17	-0.02	0.04	1.00	-0.14	0.04	0.02	-0.02	-0.03	0.20	0.01	-0.00	0.00
Li	-0.07	-0.04	-0.13	-0.10	0.02	-0.15	0.19	0.36	-0.08	-0.24	-0.14	1.00	-0.04	-0.09	-0.12	0.01	-0.16	0.19	0.01	0.00
V	0.20	0.31	-0.04	-0.06	0.24	-0.04	0.44	0.16	0.35	0.30	0.04	-0.04	1.00	-0.04	-0.11	0.43	0.10	0.23	-0.02	0.00
As	0.05	0.00	0.59	0.50	0.47	0.51	0.33	0.07	0.34	0.28	0.02	-0.09	-0.04	1.00	-0.02	0.18	0.56	0.12	0.22	0.00
S	-0.02	-0.03	-0.01	0.05	-0.04	-0.01	-0.11	-0.06	-0.03	-0.04	-0.02	-0.12	-0.11	-0.02	1.00	-0.04	-0.02	-0.09	-0.00	0.00
Be	-0.03	0.19	0.21	0.20	0.30	0.08	0.35	0.23	0.07	0.17	-0.03	0.01	0.43	0.18	-0.04	1.00	0.06	0.14	0.03	0.00
Bi	0.03	0.08	0.45	0.50	0.27	0.62	0.38	0.07	0.45	0.24	0.20	-0.16	0.10	0.56	-0.02	0.06	1.00	0.02	-0.00	0.00
Ba	0.04	0.17	0.30	0.11	0.26	0.20	0.26	0.11	0.18	0.05	0.01	0.19	0.23	0.12	-0.09	0.14	0.02	1.00	-0.01	0.00
Te	-0.00	-0.01	-0.00	0.01	0.01	0.00	-0.00	-0.01	-0.01	-0.00	-0.00	0.01	-0.02	0.22	-0.00	0.03	-0.00	-0.01	1.00	0.00
Tl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00
W	0.23	0.15	0.70	0.42	0.37	0.74	0.29	0.01	0.28	0.23	-0.01	-0.17	0.08	0.45	-0.03	0.09	0.46	0.23	0.00	0.00
Ba	-0.00	0.02	-0.02	-0.01	0.12	-0.04	0.17	0.15	0.02	0.02	-0.02	0.19	0.06	-0.02	-0.00	0.04	-0.02	0.12	-0.00	0.00
Ce	0.05	0.07	0.04	0.02	0.10	0.02	0.11	0.11	0.23	0.03	0.01	0.05	0.29	0.01	-0.04	0.18	0.01	0.22	-0.00	0.00
La	0.09	0.09	-0.00	-0.02	0.10	-0.01	0.09	0.06	0.27	0.10	0.02	-0.00	0.27	0.30	-0.05	0.15	0.03	0.19	-0.00	0.00
Nd	0.25	0.22	-0.04	-0.10	0.08	-0.02	0.05	-0.22	0.48	0.36	0.01	-0.25	0.51	-0.01	-0.06	0.02	0.06	0.15	-0.00	0.00
Sb	0.02	0.27	-0.01	0.01	0.12	-0.01	0.19	0.16	-0.02	-0.01	-0.09	0.31	0.15	0.03	-0.08	0.10	-0.04	0.26	0.00	0.00
Sc	-0.00	0.04	0.03	0.09	0.13	0.02	0.12	0.02	0.20	0.05	-0.00	0.07	0.06	0.37	-0.02	0.00	0.00	0.05	0.29	0.00
Sc	0.01	0.21	-0.01	-0.01	0.23	-0.02	0.45	0.31	0.16	0.12	0.04	0.10	0.73	-0.01	-0.11	0.36	0.15	0.17	-0.02	0.00
Sm	0.22	0.21	0.01	-0.01	0.15	0.02	0.25	-0.07	0.54	0.35	-0.00	-0.17	0.55	0.03	-0.03	0.07	0.00	0.12	0.05	0.00
Sr	0.02	0.23	-0.10	-0.10	0.04	-0.12	0.20	0.07	-0.02	-0.01	-0.10	0.10	0.35	-0.05	-0.04	0.14	0.02	0.09	-0.00	0.00
Ta	0.22	0.20	-0.02	-0.08	0.09	0.00	0.04	-0.21	0.46	0.41	0.00	-0.27	0.46	0.00	-0.04	-0.00	0.07	0.05	-0.00	0.00
Y	0.22	0.19	-0.00	-0.06	0.12	0.01	-0.01	-0.22	0.22	0.42	0.12	-0.32	0.47	0.03	-0.08	0.01	0.16	0.10	-0.00	0.00
Zr	0.25	0.18	-0.03	-0.12	0.08	-0.01	-0.02	-0.26	0.37	0.42	0.06	-0.32	0.46	0.03	-0.06	-0.05	0.11	0.03	-0.00	0.00

Figure I4

MATRICE DE CORRELATION - MURDOCHVILLE - (ICP)

	W	Ba	Ce	La	Nb	Rb	Sb	Sc	Sn	Sr	Ta	Y	Zr
Au	0.23	-0.00	0.05	0.09	0.25	0.02	-0.00	0.01	0.22	0.02	0.22	0.22	0.25
Ba	0.15	0.02	0.07	0.09	0.22	0.27	0.04	0.21	0.21	0.23	0.20	0.19	0.18
Cu	0.70	-0.02	0.04	-0.00	-0.04	-0.01	0.03	-0.01	0.01	-0.10	-0.02	-0.00	-0.03
Pb	0.42	-0.01	0.02	-0.02	-0.10	0.01	0.09	-0.01	-0.01	-0.10	-0.06	-0.06	-0.12
Zn	0.37	0.12	0.10	0.10	0.06	0.12	0.13	0.23	0.16	0.04	0.09	0.12	0.08
Mo	0.74	-0.04	0.02	-0.01	-0.02	-0.01	0.02	-0.02	0.02	-0.12	0.00	0.01	-0.01
Co	0.29	0.17	0.11	0.09	0.05	0.19	0.12	0.45	0.25	0.20	0.04	-0.01	-0.02
Ni	0.01	0.13	0.11	0.06	-0.22	0.18	0.02	0.31	-0.07	0.07	-0.21	-0.22	-0.26
Ag	0.26	0.02	0.23	0.27	0.46	-0.02	0.20	0.18	0.54	-0.02	0.46	0.22	0.37
Cd	0.23	0.02	0.03	0.10	0.36	-0.01	0.05	0.12	0.35	-0.01	0.41	0.42	0.42
Cr	-0.01	-0.02	0.01	0.02	0.01	-0.09	-0.00	0.04	-0.00	-0.16	0.00	0.12	0.06
Li	-0.17	0.19	0.05	-0.00	-0.25	0.31	0.07	0.10	-0.17	0.10	-0.27	-0.32	-0.32
V	0.06	0.06	0.20	0.27	0.51	0.15	0.06	0.73	0.55	0.35	0.46	0.47	0.46
As	0.45	-0.02	0.01	0.00	-0.01	0.03	0.37	-0.01	0.03	-0.06	0.00	0.05	0.03
B	-0.03	-0.00	-0.04	-0.05	-0.06	-0.06	-0.02	-0.11	-0.03	-0.04	-0.04	-0.06	-0.06
Be	0.09	0.04	0.18	0.15	0.02	0.10	0.00	0.36	0.07	0.14	-0.00	0.01	-0.05
Bi	0.46	-0.02	0.01	0.03	0.06	-0.04	0.00	0.15	0.00	0.02	0.07	0.16	0.11
Ga	0.23	0.12	0.22	0.19	0.15	0.26	0.05	0.17	0.12	0.09	0.05	0.10	0.05
Te	0.00	-0.00	-0.00	-0.00	-0.00	0.00	0.29	-0.02	0.05	-0.00	-0.00	-0.00	-0.00
Tl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
W	1.00	0.04	0.05	0.04	0.15	-0.01	0.07	0.00	0.13	0.02	0.16	0.11	0.14
Ba	0.04	1.00	0.04	0.02	-0.03	0.15	-0.01	0.06	-0.05	0.27	-0.07	-0.06	-0.06
Ce	0.05	0.04	1.00	0.98	0.21	0.03	0.00	0.10	0.05	0.02	0.12	0.16	0.11
La	0.04	0.02	0.98	1.00	0.35	0.04	0.03	0.13	0.14	0.04	0.27	0.33	0.28
Nb	0.15	-0.03	0.21	0.35	1.00	0.05	0.16	0.07	0.74	-0.00	0.91	0.74	0.85
Rb	-0.01	0.15	0.03	0.04	0.05	1.00	0.15	0.15	0.03	0.12	0.03	-0.00	0.02
Sb	0.07	-0.01	0.00	0.03	0.16	0.15	1.00	0.02	0.31	-0.03	0.16	0.02	0.10
Sc	0.00	0.06	0.10	0.13	0.07	0.15	0.02	1.00	0.18	0.54	0.07	0.23	0.11
Sn	0.13	-0.05	0.05	0.14	0.74	0.03	0.31	0.18	1.00	-0.03	0.72	0.44	0.60
Sr	0.02	0.27	0.02	0.04	-0.00	0.12	-0.03	0.54	-0.03	1.00	-0.06	0.09	0.01
Ta	0.16	-0.07	0.12	0.27	0.91	0.03	0.16	0.07	0.72	-0.06	1.00	0.72	0.86
Y	0.11	-0.06	0.16	0.33	0.74	-0.00	0.02	0.23	0.44	0.09	0.72	1.00	0.89
Zr	0.14	-0.06	0.11	0.28	0.85	0.02	0.10	0.11	0.60	0.01	0.86	0.89	1.00

Figure I5

TABLEAU 4. STATISTIQUES MURDOCHVILLE (ICP) (AU>5.0 PPB)

	MOYENNE	ECART-TYPE	92 PERCENTILE
AU	99.73	314.62	728.97
PO	22.46	14.72	51.91
CU	180.14	1086.35	2352.83
PB	38.08	70.74	179.55
ZN	122.18	102.48	327.13
MO	13.90	63.75	141.41
CO	16.24	10.10	36.44
NI	44.97	32.50	109.97
AG	1.02	1.48	3.97
CD	0.98	0.88	2.74
CR	404.53	1479.49	3363.51
LI	34.32	19.50	73.32
V	105.44	75.32	256.08
AS	27.54	18.22	63.98
B	1.13	0.81	2.74
BE	3.41	4.64	12.70
BI	4.22	5.32	14.86
GA	15.45	8.84	33.12
TE	10.00	0.00	10.00
TI	10.00	0.00	10.00
W	47.83	156.85	361.53
BA	837.09	1150.98	3139.04
CE	91.19	248.71	588.61
LA	48.07	108.42	264.91
NB	45.41	88.80	223.01
RB	68.92	47.12	163.17
SB	3.41	4.21	11.83
SC	9.01	4.11	17.22
SN	19.35	15.25	49.84
SR	92.06	60.24	212.55
TA	8.57	10.32	29.20
Y	29.36	26.74	82.84
ZR	397.86	635.81	1669.48

	Au	pb	Cu	Fe	Zn	Mo	Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga	Te	Ti
Au	1.00	0.15	0.01	-0.06	-0.01	0.01	-0.05	-0.15	0.06	0.17	0.01	-0.15	0.32	0.06	-0.04	-0.04	0.07	0.05	0.00	0.00
pb	0.15	1.00	0.11	0.01	0.07	0.12	0.06	-0.16	0.14	0.18	-0.12	-0.24	0.44	-0.00	-0.01	0.21	0.14	0.20	0.00	0.00
Cu	0.01	0.11	1.00	0.65	0.51	0.95	0.17	-0.03	-0.04	0.14	-0.02	-0.20	-0.08	0.64	-0.02	0.38	0.41	0.70	0.00	0.00
Fe	-0.06	0.01	0.65	1.00	0.66	0.62	0.40	0.26	0.02	0.45	-0.04	-0.16	-0.15	0.75	0.14	0.47	0.25	0.42	0.00	0.00
Zn	-0.01	0.07	0.51	0.66	1.00	0.55	0.47	0.30	0.11	0.65	0.11	-0.19	0.04	0.71	0.02	0.41	0.38	0.38	0.00	0.00
Mo	0.01	0.12	0.95	0.62	0.55	1.00	0.17	-0.04	-0.05	0.20	-0.01	-0.24	-0.06	0.57	-0.03	0.33	0.46	0.63	0.00	0.00
Co	-0.05	0.06	0.17	0.40	0.47	0.17	1.00	0.66	0.40	0.24	0.15	0.10	0.28	0.28	-0.12	0.30	0.08	0.35	0.00	0.00
Ni	-0.15	-0.16	-0.03	0.26	0.30	-0.04	0.66	1.00	0.05	-0.05	0.16	0.35	-0.01	0.06	-0.09	0.15	-0.03	0.11	0.00	0.00
Ag	0.06	0.14	-0.04	0.02	0.11	-0.05	0.40	0.05	1.00	0.19	-0.03	-0.10	0.42	0.03	-0.03	0.07	-0.12	0.25	0.00	0.00
Cd	0.17	0.18	0.14	0.45	0.65	0.20	0.24	-0.05	0.19	1.00	0.00	-0.36	0.37	0.45	-0.02	0.27	0.34	0.11	0.00	0.00
Cr	0.01	-0.12	-0.02	-0.04	0.11	-0.01	0.15	0.16	-0.03	0.00	1.00	-0.11	0.09	-0.01	-0.02	-0.02	0.32	0.06	0.00	0.00
Li	-0.15	-0.24	-0.20	-0.16	-0.19	-0.24	0.10	0.35	-0.10	-0.36	-0.11	1.00	-0.16	-0.16	-0.10	-0.13	-0.33	0.10	0.00	0.00
V	0.32	0.44	-0.08	-0.15	0.04	-0.08	0.28	-0.01	0.42	0.37	0.09	-0.18	1.00	-0.06	-0.13	0.23	0.15	0.32	0.00	0.00
As	0.06	-0.00	0.64	0.75	0.71	0.57	0.28	0.06	0.03	0.45	-0.01	-0.16	-0.06	1.00	-0.02	0.46	0.31	0.45	0.00	0.00
B	-0.04	-0.01	-0.02	0.14	0.02	-0.03	-0.12	-0.09	-0.03	-0.02	-0.02	-0.10	-0.13	-0.02	1.00	-0.03	-0.05	-0.12	0.00	0.00
Be	-0.04	0.21	0.38	0.47	0.41	0.33	0.30	0.15	0.07	0.27	-0.02	-0.13	0.23	0.46	-0.03	1.00	0.22	0.40	0.00	0.00
Bi	0.07	0.14	0.41	0.25	0.38	0.46	0.08	-0.03	-0.12	0.34	0.52	-0.33	0.15	0.31	-0.05	0.22	1.00	0.29	0.00	0.00
Ga	0.05	0.20	0.70	0.42	0.38	0.63	0.35	0.11	0.25	0.11	0.06	0.10	0.32	0.45	-0.12	0.40	0.29	1.00	0.00	0.00
Te	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
Ti	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00
W	0.24	0.29	0.67	0.41	0.37	0.68	0.15	-0.05	0.07	0.21	-0.02	-0.22	0.11	0.45	-0.04	0.20	0.49	0.48	0.00	0.00
Ba	-0.03	-0.01	-0.07	-0.04	-0.02	-0.08	0.17	0.21	-0.04	-0.02	-0.04	0.30	0.02	-0.04	-0.04	-0.01	-0.04	0.08	0.00	0.00
Ce	0.02	0.12	0.02	0.01	0.05	0.01	0.14	0.11	0.29	-0.02	0.02	0.04	0.32	0.00	-0.04	0.34	0.03	0.35	0.00	0.00
La	0.05	0.16	-0.02	-0.04	0.03	-0.04	0.13	0.06	0.36	0.03	0.03	-0.01	0.40	-0.03	-0.05	0.32	0.03	0.31	0.00	0.00
Nd	0.27	0.37	-0.07	-0.17	-0.02	-0.05	0.14	-0.29	0.67	0.36	-0.00	-0.32	0.75	-0.06	-0.07	0.10	0.08	0.21	0.00	0.00
Rb	0.03	0.10	-0.01	0.04	0.06	-0.03	0.21	0.17	0.00	0.04	-0.09	0.32	0.12	0.07	-0.10	0.05	-0.13	0.21	0.00	0.00
Sb	-0.02	0.04	0.07	0.18	0.23	0.08	0.27	-0.03	0.56	0.17	0.03	-0.07	0.10	0.20	-0.03	0.03	0.03	0.09	0.00	0.00
Sc	0.03	0.13	-0.04	-0.07	0.06	-0.06	0.35	0.41	0.16	0.06	0.12	0.11	0.46	-0.06	-0.16	0.08	0.09	0.20	0.00	0.00
Sm	0.22	0.34	-0.01	-0.04	0.06	0.02	0.27	-0.20	0.69	0.39	-0.03	-0.27	0.66	-0.02	-0.04	-0.02	-0.03	0.22	0.00	0.00
Sr	0.03	0.17	-0.16	-0.23	-0.16	-0.18	-0.01	-0.01	-0.15	-0.07	-0.10	0.04	0.08	-0.12	-0.02	-0.06	0.03	-0.15	0.00	0.00
Ta	0.24	0.32	-0.05	-0.14	0.01	-0.03	0.06	-0.29	0.63	0.40	0.02	-0.34	0.67	-0.05	-0.05	0.05	0.10	0.15	0.00	0.00
Th	0.29	0.32	-0.04	-0.16	-0.01	-0.02	-0.08	-0.36	0.24	0.45	0.09	-0.45	0.65	-0.04	-0.11	0.07	0.25	0.13	0.00	0.00
Zr	0.31	0.33	-0.07	-0.20	-0.03	-0.05	-0.03	-0.38	0.49	0.46	0.03	-0.42	0.68	-0.06	-0.03	-0.02	0.18	0.09	0.00	0.00

Figure I6

MATRICE DE CORRELATION - MURDOCHVILLE - (ICP) (Au > 5.0 PPB)

	W	Ba	Ce	La	Nd	Rb	Sb	Sc	Sn	Sr	Ta	Y	Zr
Au	0.24	-0.03	0.02	0.05	0.27	0.03	-0.02	0.03	0.22	0.03	0.24	0.29	0.31
Pb	0.29	-0.01	0.12	0.16	0.37	0.10	0.04	0.13	0.34	0.17	0.32	0.32	0.33
Cu	0.07	-0.07	0.02	-0.02	-0.07	-0.01	0.07	-0.04	-0.01	-0.16	-0.05	-0.04	-0.07
Pb	0.41	-0.04	0.01	-0.04	-0.17	0.04	0.18	-0.07	-0.04	-0.23	-0.14	-0.18	-0.20
Zn	0.37	-0.02	0.05	0.03	-0.02	0.06	0.23	0.06	0.06	-0.15	0.01	-0.01	-0.03
Mo	0.66	-0.08	0.01	-0.04	-0.05	-0.03	0.05	-0.06	0.02	-0.13	-0.03	-0.02	-0.05
Co	0.15	0.17	0.14	0.13	0.14	0.21	0.27	0.35	0.27	-0.01	0.06	-0.06	-0.03
Ni	-0.05	0.21	0.11	0.06	-0.29	0.17	-0.03	0.41	-0.20	-0.01	-0.29	-0.36	-0.36
Ag	0.07	-0.04	0.29	0.36	0.69	0.00	0.56	0.16	0.69	-0.15	0.63	0.24	0.47
Cd	0.21	-0.02	-0.02	0.03	0.36	0.04	0.17	0.05	0.37	-0.07	0.40	0.45	0.46
Cr	-0.02	-0.04	0.02	0.03	-0.00	-0.09	0.03	0.12	-0.03	-0.10	0.02	0.09	0.03
Li	-0.22	0.30	0.04	-0.01	-0.32	0.32	-0.07	0.11	-0.27	0.04	-0.34	-0.45	-0.42
V	0.11	0.03	0.32	0.40	0.75	0.12	0.10	0.46	0.66	0.06	0.67	0.63	0.66
As	0.45	-0.04	0.00	-0.03	-0.06	0.07	0.20	-0.06	-0.02	-0.12	-0.05	-0.04	-0.06
B	-0.04	-0.04	-0.04	-0.05	-0.07	-0.10	-0.03	-0.16	-0.04	-0.02	-0.05	-0.11	-0.08
Be	0.20	-0.01	0.34	0.32	0.10	0.05	0.03	0.08	-0.02	-0.08	0.05	0.07	-0.02
Bi	0.49	-0.04	0.03	0.03	0.06	-0.13	0.03	0.09	-0.03	0.03	0.10	0.25	0.18
Ga	0.48	0.08	0.35	0.31	0.21	0.21	0.09	0.20	0.22	-0.15	0.15	0.13	0.09
Te	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
W	1.00	0.06	0.01	0.00	0.12	-0.03	0.13	0.01	0.11	0.16	0.13	0.07	0.11
Ba	0.06	1.00	0.04	0.02	-0.09	0.26	-0.01	0.09	-0.10	0.29	-0.12	-0.13	-0.13
Ce	0.01	0.04	1.00	0.99	0.20	-0.02	-0.01	0.24	0.02	0.01	0.10	0.17	0.08
La	0.00	0.02	0.99	1.00	0.31	-0.01	0.03	0.26	0.10	0.03	0.21	0.27	0.20
Nd	0.12	-0.09	0.20	0.31	1.00	0.05	0.36	0.11	0.84	-0.06	0.93	0.89	0.85
Rb	-0.03	0.26	-0.02	-0.01	0.05	1.00	0.09	0.11	0.03	0.08	0.04	-0.02	0.03
Sb	0.13	-0.01	-0.01	0.03	0.36	0.09	1.00	-0.04	0.41	-0.16	0.33	0.02	0.20
Sc	0.01	0.09	0.24	0.26	0.11	0.11	-0.04	1.00	0.08	0.32	0.10	0.25	0.16
Sn	0.11	-0.10	0.02	0.10	0.84	0.03	0.41	0.08	1.00	-0.13	0.78	0.50	0.66
Sr	0.16	0.29	0.01	0.03	-0.06	0.08	-0.16	0.32	-0.13	1.00	-0.15	0.02	-0.02
Ta	0.13	-0.12	0.10	0.21	0.93	0.04	0.33	0.10	0.78	-0.15	1.00	0.72	0.88
Y	0.07	-0.13	0.17	0.27	0.89	-0.02	0.02	0.25	0.50	0.02	0.72	1.00	0.89
Zr	0.11	-0.13	0.08	0.20	0.85	0.03	0.20	0.16	0.66	-0.02	0.88	0.89	1.00

Figure I7

V.2 TRAITEMENT DE PONDÉRATION POUR LA RÉGION DE MURDOCHVILLE (suite)

Les résultats indiquent que la minéralisation aurifère est indépendante de la minéralisation cuprifère. En d'autres termes, cela signifie qu'il est peu probable d'avoir un gisement polymétallique de sulfures enrichi en or et vice-versa.

Par la suite, nous avons calculé les histogrammes et courbes de fréquence cumulée pour les éléments retenus dans les équations de pondération. Les figures (18 à 27) illustrent les histogrammes et courbes de fréquence cumulée pour certains éléments choisis. Les seuils anomaliques de chaque élément de l'équation de pondération ont été ajustés par l'interprétation des histogrammes et courbes de fréquence cumulée. Le tableau 3 montre les seuils anomaliques calculés pour la région de Murdochville.

TABLEAU 5 SEUILS ANOMALIQUES DE LA RÉGION DE MURDOCHVILLE

Au	5.93	ppb
Cu	51.9	ppm
Pb	53.9	ppm
Zn	135.6	ppm
Mo	7.65	ppm
V	182.5	ppm
As	49.0	ppm
Bi	4.48	ppm
W	15.48	ppm
Ba	1998.2	ppm
Nb	42.5	ppm
Rb	155.5	ppm
Sn	22.2	ppm
Sr	148.5	ppm
Ta	9.49	ppm
Y	27.1	ppm
Zr	699.2	ppm

MURDOCHVILLE
DISTRIBUTION STATISTIQUE DE L'OR

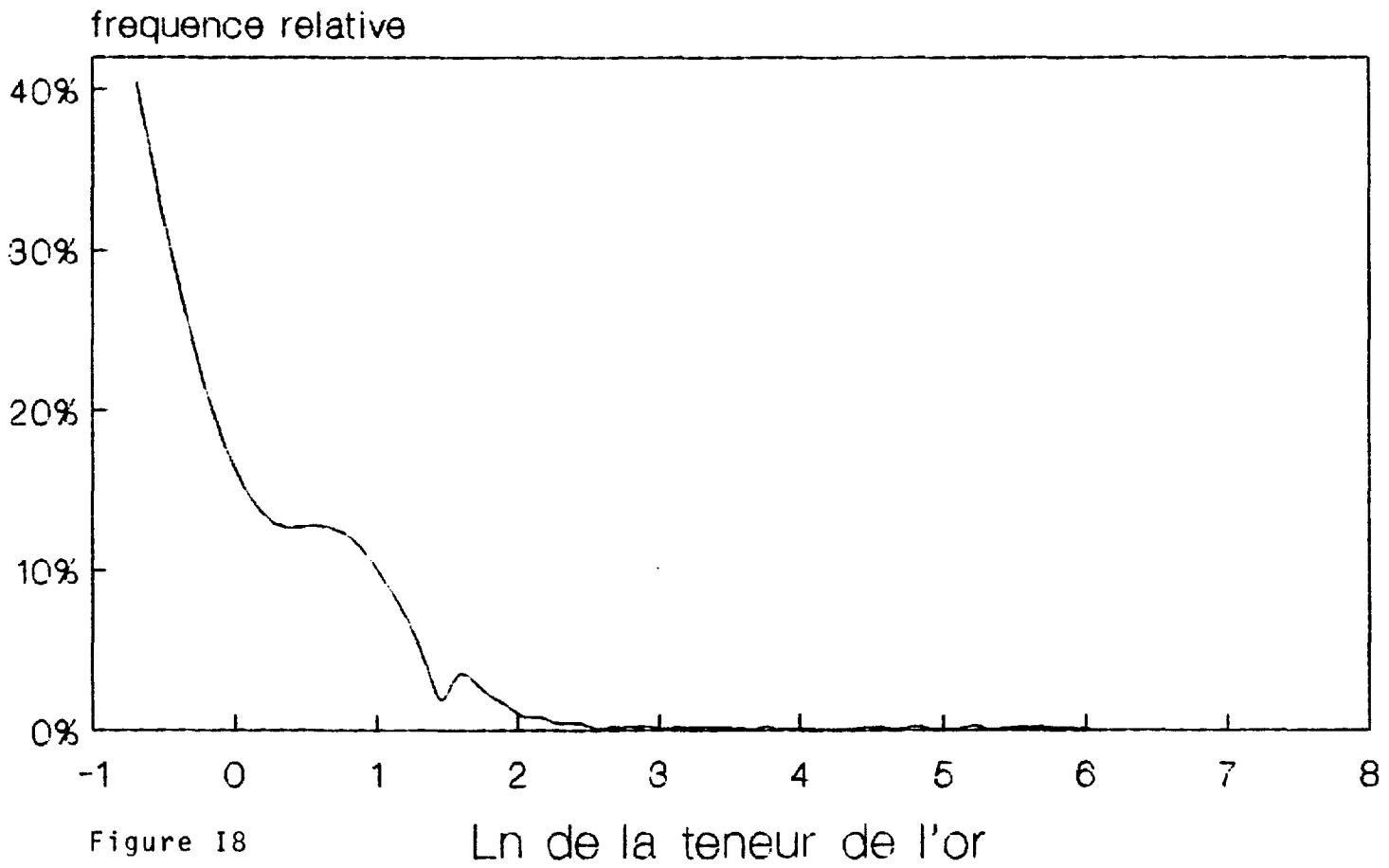

Figure I8

MURDOCHVILLE
DISTRIBUTION STATISTIQUE DE L'OR

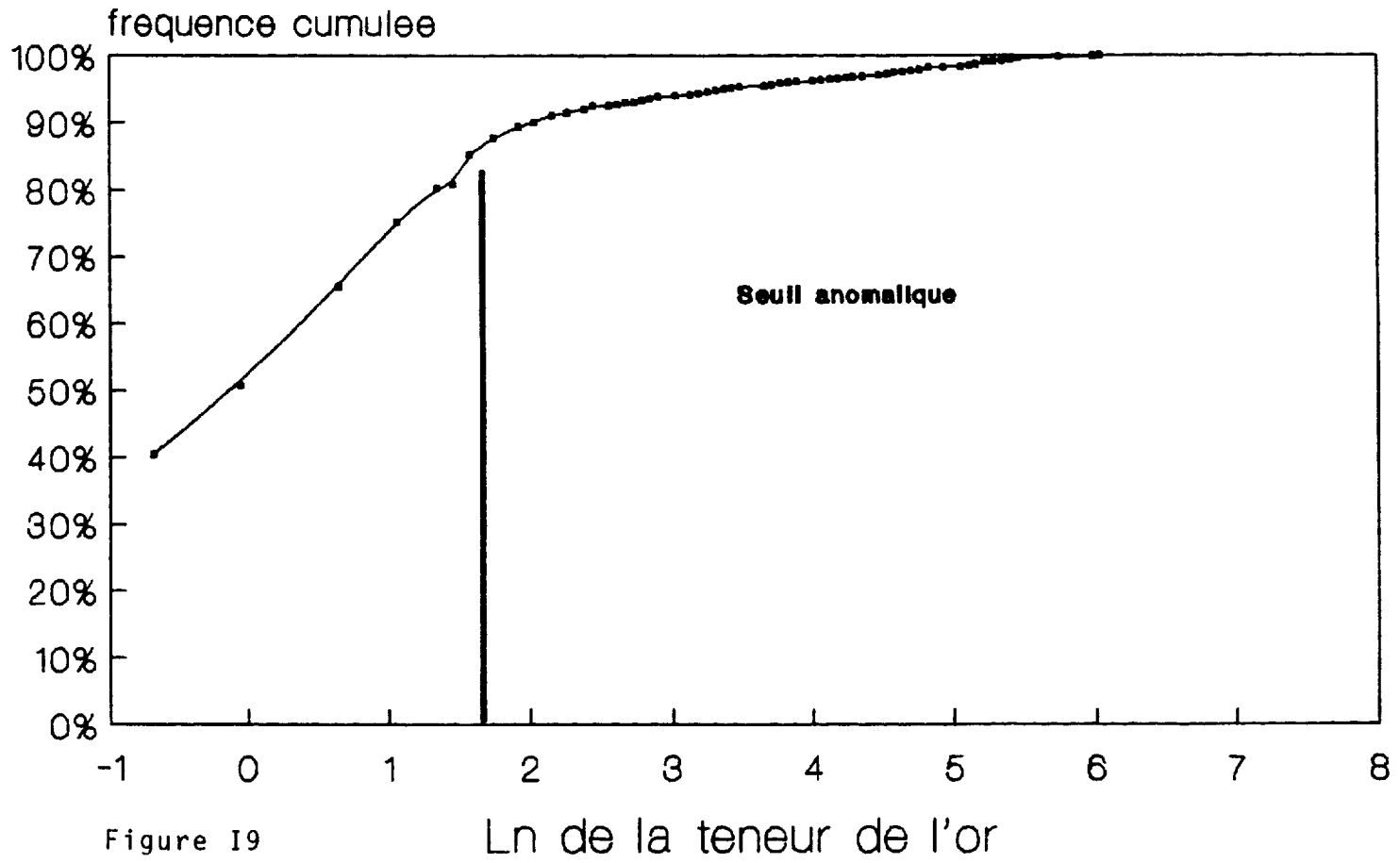

Figure I9

MURDOCHVILLE
DISTRIBUTION STATISTIQUE DU CUIVRE

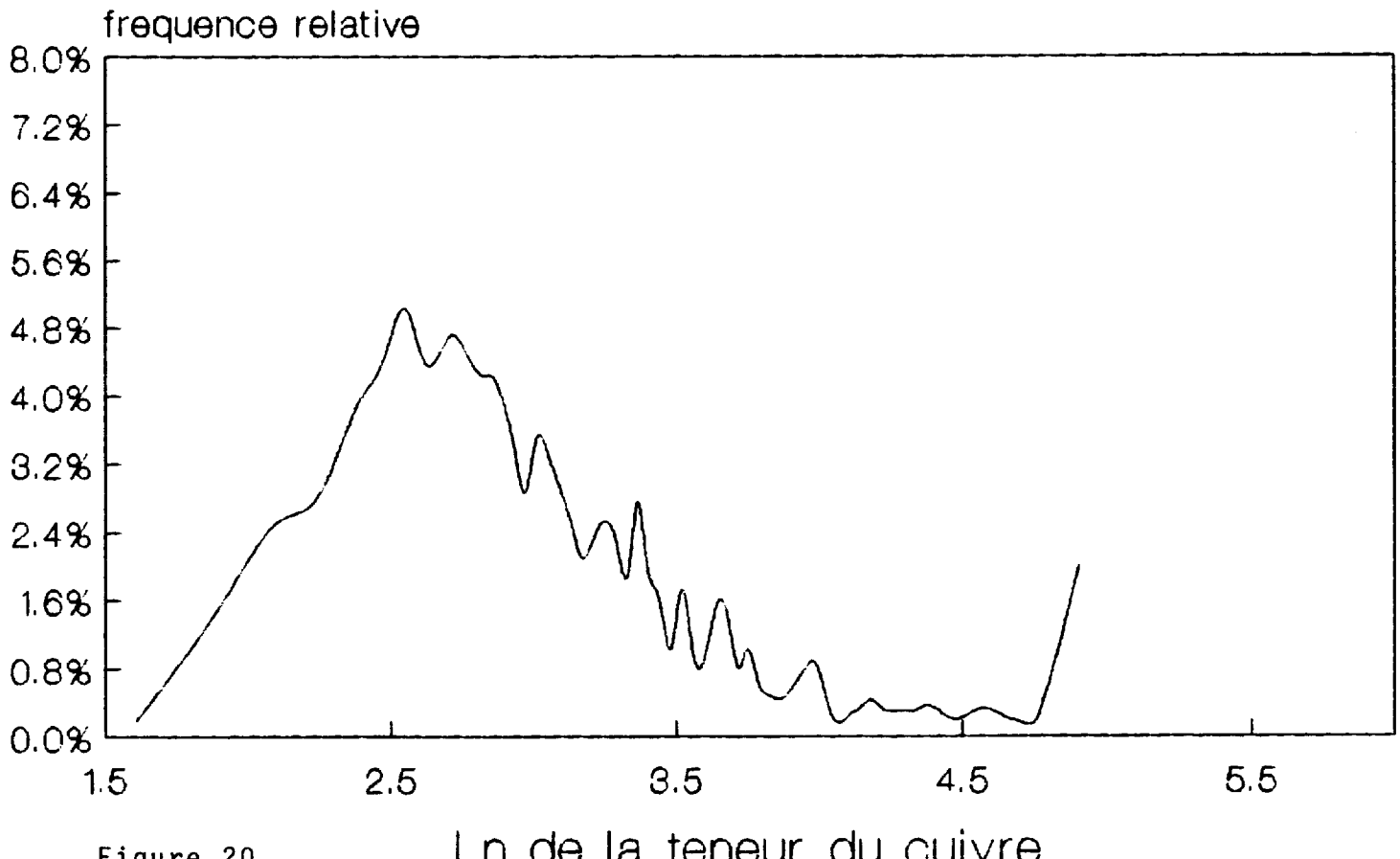

Figure 20

MURDOCHVILLE
DISTRIBUTION STATISTIQUE DU CUIVRE

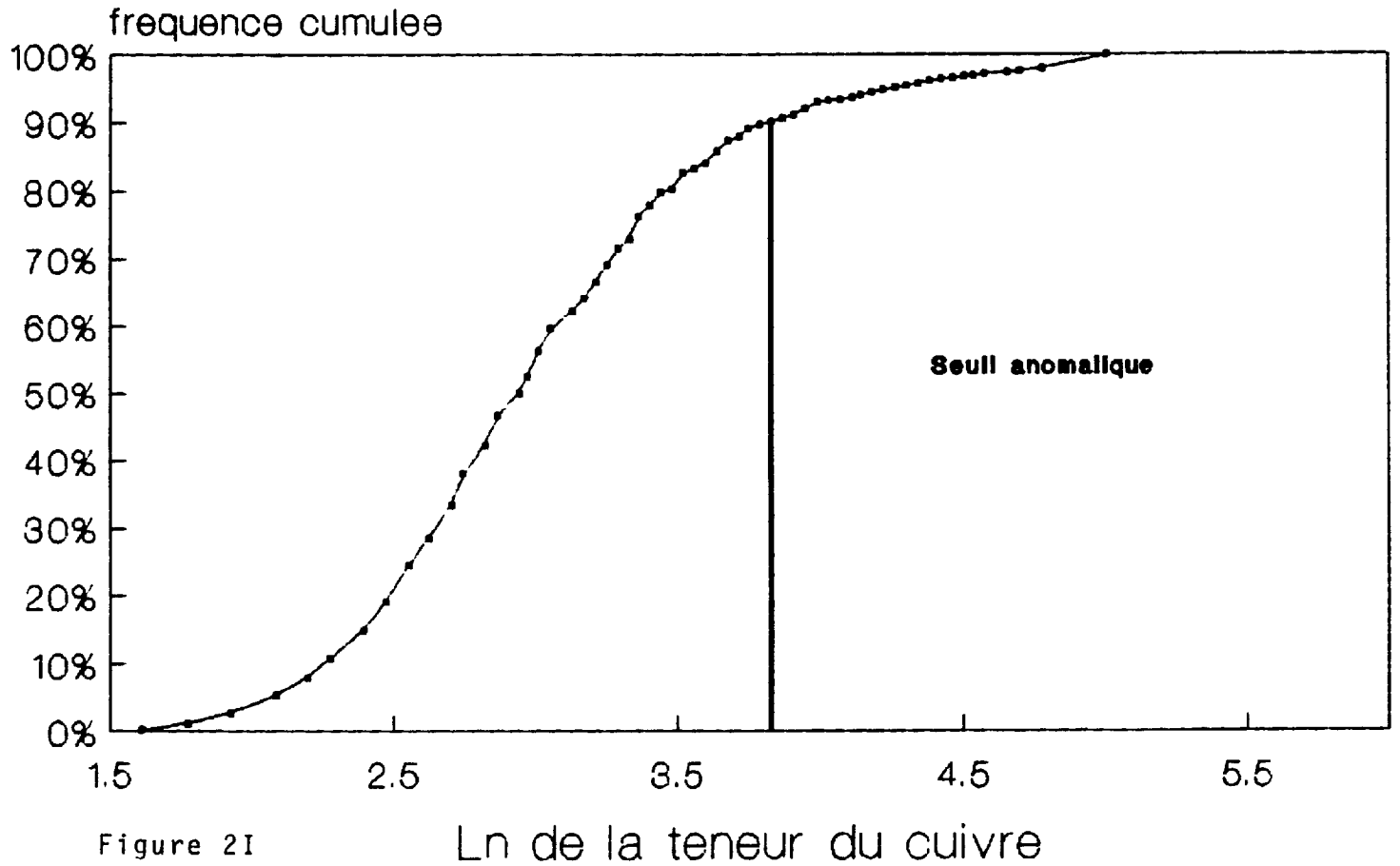

Figure 2I

MURDOCHVILLE
DISTRIBUTION STATISTIQUE DU ZINC

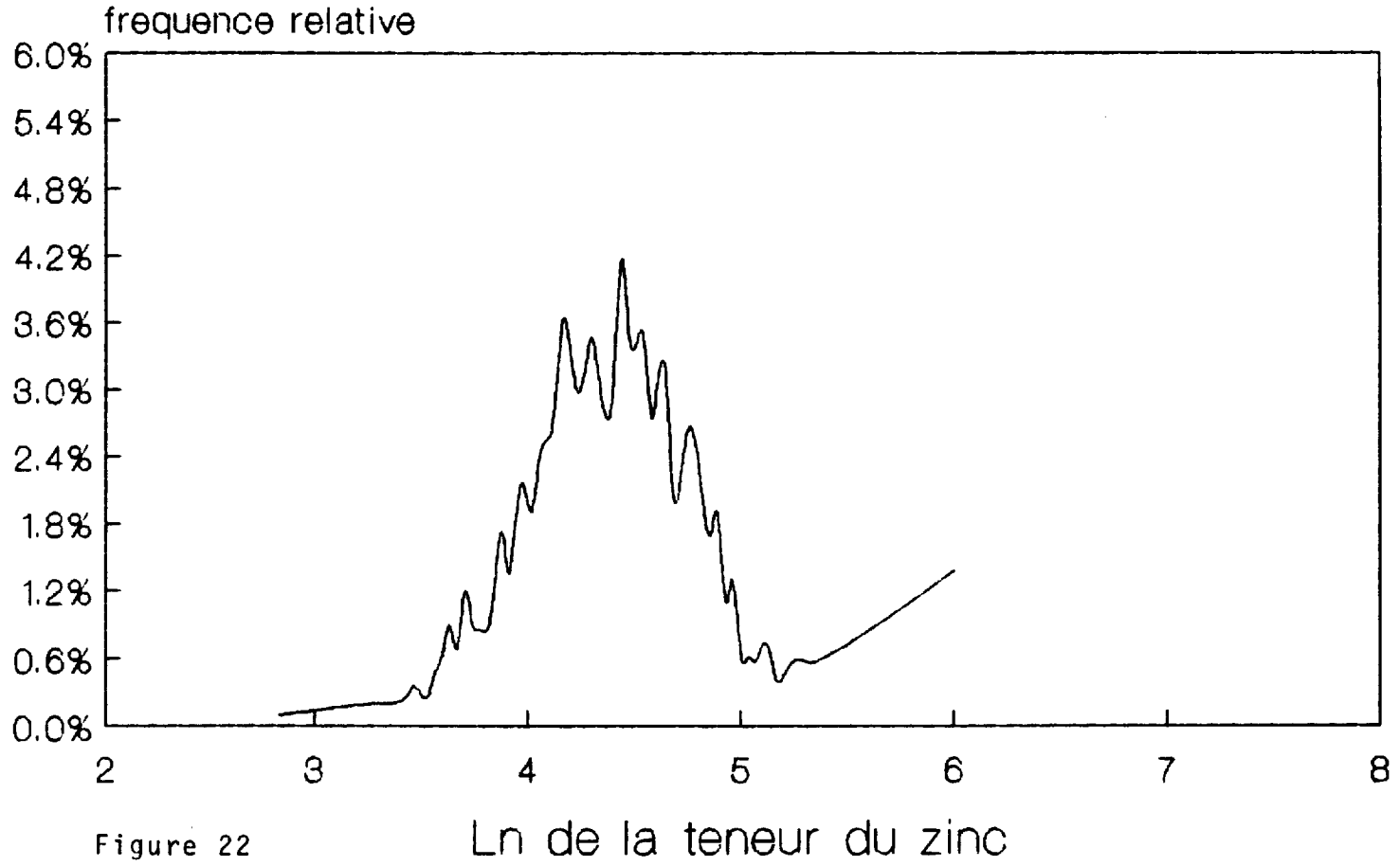

Figure 22

MURDOCHVILLE
DISTRIBUTION STATISTIQUE DU ZINC

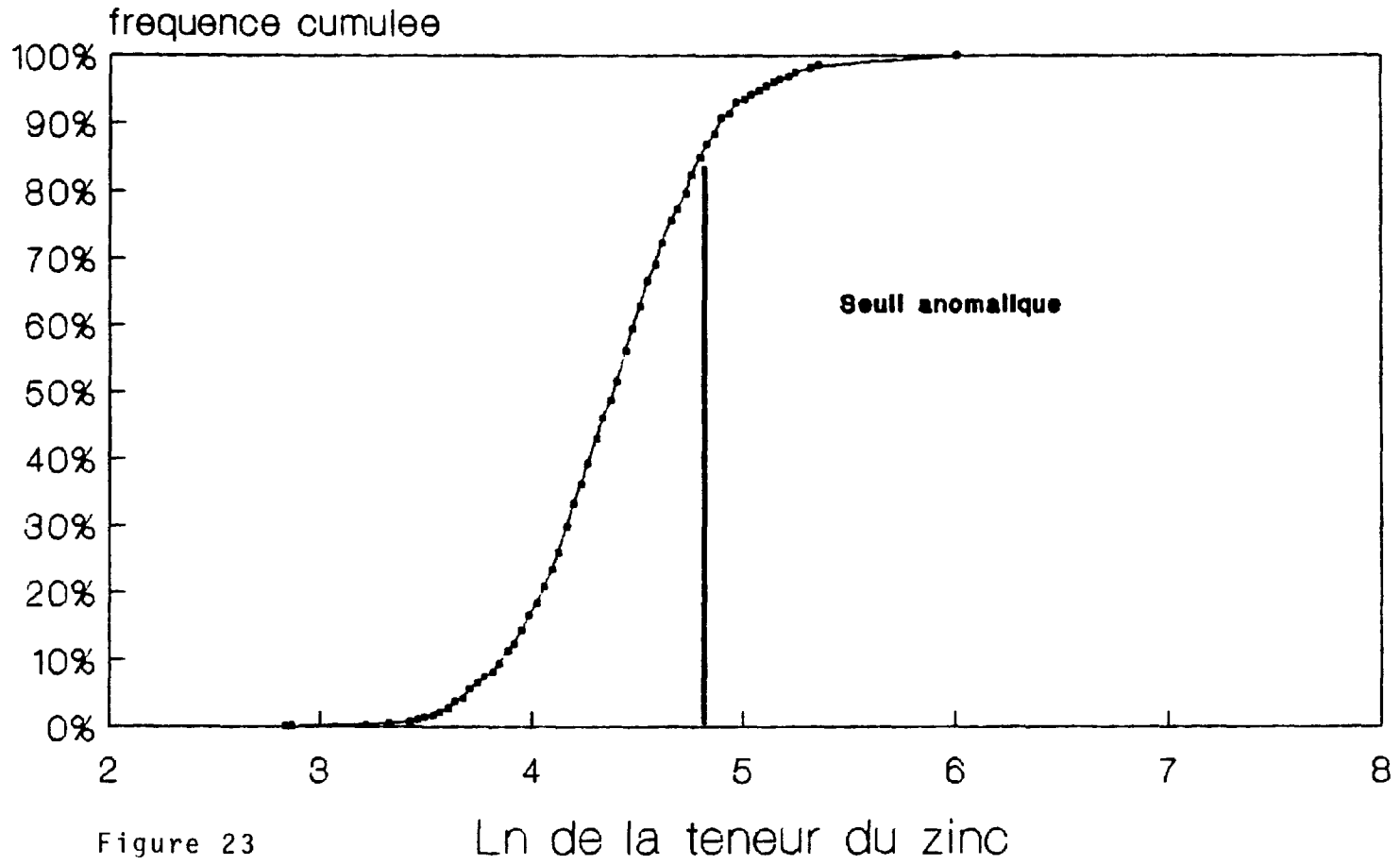

Figure 23

MURDOCHVILLE
DISTRIBUTION STATISTIQUE DU TUNGSTENE

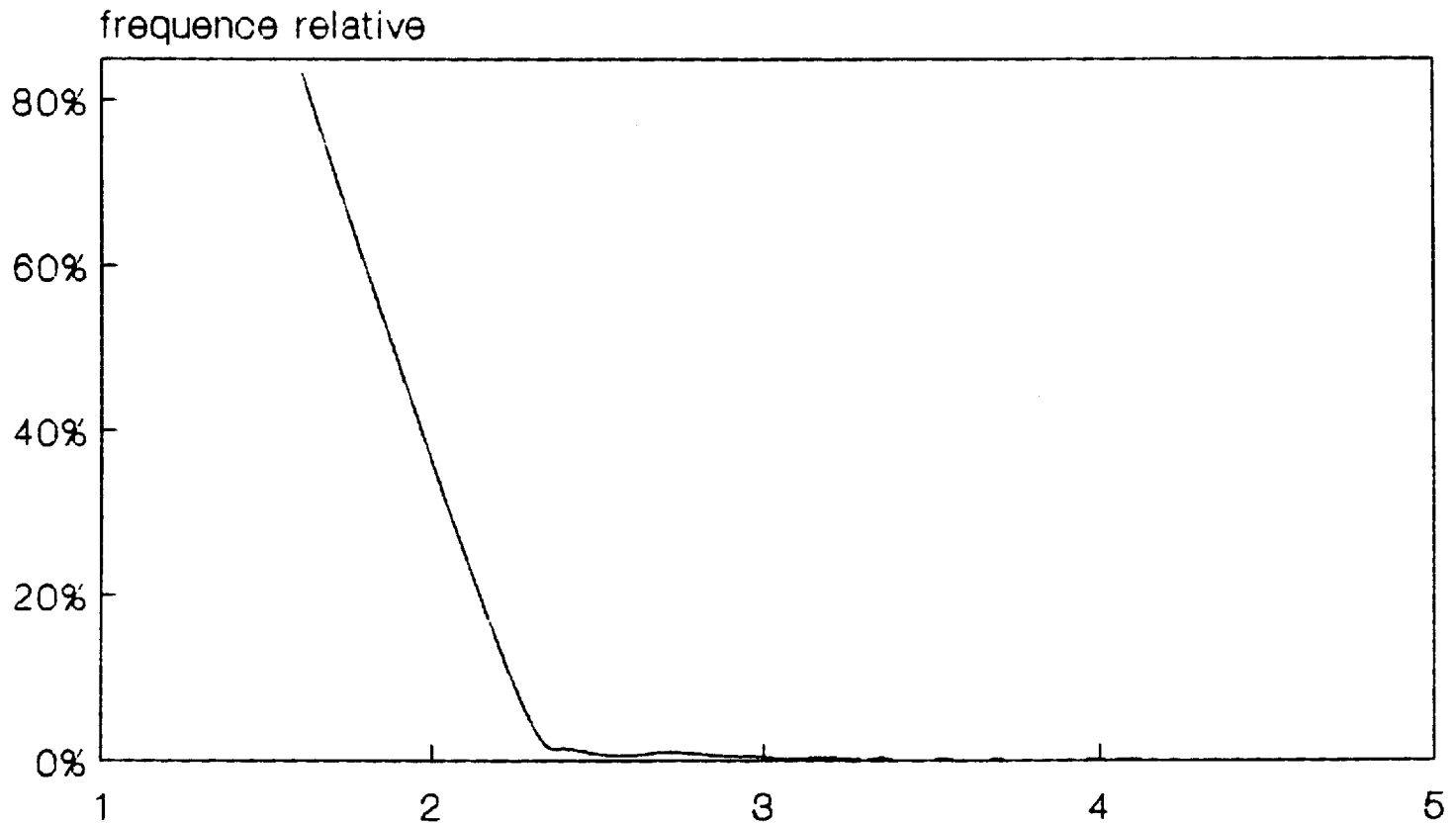

Figure 24

MURDOCHVILLE
DISTRIBUTION STATISTIQUE DU TUNGSTENE

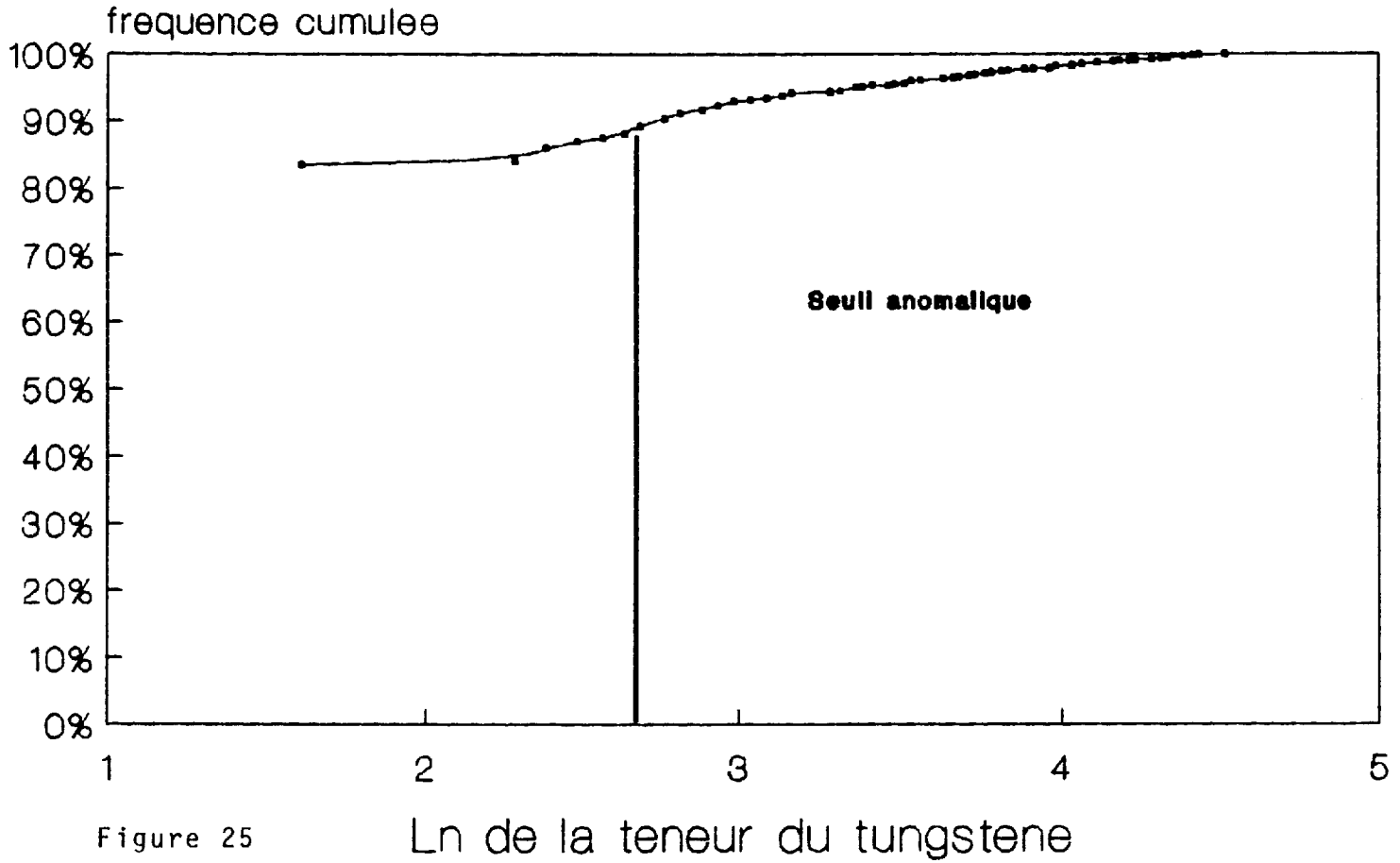

Figure 25

MURDOCHVILLE
DISTRIBUTION STATISTIQUE DU ZIRCONIUM

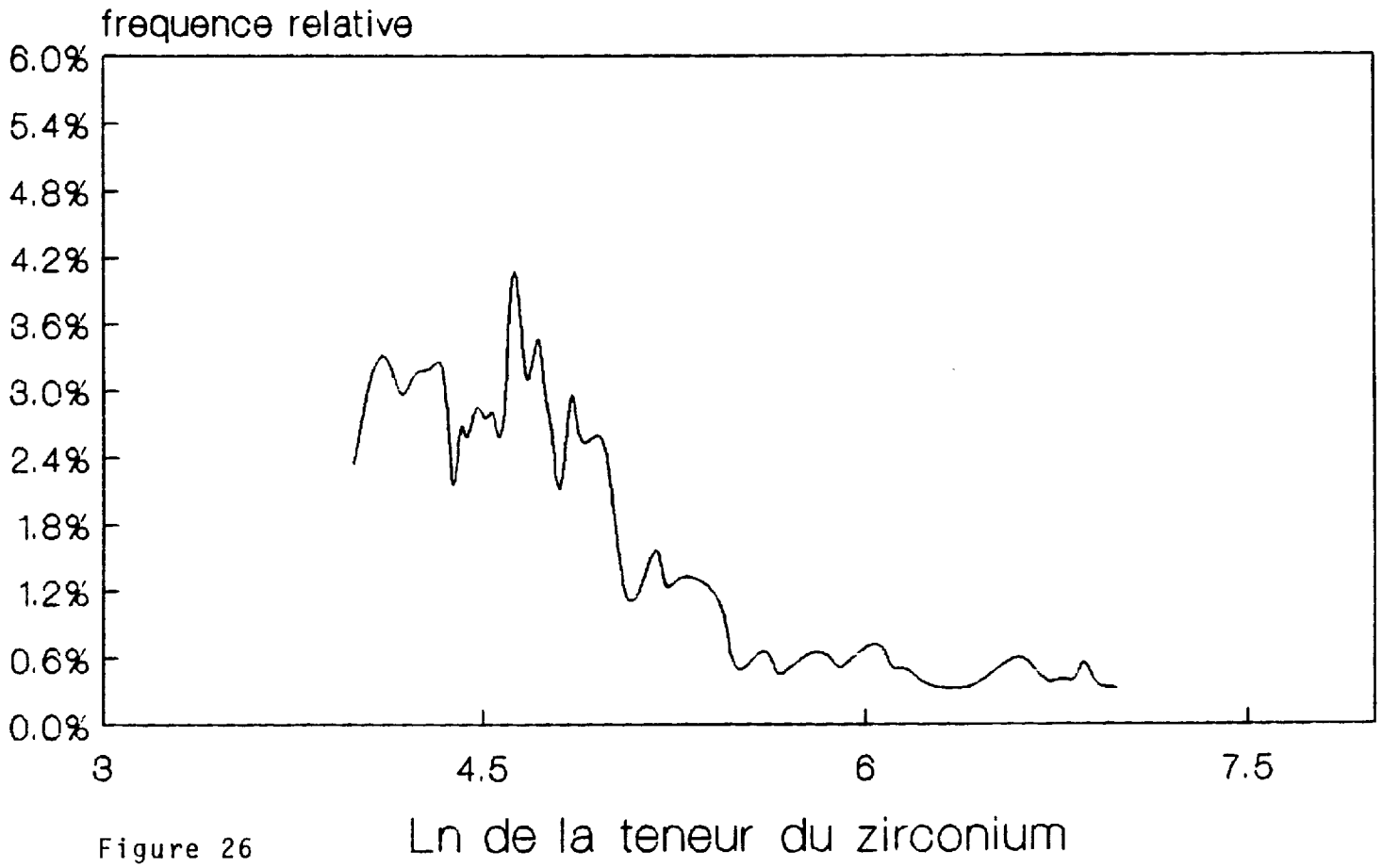

Figure 26

MURDOCHVILLE
DISTRIBUTION STATISTIQUE DU ZIRCONIUM

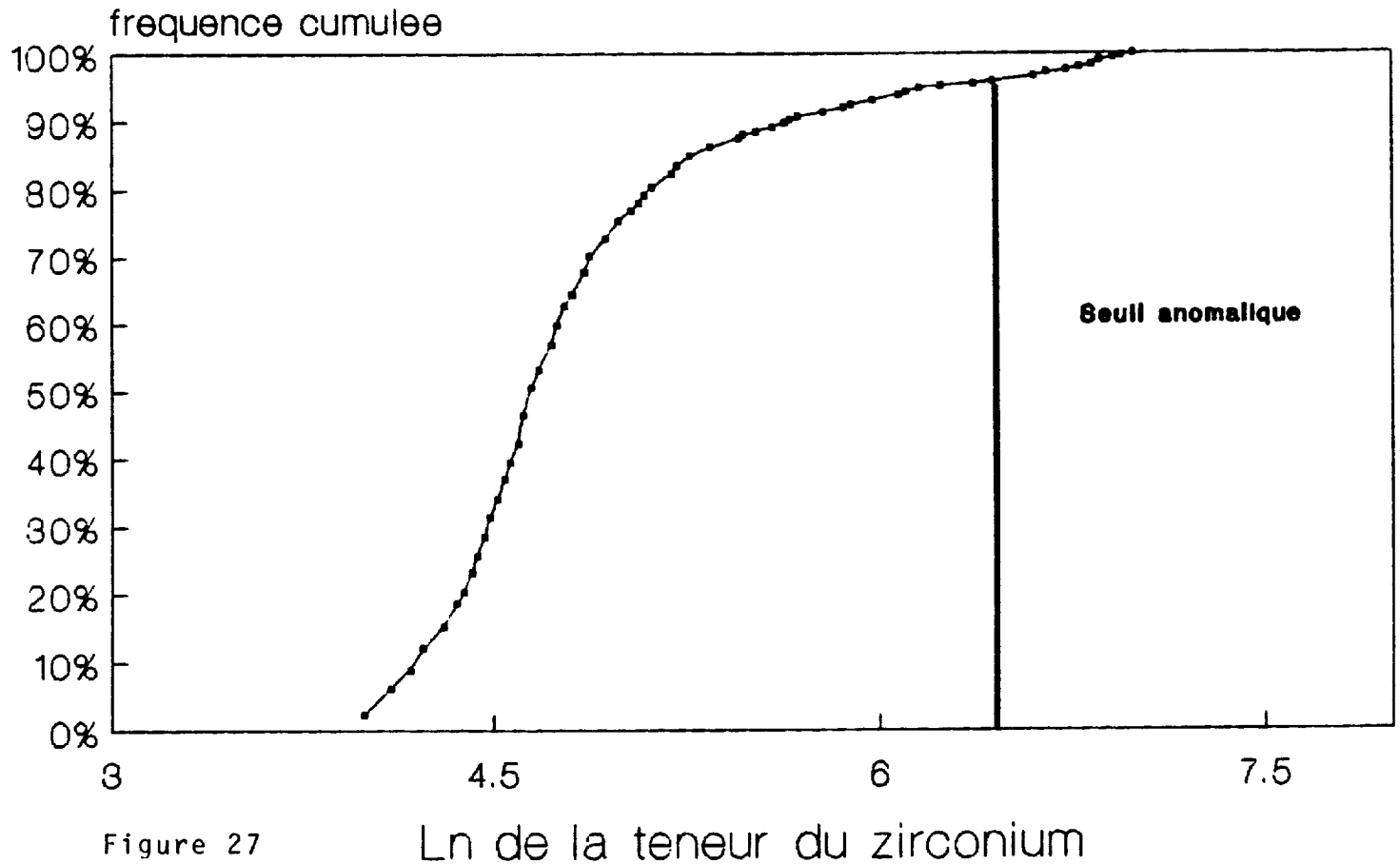

Figure 27

V.2 TRAITEMENT DE PONDÉRATION POUR LA RÉGION DE MURDOCHVILLE (suite)

Pour la variable de pondération en or, nous avons calculé les coefficients de pondération suivants:

Au	10
V	6
W	6
Ba	5
Nb	3
Sn	3
Sr	2
Ta	3
Y	3
Zr	4
Total	48

Pour la variable de pondération en cuivre, nous avons calculé les coefficients de pondération suivants:

Cu	10
Pb	6
Zn	5
Mo	8
As	6
Bi	5
W	7
Total	47

Les valeurs de pondération en or au-dessus de 37.5 ont été classifiées comme fortement anomaliques et celles au-dessus de 27.5 ont été désignées comme étant faiblement anomaliques. Ces 2 types d'anomalies sont représentées dans les cartes: carte des anomalies en "Au" et carte des anomalies en "Cu".

V.3 TRAITEMENT DE PONDÉRATION POUR LA RÉGION DES CHICS-CHOCS

Les matrices de corrélation calculées pour la région des Chics-Chocs sont illustrées par les figures (28 à 31). L'interprétation des coefficients de corrélation des diverses matrices révèlent les associations suivantes:

Minéralisation en Au

Au, Nb, Rb, Zr

Minéralisation en Cu

Cu, Pb, Zn, Mo, Co, As, Bi, W, Sn

La minéralisation aurifère est faiblement associée à Nb, Rb et Zr. Ces éléments se retrouvent dans les granites et les dykes felsiques. Des zones de cisaillement ou des dykes felsiques en bordure de failles importantes sont des contextes importants à considérer comme cibles d'exploration.

La minéralisation cuprifère a pratiquement la même signature chimique que la région de Murdochville; le cobalt et l'étain sont des éléments additionnels qui sont associés au cuivre. L'association du cobalt avec les gisements de type "porphyry copper" est plutôt bizarre et pourrait marquer davantage les failles et structures majeures qui sont possiblement enrichies en cobalt (c'est le cas dans les cantons de l'est) ou pourraît représenter des gites Co, Cu qui pourrait se rapprocher du type Outoukompou. De plus, parce que la corrélation entre Cu et les éléments typiques d'un système "porphyry copper" est moyenne comparativement à As, il est probable de retrouver des minéralisations cuprifères qui possèdent une nature différente.

Egalement, pour la région des Chics-Chocs, les résultats indiquent qu'il est peu probable de retrouver une minéralisation poly-métallique qui soit aurifère et vice-versa.

Suite à cela, nous avons calculé les histogrammes et courbes de fréquence cumulée des éléments pertinents retenus pour les équations de pondération. Les figures (32 à 41) montrent les histogrammes et courbes de fréquence cumulée pour certains éléments choisis. Le seuil anomalique de chaque élément a été déterminé de la même manière que précédemment. Le tableau 4 illustre les seuils anomaliques calculés pour la région des Chics-Chocs.

TABLEAU 6. STATISTIQUES CHICS-CHOCS (ICP)

	MOYENNE	ECART-TYPE	92 PERCENTILE
PT	5.10	1.44	7.97
PD	4.67	46.93	98.52
AU	25.52	330.37	686.25
PO	23.74	10.39	44.52
CU	69.82	131.18	332.17
PB	49.57	222.04	493.66
ZN	216.54	790.44	1797.41
MO	3.08	2.15	7.39
CO	32.92	27.76	88.44
NI	74.45	83.66	241.77
AG	0.85	1.06	2.96
CD	1.28	6.35	13.98
CR	1760.24	4098.20	9938.65
LI	28.54	17.66	63.87
V	200.40	119.75	439.90
AS	31.29	33.78	98.84
B	1.65	5.59	12.82
BE	5.83	6.17	18.18
BI	5.08	6.70	18.48
GA	19.13	9.99	39.12
TE	10.03	0.64	11.32
TI	10.11	2.05	14.21
W	6.98	9.53	26.04
BA	608.69	1529.25	3667.18
CE	47.72	108.68	265.07
LA	25.81	47.97	121.72
NB	12.49	41.04	94.57
RB	70.72	52.22	175.15
SB	6.16	28.24	62.64
SC	18.32	9.00	36.32
SN	19.13	11.53	42.18
SR	117.88	64.37	246.61
TA	5.54	2.33	10.20
Y	24.95	10 35	45.65
ZR	108.51	151.31	411.14

MATRICE DE CORRELATION - CHICS-CHOCS

	Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc	Sn	Sr	Ta	Y	Zr
Pt	-0.00	-0.00	-0.01	0.09	-0.01	-0.02	-0.00	0.00	-0.01	0.03	-0.03	0.12	-0.02	0.02	-0.01
Pd	-0.00	-0.00	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.01	0.10	-0.01	0.04	-0.02	0.06	-0.04
Au	-0.00	-0.00	0.02	-0.02	0.01	0.01	0.01	0.03	-0.01	-0.04	-0.00	-0.04	-0.00	-0.01	0.02
po	0.01	0.01	0.03	-0.07	0.02	0.01	0.08	0.15	-0.01	-0.27	0.06	-0.24	0.04	-0.07	0.01
Cu	-0.01	-0.02	0.26	-0.05	0.01	-0.00	-0.03	-0.00	-0.03	-0.03	0.21	-0.13	0.15	-0.04	-0.03
Pb	-0.00	-0.01	0.14	-0.00	0.03	0.02	0.00	0.08	-0.01	-0.12	0.17	-0.13	0.01	-0.09	0.03
Zn	-0.01	0.04	0.15	-0.01	0.01	0.01	0.00	0.05	0.06	-0.08	0.25	-0.10	0.01	-0.07	0.01
Mo	0.06	0.09	0.31	0.01	0.01	0.00	0.03	0.02	0.19	-0.02	0.22	-0.02	0.27	0.03	0.13
Co	-0.02	0.44	0.10	-0.10	0.02	-0.01	-0.02	-0.16	0.59	0.21	0.55	-0.03	0.09	0.03	-0.14
Ni	0.01	0.22	-0.02	-0.07	0.06	0.05	0.02	-0.07	0.46	0.04	0.60	-0.14	-0.03	-0.16	-0.09
Ag	0.01	0.35	0.13	0.14	0.28	0.28	0.13	0.08	0.43	-0.16	0.42	-0.19	0.21	-0.02	0.16
Cd	-0.01	-0.01	0.15	0.01	0.01	0.00	-0.00	0.02	-0.01	-0.04	0.21	-0.06	0.01	-0.02	0.00
Cr	-0.02	0.24	-0.01	0.00	-0.06	-0.05	-0.03	-0.20	0.45	0.24	0.39	0.07	0.03	0.15	-0.12
Li	0.07	-0.07	-0.08	0.01	0.15	0.14	0.08	0.33	-0.12	-0.44	-0.19	-0.36	-0.08	-0.48	0.07
V	-0.04	0.19	-0.01	-0.08	-0.12	-0.13	-0.11	-0.42	0.26	0.67	0.28	0.46	0.03	0.37	-0.21
As	-0.01	0.05	0.30	0.01	0.06	0.05	-0.00	0.01	0.08	-0.09	0.20	-0.13	0.17	-0.04	0.03
B	-0.01	-0.01	-0.02	-0.02	-0.03	-0.04	-0.01	-0.07	-0.02	-0.10	-0.04	-0.13	-0.03	-0.15	-0.03
Be	0.00	-0.03	0.07	0.16	0.02	0.02	0.02	-0.12	-0.03	0.13	-0.00	0.09	0.13	0.22	-0.04
Bi	-0.02	0.39	0.16	0.04	-0.05	-0.03	-0.01	-0.11	0.60	0.08	0.27	0.00	0.09	0.12	0.05
Ga	0.01	0.58	-0.05	-0.11	0.10	0.05	0.04	-0.01	0.72	0.03	0.36	-0.07	-0.03	-0.08	-0.11
Te	1.00	-0.00	0.05	-0.00	0.01	0.00	0.55	0.05	0.02	-0.02	0.04	-0.03	0.32	-0.02	0.00
Tl	-0.00	1.00	0.01	-0.02	0.01	0.00	0.02	-0.02	0.82	-0.01	0.19	-0.07	-0.01	-0.03	-0.02
W	0.05	0.01	1.00	0.03	0.10	0.14	0.13	0.03	0.04	-0.05	0.13	0.12	0.33	0.19	0.50
Ba	-0.00	-0.02	0.03	1.00	-0.00	0.01	0.02	0.02	-0.04	-0.04	0.03	0.27	0.08	0.14	0.04
Ce	0.01	0.01	0.10	-0.00	1.00	0.99	0.15	0.13	0.00	-0.16	-0.03	-0.11	0.13	0.04	0.16
La	0.00	0.00	0.14	0.01	0.99	1.00	0.15	0.13	-0.00	-0.14	-0.03	-0.08	0.16	0.09	0.23
Nb	0.55	0.02	0.13	0.02	0.15	0.15	1.00	0.10	0.03	-0.14	0.01	-0.06	0.52	0.04	0.25
Rb	0.05	-0.02	0.03	0.02	0.13	0.13	0.10	1.00	-0.06	-0.42	-0.10	-0.35	0.00	-0.25	0.22
Sb	0.02	0.82	0.04	-0.04	0.00	-0.00	0.03	-0.06	1.00	0.01	0.38	-0.10	0.03	-0.04	-0.03
Sc	-0.02	-0.01	-0.05	-0.04	-0.16	-0.14	-0.14	-0.42	0.01	1.00	0.16	0.58	0.05	0.65	-0.23
Sn	0.04	0.19	0.13	0.03	-0.03	-0.03	0.01	-0.10	0.38	0.16	1.00	-0.05	0.14	0.07	-0.04
Sr	-0.03	-0.07	0.12	0.27	-0.11	-0.08	-0.06	-0.35	-0.10	0.58	-0.05	1.00	0.07	0.52	0.04
Ta	0.32	-0.01	0.33	0.08	0.13	0.16	0.52	0.00	0.03	0.05	0.14	0.07	1.00	0.27	0.35
Y	-0.02	-0.03	0.19	0.14	0.04	0.09	0.04	-0.25	-0.04	0.65	0.07	0.52	0.27	1.00	0.28
Zr	0.00	-0.02	0.50	0.04	0.16	0.23	0.25	0.22	-0.03	-0.23	-0.04	0.04	0.35	0.28	1.00

Figure 28

MATRICE DE CORRELATION - CHICS-CHOCS

	Pt	Pd	Au	pa	Cu	Pb	Zn	Mo	Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Pt	1.00	0.03	0.20	-0.06	-0.02	-0.01	-0.01	-0.02	-0.01	-0.02	-0.05	0.00	0.02	0.02	0.01	-0.01	-0.01	0.03	0.02	-0.01
Pd	0.03	1.00	0.07	-0.03	0.01	-0.02	-0.01	-0.02	0.02	0.03	-0.02	-0.01	0.10	-0.06	0.06	-0.02	-0.01	0.04	0.03	0.01
Au	0.20	0.07	1.00	0.00	0.01	0.01	-0.00	0.01	-0.01	-0.01	0.02	0.00	-0.01	-0.03	-0.02	0.02	-0.01	0.00	-0.01	-0.01
pa	-0.06	-0.03	0.00	1.00	0.21	0.21	0.15	0.04	0.05	-0.08	0.05	0.12	-0.04	-0.13	-0.12	0.21	-0.04	0.10	0.01	0.03
Cu	-0.02	0.01	0.01	0.21	1.00	0.27	0.22	0.34	0.32	-0.03	0.17	0.17	-0.07	-0.08	0.02	0.70	-0.03	0.03	0.17	-0.09
Pb	-0.01	-0.02	0.01	0.21	0.27	1.00	0.82	0.04	0.05	-0.03	0.22	0.75	-0.07	-0.02	-0.05	0.40	-0.02	0.05	0.01	-0.06
Zn	-0.01	-0.01	-0.00	0.15	0.22	0.82	1.00	0.03	0.09	0.02	0.17	0.96	0.01	-0.03	-0.01	0.29	-0.02	0.03	0.06	0.01
Mo	-0.02	-0.02	0.01	0.04	0.34	0.04	0.03	1.00	0.15	-0.01	0.07	0.01	0.04	0.01	0.09	0.38	-0.03	-0.06	0.33	0.08
Co	-0.01	0.02	-0.01	0.05	0.32	0.05	0.09	0.15	1.00	0.60	0.42	0.03	0.50	-0.25	0.47	0.30	-0.05	0.07	0.40	0.61
Ni	-0.02	0.03	-0.01	-0.08	-0.03	-0.03	0.02	-0.01	0.60	1.00	0.37	-0.03	0.64	-0.04	0.13	0.01	-0.01	-0.08	0.36	0.46
Ag	-0.05	-0.02	0.02	0.05	0.17	0.22	0.17	0.07	0.42	0.37	1.00	0.12	0.27	0.04	0.05	0.23	0.01	0.08	0.20	0.41
Cd	0.00	-0.01	0.00	0.12	0.17	0.75	0.96	0.01	0.03	-0.03	0.12	1.00	-0.03	-0.04	-0.01	0.20	-0.01	0.07	-0.00	-0.03
Cr	0.02	0.10	-0.01	-0.04	-0.07	-0.07	0.01	0.04	0.50	0.64	0.27	-0.03	1.00	-0.27	0.30	-0.02	-0.04	0.00	0.54	0.51
Li	0.02	-0.06	-0.03	-0.13	-0.08	-0.02	-0.03	0.01	-0.25	-0.04	0.04	-0.04	-0.27	1.00	-0.45	-0.07	0.09	-0.16	-0.22	-0.02
V	0.01	0.06	-0.02	-0.12	0.02	-0.05	-0.01	0.09	0.47	0.13	0.05	-0.01	0.30	-0.45	1.00	0.04	-0.06	0.19	0.21	0.37
As	-0.01	-0.02	0.02	0.21	0.70	0.40	0.29	0.38	0.30	0.01	0.23	0.20	-0.02	-0.07	0.04	1.00	-0.02	0.10	0.21	-0.05
B	-0.01	-0.01	-0.01	-0.04	-0.03	-0.02	-0.02	-0.03	-0.05	-0.01	0.01	-0.01	-0.04	0.09	-0.06	-0.02	1.00	0.01	-0.03	0.01
Be	0.03	0.04	0.00	0.10	0.03	0.05	0.03	-0.06	0.07	-0.08	0.08	0.07	0.00	-0.16	0.19	0.10	0.01	1.00	0.07	-0.02
Bi	0.02	0.03	-0.01	0.01	0.17	0.01	0.06	0.33	0.40	0.36	0.20	-0.00	0.54	-0.22	0.21	0.21	-0.03	0.07	1.00	0.30
Ga	-0.01	0.01	-0.01	0.03	-0.09	-0.06	0.01	0.08	0.61	0.46	0.41	-0.03	0.51	-0.02	0.37	-0.05	0.01	-0.02	0.30	1.00
Te	-0.00	-0.00	-0.00	0.01	-0.01	-0.00	-0.01	0.06	-0.02	0.01	0.01	-0.01	-0.02	0.07	-0.04	-0.01	-0.01	0.00	-0.02	0.01
Tl	-0.00	-0.00	-0.00	0.01	-0.02	-0.01	0.04	0.09	0.44	0.22	0.35	-0.01	0.24	-0.07	0.19	0.05	-0.01	-0.03	0.39	0.58
W	-0.01	-0.02	0.02	0.03	0.26	0.14	0.15	0.31	0.10	-0.02	0.13	0.15	-0.01	-0.08	-0.01	0.30	-0.02	0.07	0.16	-0.05
Ba	0.09	-0.02	-0.02	-0.07	-0.05	-0.00	-0.01	0.01	-0.10	-0.07	0.14	0.01	0.00	0.01	-0.08	0.01	-0.02	0.16	0.04	-0.11
Ce	-0.01	-0.02	0.01	0.02	0.01	0.03	0.01	0.01	0.02	0.06	0.28	0.01	-0.06	0.15	-0.12	0.06	-0.03	0.02	-0.05	0.10
La	-0.02	-0.02	0.01	0.01	-0.00	0.02	0.01	0.00	-0.01	0.05	0.28	0.00	-0.05	0.14	-0.13	0.05	-0.04	0.02	-0.03	0.05
Nb	-0.00	-0.02	0.01	0.08	-0.03	0.00	0.00	0.03	-0.02	0.02	0.13	-0.00	-0.03	0.08	-0.11	-0.00	-0.01	0.02	-0.01	0.04
Rb	0.00	-0.02	0.03	0.15	-0.00	0.08	0.05	0.02	-0.16	-0.07	0.08	0.02	-0.20	0.33	-0.42	0.01	-0.07	-0.12	-0.11	-0.01
Sb	-0.01	-0.01	-0.01	-0.01	-0.03	-0.01	0.06	0.19	0.59	0.46	0.43	-0.01	0.45	-0.12	0.26	0.08	-0.02	-0.03	0.60	0.72
Sc	0.03	0.10	-0.04	-0.27	-0.03	-0.12	-0.08	-0.02	0.21	0.04	-0.16	-0.04	0.24	-0.44	0.67	-0.09	-0.10	0.13	0.08	0.03
Sn	-0.03	-0.01	-0.00	0.06	0.21	0.17	0.25	0.22	0.55	0.60	0.42	0.21	0.39	-0.19	0.28	0.20	-0.04	-0.00	0.27	0.36
Sr	0.12	0.04	-0.04	-0.24	-0.13	-0.13	-0.10	-0.02	-0.03	-0.14	-0.19	-0.06	0.07	-0.36	0.46	-0.13	-0.13	0.09	0.00	-0.07
Ta	-0.02	-0.02	-0.00	0.04	0.15	0.01	0.01	0.27	0.09	-0.03	0.21	0.01	0.03	-0.08	0.03	0.17	-0.03	0.13	0.09	-0.03
Y	0.02	0.06	-0.01	-0.07	-0.04	-0.09	-0.07	0.03	0.03	-0.16	-0.02	-0.02	0.15	-0.48	0.37	-0.04	-0.15	0.22	0.12	-0.08
Zr	-0.01	-0.04	0.02	0.01	-0.03	0.03	0.01	0.13	-0.14	-0.09	0.16	0.00	-0.12	0.07	-0.21	0.03	-0.03	-0.04	0.05	-0.11

Figure 29

TABLEAU 7. STATISTIQUES CHICS-CHOCS (ICP) (AU>10 PPB)

	MOYENNE	ECART-TYPE	92 PERCENTILE
PT	5.26	1.57	8.41
PD	5.48	18.86	43.20
AU	277.15	1101.48	2480.10
PO	25.28	11.16	47.59
CU	226.21	375.82	977.84
PB	200.05	566.94	1333.93
ZN	668.15	2449.25	5566.65
MO	3.67	2.97	9.61
CO	47.76	32.34	112.44
NI	84.28	59.83	203.94
AG	1.28	1.51	4.31
CD	4.80	21.08	46.96
CR	1232.00	2307.27	5846.54
LI	25.93	14.08	54.09
V	219.08	149.97	519.01
AS	71.29	98.30	267.89
B	1.00	0.00	1.00
BE	5.83	6.86	19.56
BI	5.64	6.99	19.61
GA	17.95	6.29	30.53
TE	10.00	0.00	10.00
TI	10.00	0.00	10.00
W	11.99	14.51	41.01
BA	360.94	256.05	873.04
CE	95.61	336.33	768.27
LA	45.10	148.17	341.44
NB	13.41	18.91	51.24
RB	68.72	48.66	166.03
SB	3.60	4.53	12.65
SC	17.64	8.18	34.00
SN	20.97	14.86	50.69
SR	105.94	54.20	214.34
TA	6.10	3.07	12.24
Y	24.32	8 68	41.67
ZR	112.75	81.58	275.92

MATRICE DE CORRELATION - CHICS-CHOCS - (Au > 10 PPB)

	Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc	Sn	Sr	Ta	Y	Zr
Pt	0.00	0.00	-0.08	-0.05	-0.03	-0.03	0.03	-0.03	-0.04	-0.09	-0.07	-0.09	-0.06	-0.05	0.02
Pd	0.00	0.00	-0.12	-0.06	-0.05	-0.05	-0.06	-0.10	-0.05	0.08	-0.05	0.14	-0.08	0.11	-0.07
Au	0.00	0.00	-0.05	-0.09	-0.03	-0.03	0.10	0.11	-0.01	-0.12	-0.04	-0.11	-0.05	-0.01	0.13
po	0.00	0.00	0.55	0.23	-0.02	-0.03	-0.10	-0.04	0.04	-0.28	0.36	-0.29	0.23	-0.02	0.13
Cu	0.00	0.00	0.53	0.31	-0.05	-0.05	-0.10	-0.01	0.07	-0.30	0.45	-0.43	0.40	-0.19	0.01
Pb	0.00	0.00	0.29	0.16	-0.01	-0.01	-0.01	0.09	0.11	-0.20	0.59	-0.25	-0.01	-0.13	0.12
Zn	0.00	0.00	0.26	0.13	-0.02	-0.02	-0.02	0.07	0.05	-0.16	0.58	-0.18	-0.04	-0.11	0.04
Mo	0.00	0.00	0.48	0.12	-0.07	-0.06	-0.12	-0.11	0.31	-0.13	0.45	-0.24	0.47	-0.03	-0.02
Co	0.00	0.00	0.56	0.12	0.04	0.03	0.07	0.02	0.06	-0.10	0.41	-0.22	0.36	-0.01	0.16
Ni	0.00	0.00	0.10	0.11	0.28	0.28	0.53	0.29	-0.13	-0.14	-0.17	-0.13	0.14	-0.10	0.45
Ag	0.00	0.00	0.45	0.25	0.50	0.51	0.66	0.16	0.23	-0.34	0.53	-0.44	0.35	0.01	0.63
Cd	0.00	0.00	0.28	0.11	-0.01	-0.02	-0.02	0.06	0.01	-0.13	0.55	-0.15	-0.03	-0.09	0.02
Cr	0.00	0.00	-0.05	-0.23	-0.06	-0.06	-0.11	-0.18	0.03	0.36	-0.06	0.31	-0.11	0.28	-0.17
Li	0.00	0.00	-0.19	0.39	0.15	0.15	0.29	0.45	-0.21	-0.53	-0.23	-0.54	-0.08	-0.57	0.27
V	0.00	0.00	0.00	-0.40	-0.03	-0.03	-0.16	-0.37	0.29	0.66	0.22	0.58	-0.11	0.59	-0.14
As	0.00	0.00	0.51	0.14	0.01	0.01	-0.04	-0.02	0.27	-0.27	0.36	-0.36	0.28	-0.13	0.15
B	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Be	0.00	0.00	0.51	0.02	0.22	0.21	0.19	-0.07	0.03	-0.19	-0.09	-0.14	0.26	0.03	0.19
Bi	0.00	0.00	0.41	0.23	-0.08	-0.08	-0.18	-0.12	-0.02	-0.20	0.24	-0.27	0.35	-0.11	0.01
Ga	0.00	0.00	-0.31	-0.22	0.22	0.22	0.18	-0.01	0.02	0.29	-0.07	0.33	-0.21	0.29	-0.14
Te	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tl	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
W	0.00	0.00	1.00	0.15	0.13	0.12	0.19	0.03	0.19	-0.27	0.35	-0.35	0.49	-0.06	0.32
Ba	0.00	0.00	0.15	1.00	0.08	0.08	0.17	0.26	-0.01	-0.52	0.24	-0.61	0.27	-0.47	0.27
Ce	0.00	0.00	0.13	0.08	1.00	1.00	0.84	-0.06	-0.04	-0.09	-0.06	-0.10	0.34	0.44	0.51
La	0.00	0.00	0.12	0.08	1.00	1.00	0.84	-0.06	-0.04	-0.09	-0.05	-0.10	0.33	0.45	0.52
Nb	0.00	0.00	0.19	0.17	0.84	0.84	1.00	0.25	0.03	-0.32	-0.00	-0.30	0.29	0.18	0.82
Rb	0.00	0.00	0.03	0.26	-0.06	-0.06	0.25	1.00	-0.04	-0.49	0.01	-0.48	0.01	-0.48	0.41
Sb	0.00	0.00	0.19	-0.01	-0.04	-0.04	0.03	-0.04	1.00	0.10	0.31	0.03	0.19	0.09	0.13
Sc	0.00	0.00	-0.27	-0.52	-0.09	-0.09	-0.32	-0.49	0.10	1.00	-0.07	0.88	-0.07	0.72	-0.50
Sn	0.00	0.00	0.35	0.24	-0.06	-0.05	-0.00	0.01	0.31	-0.07	1.00	-0.22	0.12	-0.02	0.14
Sr	0.00	0.00	-0.35	-0.61	-0.10	-0.10	-0.30	-0.48	0.03	0.88	-0.22	1.00	-0.15	0.66	-0.50
Ta	0.00	0.00	0.49	0.27	0.34	0.33	0.29	0.01	0.19	-0.07	0.12	-0.15	1.00	0.15	0.23
Y	0.00	0.00	-0.06	-0.47	0.44	0.45	0.18	-0.48	0.09	0.72	-0.02	0.66	0.15	1.00	-0.04
Zr	0.00	0.00	0.32	0.27	0.51	0.52	0.82	0.41	0.13	-0.50	0.14	-0.50	0.23	-0.04	1.00

Figure 30

MATRICE DE CORRELATION - CHICS-CHOCS - (Au > 10 PPB)

	Pt	Pd	Au	po	Cu	Pb	Zn	Mo	Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Pt	1.00	0.42	0.63	-0.09	-0.09	-0.05	-0.04	-0.07	-0.13	-0.10	-0.03	-0.03	-0.02	0.11	-0.10	-0.08	0.00	-0.02	-0.08	0.00
Pd	0.42	1.00	0.59	-0.07	-0.11	-0.09	-0.06	-0.09	-0.09	-0.13	-0.12	-0.05	0.11	-0.18	0.12	-0.12	0.00	-0.08	-0.11	0.12
Au	0.63	0.59	1.00	-0.02	-0.10	-0.06	-0.05	-0.03	-0.14	-0.08	-0.02	-0.04	0.01	-0.10	-0.09	-0.08	0.00	0.01	-0.06	-0.01
po	-0.09	-0.07	-0.02	1.00	0.49	0.46	0.38	0.33	0.45	-0.25	0.15	0.35	-0.19	-0.33	0.04	0.56	0.00	0.48	0.49	-0.39
Cu	-0.09	-0.11	-0.10	0.49	1.00	0.21	0.13	0.79	0.67	-0.11	0.41	0.10	-0.16	-0.17	-0.16	0.72	0.00	0.08	0.74	-0.42
Pb	-0.05	-0.09	-0.06	0.46	0.21	1.00	0.96	0.05	0.12	-0.09	0.33	0.91	-0.11	-0.12	-0.02	0.45	0.00	0.18	0.13	-0.17
Zn	-0.04	-0.06	-0.05	0.38	0.13	0.96	1.00	-0.00	0.03	-0.11	0.25	0.99	-0.08	-0.09	-0.05	0.25	0.00	0.18	0.04	-0.07
Mo	-0.07	-0.09	-0.03	0.33	0.79	0.05	-0.00	1.00	0.51	-0.19	0.36	-0.02	-0.11	-0.20	-0.07	0.52	0.00	-0.06	0.67	-0.31
Co	-0.13	-0.09	-0.14	0.45	0.67	0.12	0.03	0.51	1.00	0.21	0.41	0.00	-0.05	-0.33	0.14	0.63	0.00	0.16	0.47	-0.31
Ni	-0.10	-0.13	-0.08	-0.25	-0.11	-0.09	-0.11	-0.19	0.21	1.00	0.29	-0.10	0.24	0.25	-0.27	-0.06	0.00	0.01	-0.18	-0.07
Ag	-0.03	-0.12	-0.02	0.15	0.41	0.33	0.25	0.36	0.41	0.29	1.00	0.21	-0.06	0.10	0.00	0.41	0.00	0.13	0.22	0.04
Cd	-0.03	-0.05	-0.04	0.35	0.10	0.91	0.99	-0.02	0.00	-0.10	0.21	1.00	-0.08	-0.08	-0.06	0.15	0.00	0.20	-0.00	-0.04
Cr	-0.02	0.11	0.01	-0.19	-0.16	-0.11	-0.08	-0.11	-0.05	0.24	-0.06	-0.08	1.00	-0.23	0.24	-0.12	0.00	-0.05	-0.13	0.24
Li	0.11	-0.18	-0.10	-0.33	-0.17	-0.12	-0.09	-0.20	-0.33	0.25	0.10	-0.08	-0.23	1.00	-0.58	-0.27	0.00	-0.07	-0.25	0.11
V	-0.10	0.12	-0.09	0.04	-0.16	-0.02	-0.05	-0.07	0.14	-0.27	0.00	-0.06	0.24	-0.58	1.00	0.03	0.00	0.04	-0.05	0.35
As	-0.08	-0.12	-0.08	0.56	0.72	0.45	0.25	0.52	0.63	-0.06	0.41	0.15	-0.12	-0.27	0.03	1.00	0.00	0.22	0.60	-0.49
B	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
Be	-0.02	-0.08	0.01	0.48	0.08	0.18	0.18	-0.06	0.16	0.01	0.13	0.20	-0.05	-0.07	0.04	0.22	0.00	1.00	0.22	0.00
Bi	-0.08	-0.11	-0.06	0.49	0.74	0.13	0.04	0.67	0.47	-0.18	0.22	-0.00	-0.13	-0.25	-0.05	0.60	0.00	0.22	1.00	-0.52
Ga	0.00	0.12	-0.01	-0.39	-0.42	-0.17	-0.07	-0.31	-0.31	-0.07	0.04	-0.04	0.24	0.11	0.35	-0.49	0.00	0.00	-0.52	1.00
Te	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
W	-0.08	-0.12	-0.05	0.55	0.53	0.29	0.26	0.48	0.56	0.10	0.45	0.28	-0.05	-0.19	0.00	0.51	0.00	0.51	0.41	-0.31
Ba	-0.05	-0.06	-0.09	0.23	0.31	0.16	0.13	0.12	0.12	0.11	0.25	0.11	-0.23	0.39	-0.40	0.14	0.00	0.02	0.23	-0.22
Ce	-0.03	-0.05	-0.03	-0.02	-0.05	-0.01	-0.02	-0.07	0.04	0.28	0.50	-0.01	-0.06	0.15	-0.03	0.01	0.00	0.22	-0.08	0.22
La	-0.03	-0.05	-0.03	-0.03	-0.05	-0.01	-0.02	-0.06	0.03	0.28	0.51	-0.02	-0.06	0.15	-0.03	0.01	0.00	0.21	-0.08	0.22
Nb	0.03	-0.06	0.10	-0.10	-0.10	-0.01	-0.02	-0.12	0.07	0.53	0.66	-0.02	-0.11	0.29	-0.16	-0.04	0.00	0.19	-0.18	0.18
Rb	-0.03	-0.10	0.11	-0.04	-0.01	0.09	0.07	-0.11	0.02	0.29	0.16	0.06	-0.18	0.45	-0.37	-0.02	0.00	-0.07	-0.12	-0.01
Sb	-0.04	-0.05	-0.01	0.04	0.07	0.11	0.05	0.31	0.06	-0.13	0.23	0.01	0.03	-0.21	0.29	0.27	0.00	0.03	-0.02	0.02
Sc	-0.09	0.08	-0.12	-0.28	-0.30	-0.20	-0.16	-0.13	-0.10	-0.14	-0.34	-0.13	0.36	-0.53	0.66	-0.27	0.00	-0.19	-0.20	0.29
Sn	-0.07	-0.05	-0.04	0.36	0.45	0.59	0.58	0.45	0.41	-0.17	0.53	0.55	-0.06	-0.23	0.22	0.36	0.00	-0.09	0.24	-0.07
Sr	-0.09	0.14	-0.11	-0.29	-0.43	-0.25	-0.18	-0.24	-0.22	-0.13	-0.44	-0.15	0.31	-0.54	0.58	-0.36	0.00	-0.14	-0.27	0.33
Ta	-0.06	-0.08	-0.05	0.23	0.40	-0.01	-0.04	0.47	0.36	0.14	0.35	-0.03	-0.11	-0.08	-0.11	0.28	0.00	0.26	0.35	-0.21
Y	-0.05	0.11	-0.01	-0.02	-0.19	-0.13	-0.11	-0.03	-0.01	-0.10	0.01	-0.09	0.28	-0.57	0.59	-0.13	0.00	0.03	-0.11	0.29
Zr	0.02	-0.07	0.13	0.13	0.01	0.12	0.04	-0.02	0.16	0.45	0.63	0.02	-0.17	0.27	-0.14	0.15	0.00	0.19	0.01	-0.14

Figure 3I

CHICS-CHOCS
DISTRIBUTION STATISTIQUE DE L'OR

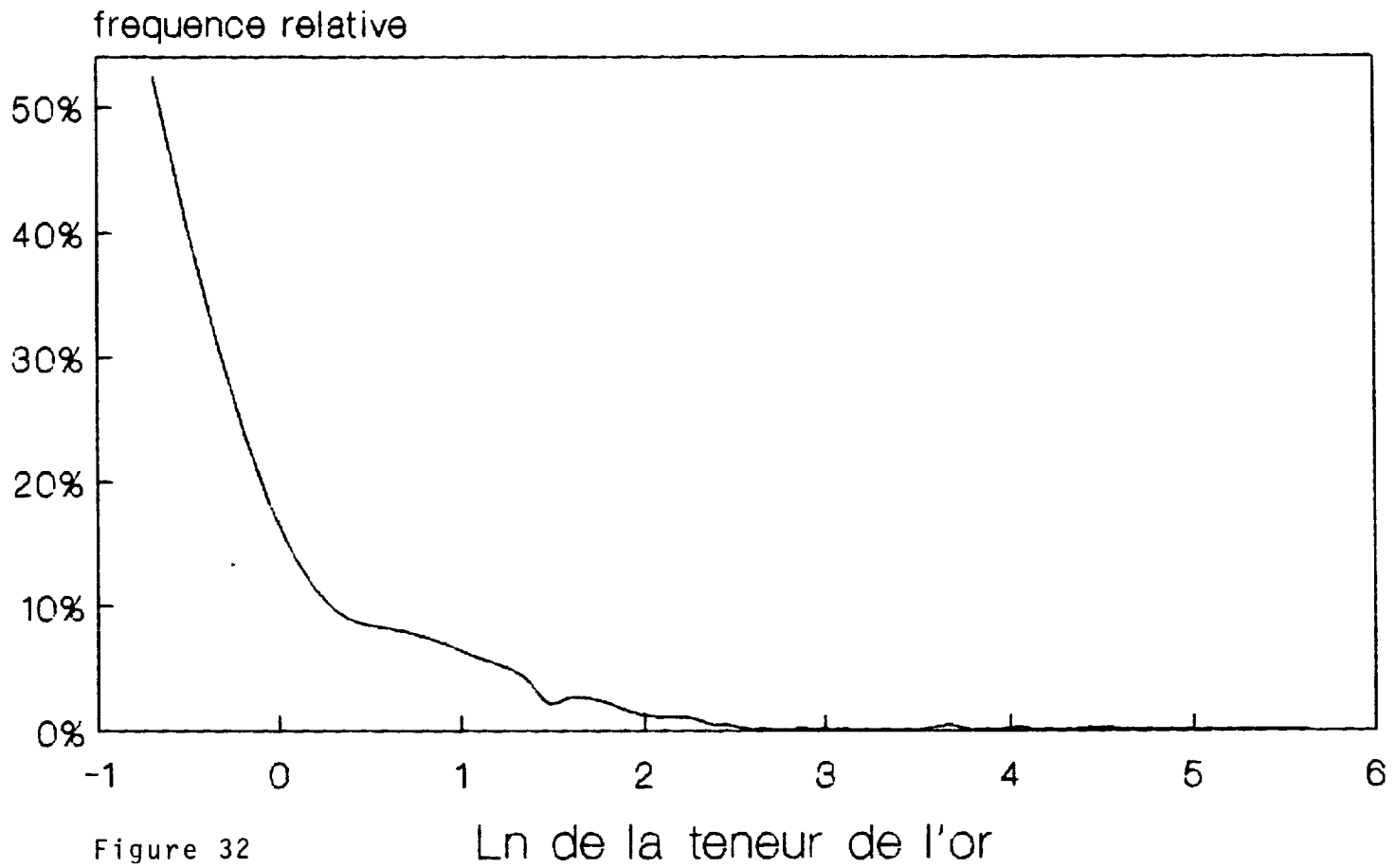

Figure 32

CHICS-CHOCS
DISTRIBUTION STATISTIQUE DE L'OR

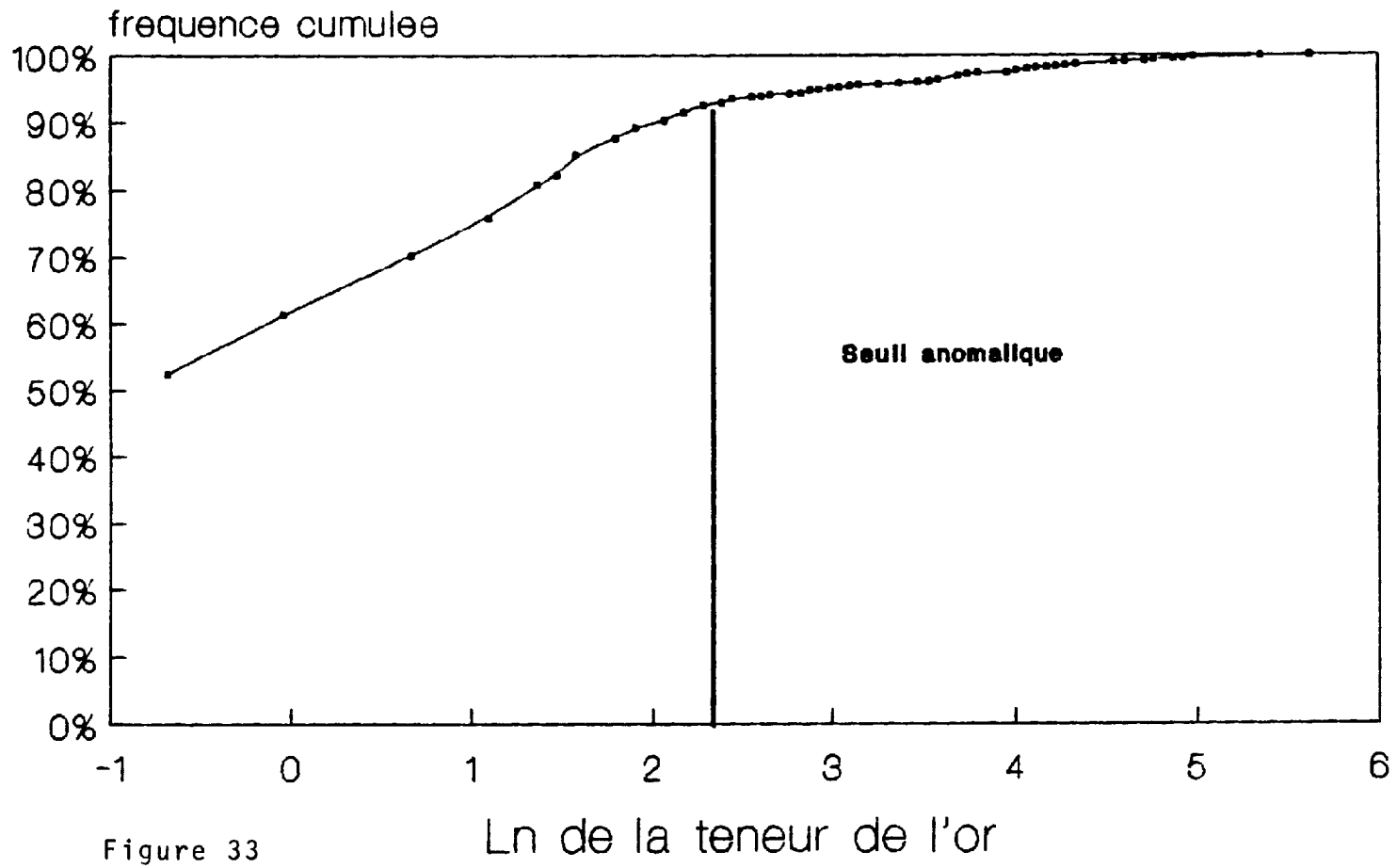

Figure 33

CHICS-CHOCS
DISTRIBUTION STATISTIQUE DU CUIVRE

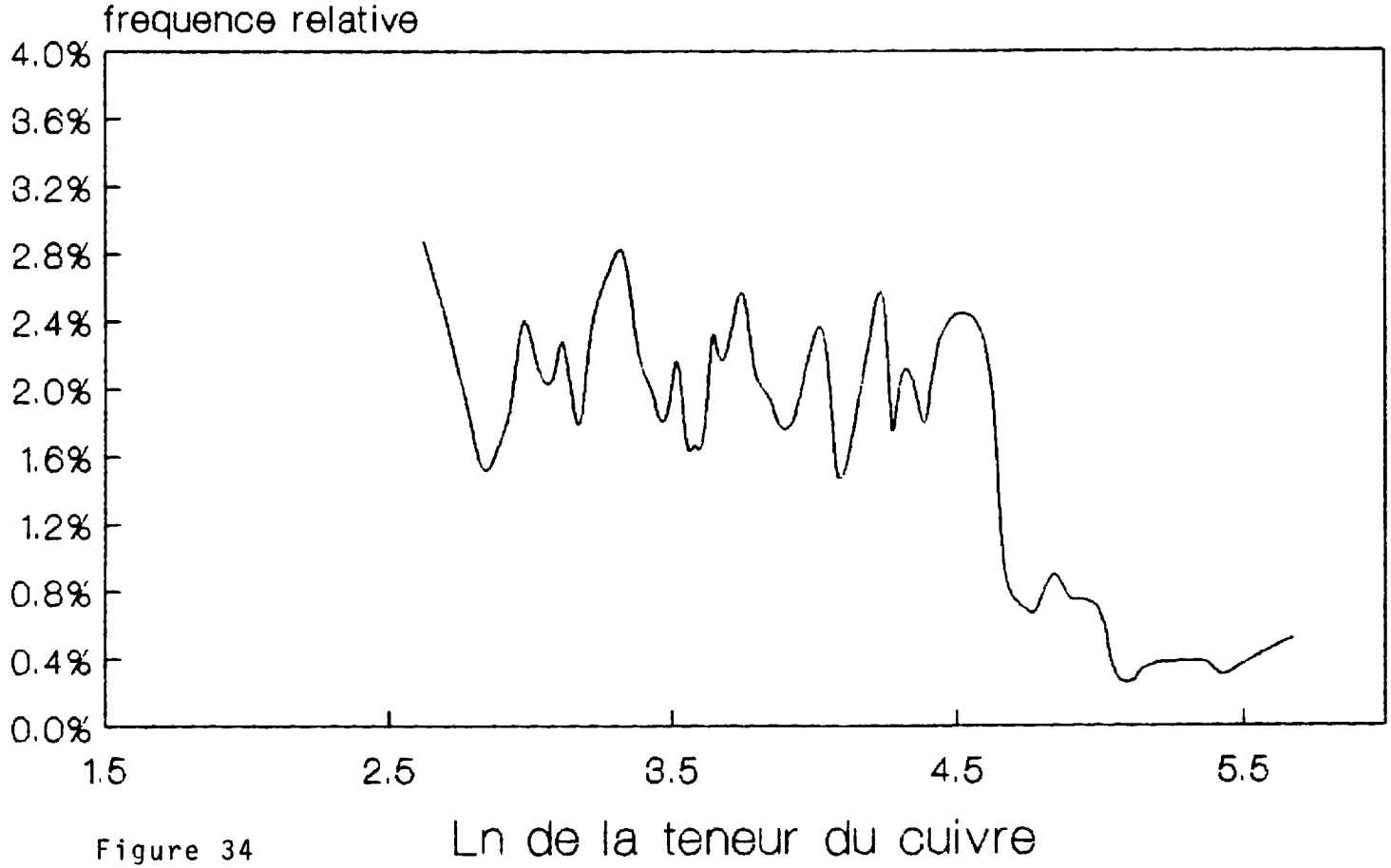

Figure 34

CHICS-CHOCS
DISTRIBUTION STATISTIQUE DU CUIVRE

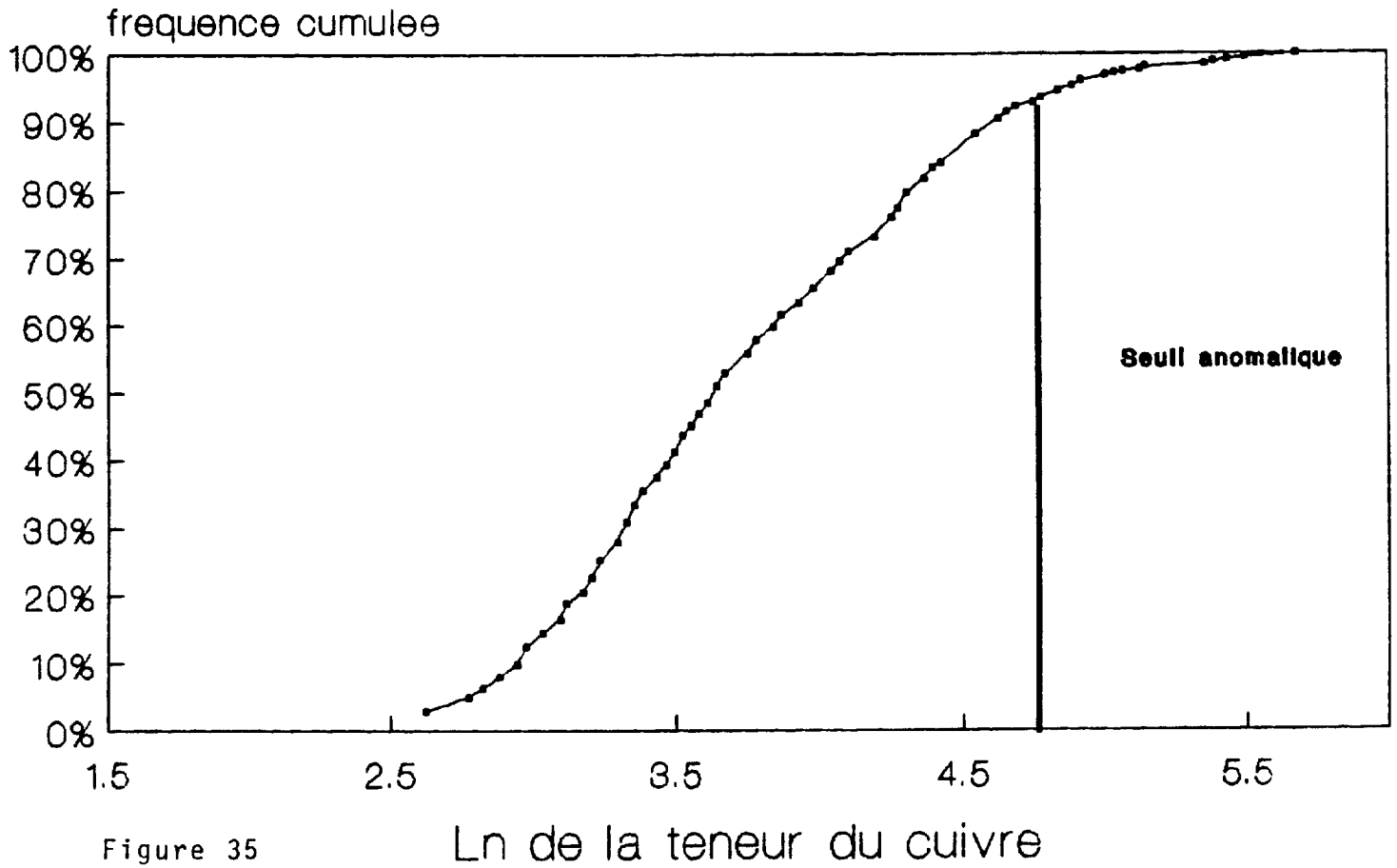

Figure 35

CHICS-CHOCS
DISTRIBUTION STATISTIQUE DU ZINC

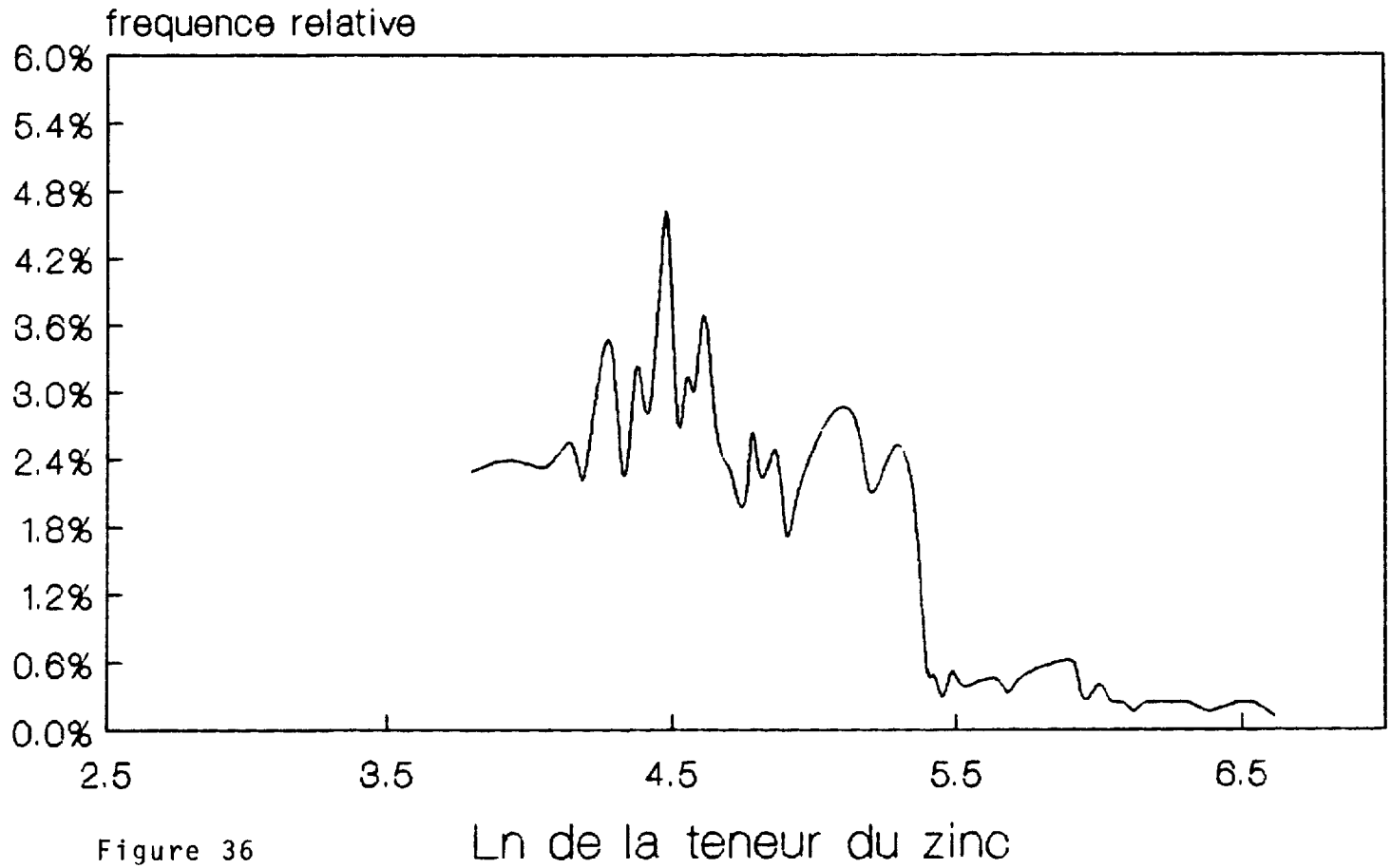

Figure 36

CHICS-CHOCS
DISTRIBUTION STATISTIQUE DU ZINC

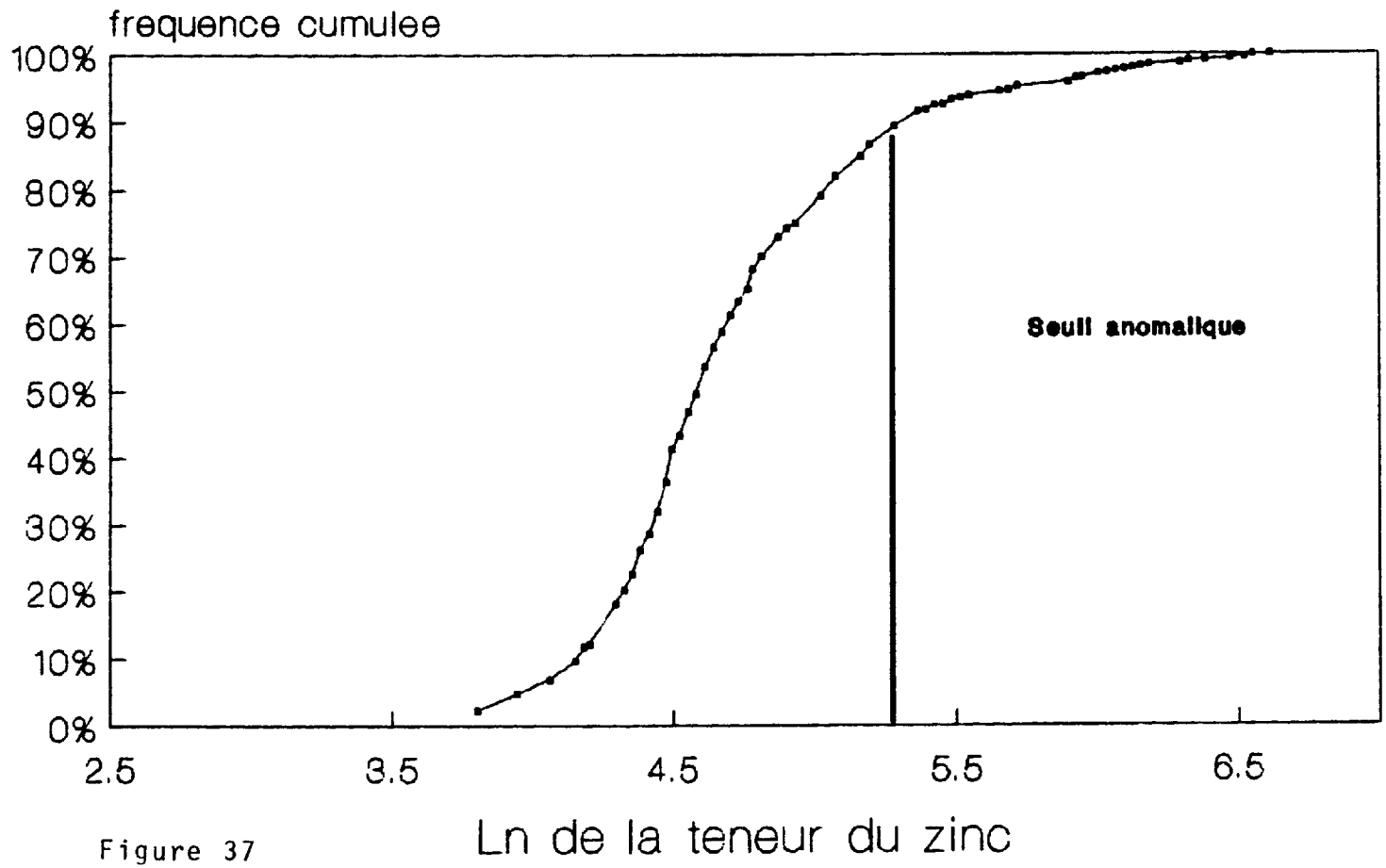

Figure 37

CHICS-CHOCS
DISTRIBUTION STATISTIQUE DU ZIRCONIUM

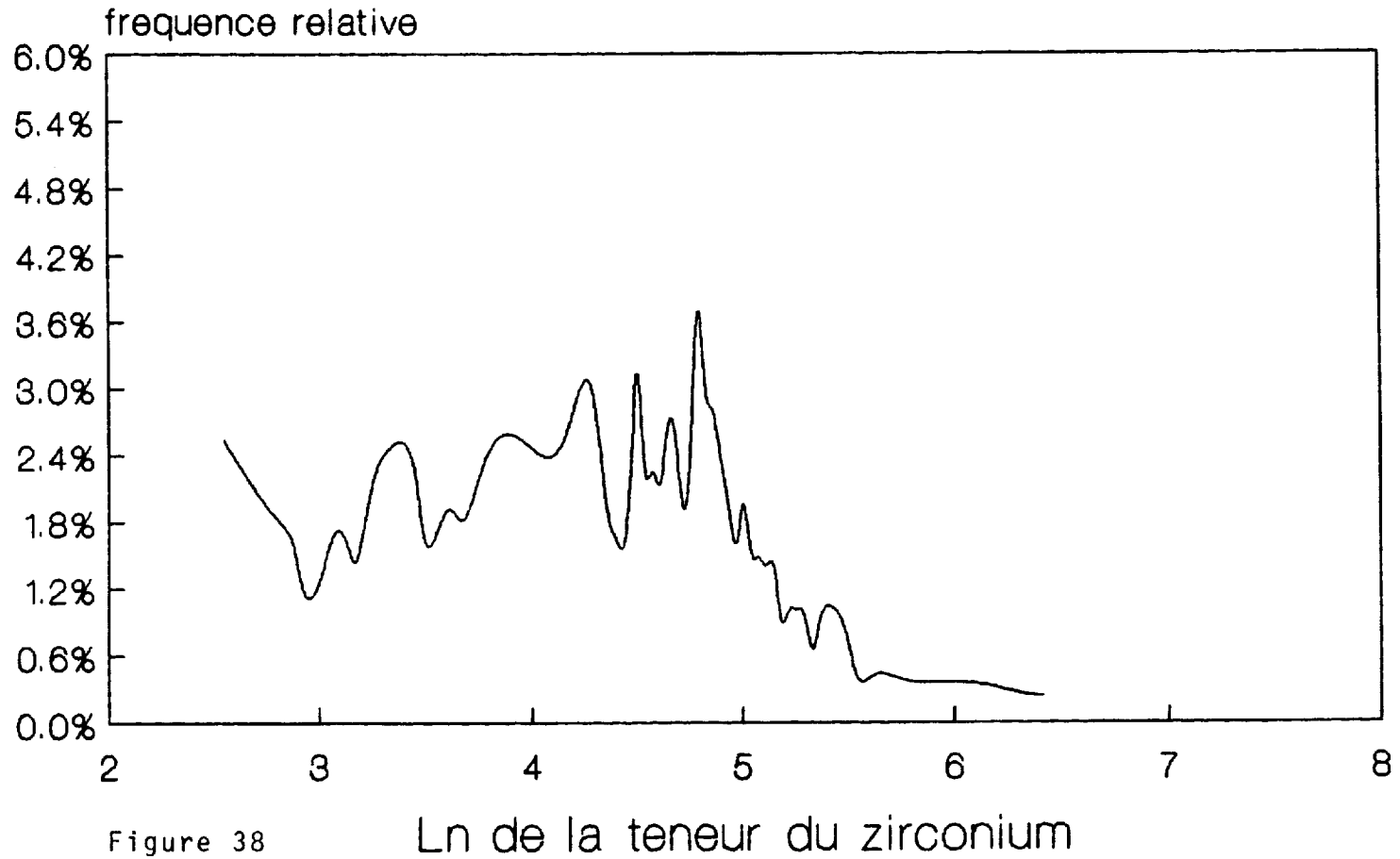

Figure 38

CHICS-CHOCS
DISTRIBUTION STATISTIQUE DU ZIRCONIUM

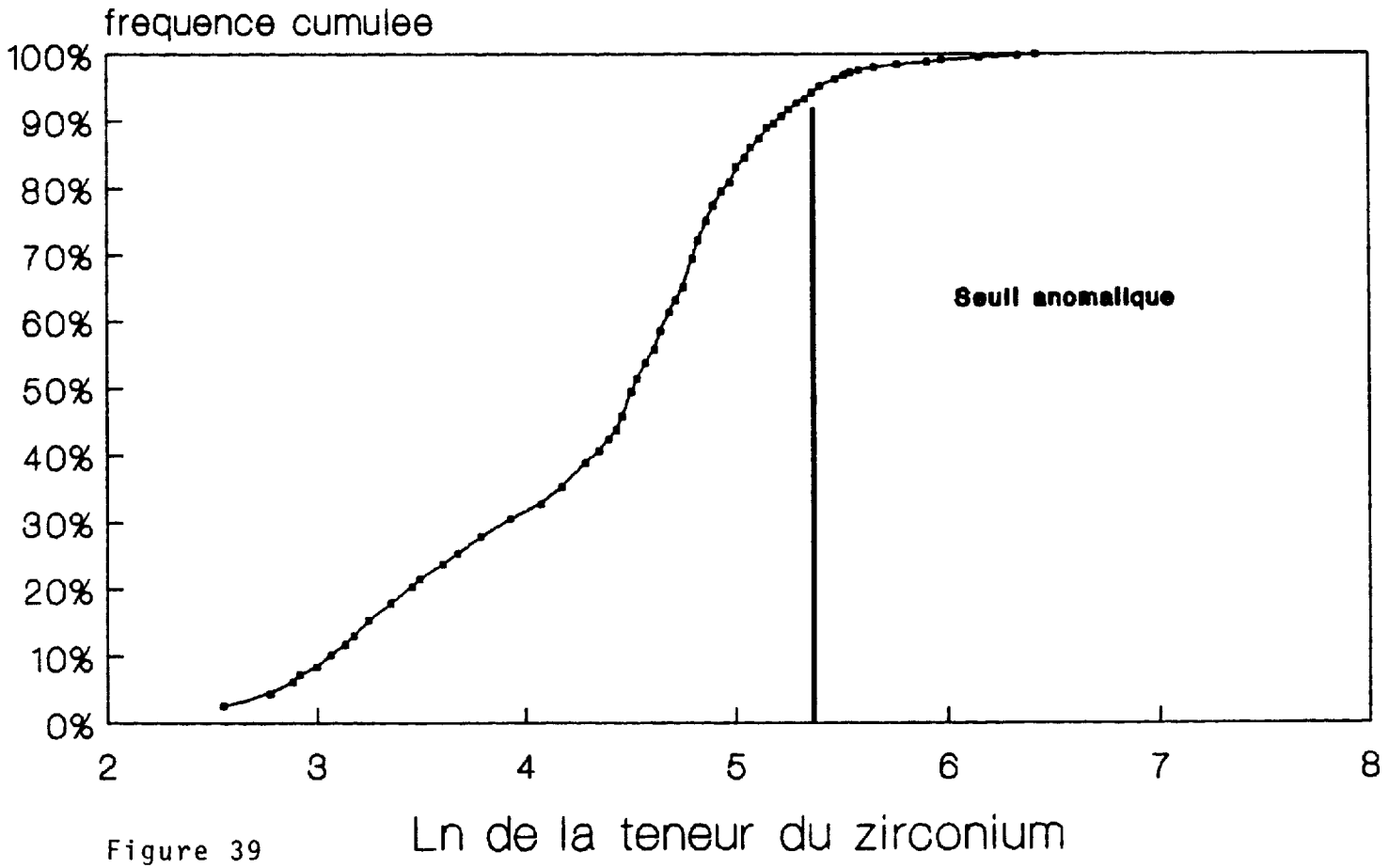

Figure 39

CHICS-CHOCS
DISTRIBUTION STATISTIQUE DE L'ANTIMOINE

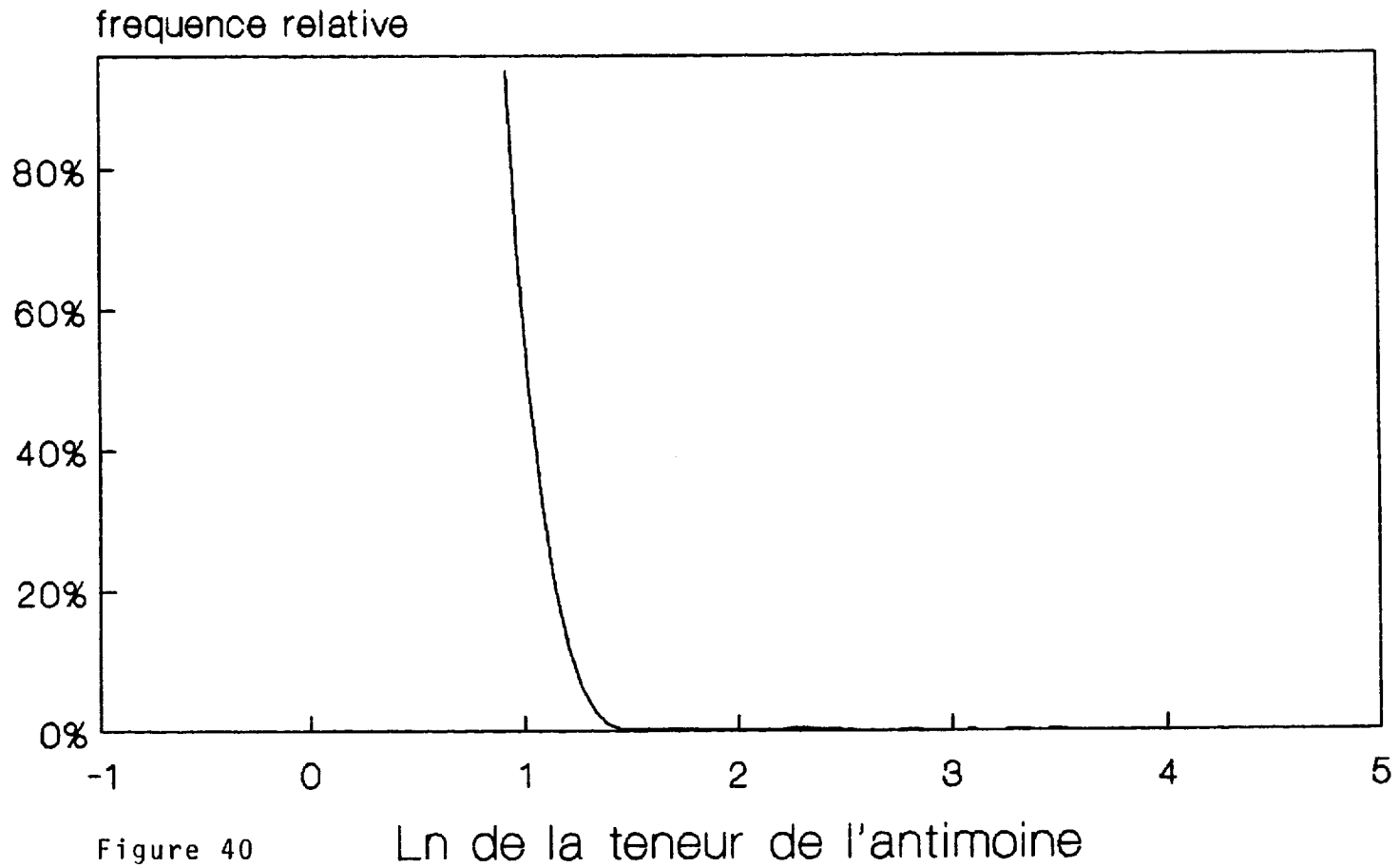

Figure 40

CHICS-CHOCS
DISTRIBUTION STATISTIQUE DE L'ANTIMOINE

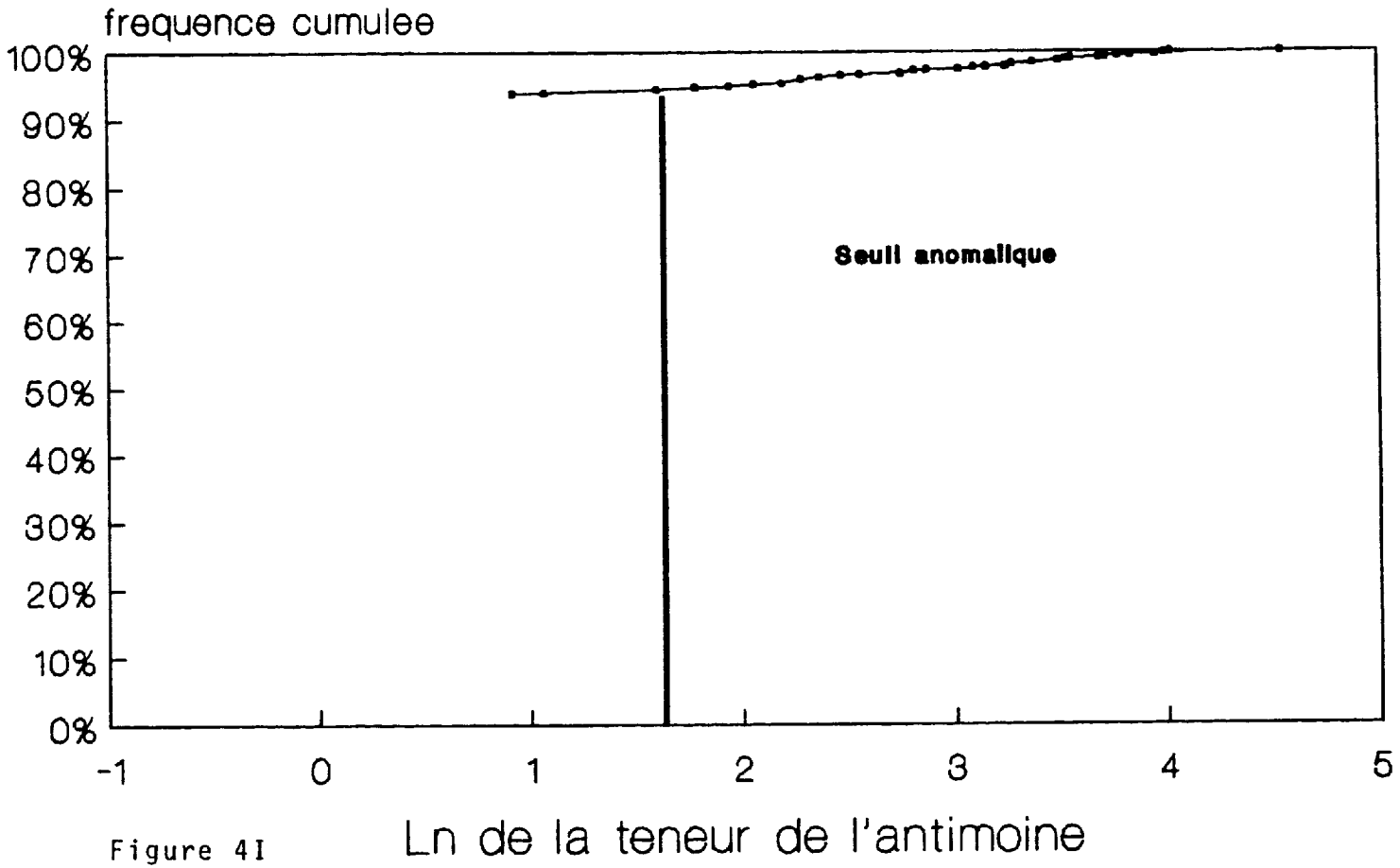

Figure 4I

TABLEAU 8 SEUILS ANOMALIQUES DE LA RÉGION DES CHICS-CHOCS

Au	10.9	ppb
Cu	110.8	ppm
Pb	41.8	ppm
Zn	216.5	ppm
Mo	4.95	ppm
Co	74.4	ppm
As	44.7	ppm
Bi	18.5	ppm
W	9.49	ppm
Nb	26.6	ppm
Rb	139.8	ppm
Sn	35.9	ppm
Zr	219.2	ppm

Pour la minéralisation aurifère, nous avons établi les coefficients de pondération suivants:

Au	10
Nb	5
Rb	5
Zr	5
Total	25

Pour la minéralisation en cuivre, les coefficients de pondération sont les suivants:

Cu	10
Pb	5
Zn	5
Mo	5
Co	4
As	7
Bi	2
W	5
Sn	4
Total	47

V.4 COMPARAISON ENTRE LA RÉGION DE MURDOCHVILLE ET DES CHICS-CHOCS

Cette section a pour but d'effectuer une comparaison des réponses chimiques de certains éléments entre les 2 régions. La moyenne en Au et Cu des deux régions sont fort comparables: 21.4 ppb en Au et 67.1 ppm en Cu pour la région de Murdochville comparativement à 25.5 ppb en Au et 69.9 ppm en Cu pour la région des Chics-Chocs. Cependant, les variations des concentrations en Au sont les plus fortes dans la région des Chics-Chocs, pour le cuivre c'est le contraire. Cela singifie que la probabilité de trouver un gisement de cuivre ou d'or est la même pour les 2 régions mais que les plus fortes anomalies en or se retrouvent dans les Chics-Chocs tandis que celles en cuivre se retrouvent dans la région de Murdochville.

Les différences les plus significatives résident dans les éléments suivants: Pb, Zn, Mo, Co, Ni, Cr, V, W, Nb, Sb, Sc et Zr. Cette série d'éléments est plus enrichie dans la région des Chics-Chocs: Pb, Zn, Co, Ni, Cr, V, Sb et Sc. Les éléments de la série Mo, W, Nb et Zr sont en plus grande concentration dans la région de Murdochville. On peut interpréter ces résultats de la manière suivante:

1 La probabilité de trouver un gisement de Pb-Zn est plus grande dans la région des Chics-Chocs

2 La probabilité de trouver un gisement de type "porphyry copper" est plus élevée dans la région de Murdochville (non obstant la contamination causée par le ruisseau Porphyre)

3 L'enrichissement mafique des Chics-Chocs constaté par les concentrations élevées en Co, Ni, Cr, V et Sc peut-être du à plusieurs facteurs comme la lithologie, la faille régionale des Chics-Chocs, la présence plus abondante de serpentinites altérées, etc.

Cette comparaison basée sur les concentrés de minéraux lourds bien que partielle, donne à notre avis un bon portrait géochimique régional. L'interprétation de ces résultats avec l'addition d'informations nouvelles permettrait de cerner plus précisement le type de minéralisation qui est possible de trouver.

VI CLASSIFICATION DES ANOMALIES

La correspondance entre les anomalies identifiées par analyse de régression et par traitement de pondération est généralement bonne. L'interprétation des anomalies en cuivre et or issues de l'analyse de régression permet de tracer efficacement les sources probables de minéralisations associées à ces substances. Le traitement de pondération des variables de minéralisation en cuivre et or détermine la distribution spatiale de certains types de modèles de minéralisation de Cu et Au. Les anomalies de ce traitement doivent être interprétées avec caution puisque les effets lithologiques et glaciaires ne sont pas modélisés.

Le critère d'un secteur de première priorité a été déterminé comme suit:

- nombreuses anomalies
- source de nombreuses anomalies
- anomalie a proximité d'un mine

Pour une deuxième priorité, les critères suivants ont été identifiés:

- forte anomalie isolée
- anomalie relativement près d'une mine
- noyau d'anomalies dans le secteur

Les autres échantillons anomaliques ne satifaisant pas ces deux critères sont classifiés comme anomalies de troisième priorité.

Pour la région des Chics-Chocs, le tableau 10 montre les secteurs d'intérêt illustrés par ordre d'importance.

Dans la région de Murdochville, les secteurs a prioriser pour une prospection détaillée par ordre d'importance sont illustrés au tableau 9.

TABLEAU 9 SECTEURS ANOMALIQUES DE LA RÉGION DE MURDOCHVILLE

ÉLÉ.	N.T.S	LOCALISATION	PRIORITÉ
Au	22 A/14	secteur ruisseau Yvon et sud et échantillon 354 (7 anomalies en or)	1
Au	22 H/4	secteur des lacs BoisBuisson y compris l'échantillon 858 et 907 (10 anomalies en or)	1
Cu	22 H/4	secteur de l'échantillon 1127	1
Cu	22 A/14	échantillon 277 situé au nord du ruisseau Holland	1
Cu	22 A/14	échantillon 322 situé au nord de Murdochville	1
Au Cu	22 H/4	secteur entre échantillon 1127 et 1201	1
Au	22 A/13	secteur de l'échantillon 879 près de la rivière Madeleine	2
Au	22 H/4	secteur de l'échantillon 705 près de la rivière Madeleine	2
Au	22 H/3	secteur de l'échantillon 574 dans la coulée à Léon	2
Au	22 H/3	secteur de l'échantillon 171 ruisseau des sources	2
Cu	22 A/13	secteur de l'échantillon 1001 près de la rivière Madeleine	2
Cu	22 A/14	secteur du terrain de camping et nord du terrain de golf (échantillon 522)	2
Cu	22 H/4	secteur de l'échantillon 834 (sud du ruisseau Yvon)	2

TABLEAU 9 SECTEURS ANOMALIQUES DE LA RÉGION DE MURDOCHVILLE (suite)

ÉLÉ.	N.T.S	LOCALISATION	PRIORITÉ
Cu	22 H/4	secteur de l'échantillon 1215 près du ruisseau Branche de l'est	2
Cu	22 H/4	secteur de l'échantillon 1147 au nord des lacs Boisbuisson	2
Cu	22 H/4	secteur de l'échantillon 847 près de la rivière Madeleine	2
Cu Au	22 H/4	secteur de l'échantillon 1105	2
Cu W	22 H/4	secteur de l'échantillon 589 crique à Bernard	2
Au	22 A/13	secteur de l'échantillon 423 est du Mont Brown	2
Au	22 A/13	secteur de l'échantillon 603 près de la rivière St-Jean	3
Au	22 H/4	secteur de l'échantillon 1045	3
Cu	22 A/14	secteur de l'échantillon 84 situé au sud du ruisseau Yvon	3
Cu	22 H/13	secteur de l'échantillon 473 près du ruisseau à l'ours	3
Cu	22 A/13	secteur de l'échantillon 855 à l'est de la rivière des Béland	3
Cu	22 A/13	secteur de l'échantillon 28 près de la rivière Bonaventure Ouest	3
Cu	22 H/4	secteur de l'échantillon 105 ruisseau à Alcide	3

TABLEAU 9 SECTEURS ANOMALIQUES DE LA RÉGION DE MURDOCHVILLE (suite)

ÉLÉ.	N.T.S	LOCALISATION	PRIORITÉ
W	22 A/13	secteur du petit lac Madeleine	3
W	22 H/14	échantillon 586 près du barrage Mont-Louis	3
Sb	22 H/4	secteur de l'échantillon 1102 près de la rivière Mont St-Pierre	3
Sb	22 H/4	secteur de l'échantillon 1116 coulée à Castonguay	3
W	22 H/4	secteur de l'échantillon 598 près de la rivière Madeleine Nord	3
W	22 H/4	secteur de l'échantillon 919 près du ruisseau petit bras de la rivière Mercier	3
W	22 H/3	secteur de l'échantillon 838 près du ruisseau du lac Hunter	3

TABLEAU 10 SECTEURS ANOMALIQUES DE LA RÉGION DES CHICS-CHOCS

ÉLÉ.	N.T.S	LOCALISATION	PRIORITÉ
Au	22 B/15	secteur des échantillons 621, 353, 362 près de la rivière du Cap-Chat Est	1
Au	22 B/15	secteur du petit lac du Cap-Chat	1
Au	22 B/16	secteur du ruisseau Brandy	1
Cu	22 B/16	secteur de l'échantillon 615 au nord du ruisseau de l'Indien	1
Cu Sb	22 B/16	secteur des échantillons 174 à 180	1
Cu Sb	22 B/16	secteur des échantillons 69-70 et 74-77	1
Sb	22 B/9	secteur de l'échantillon 168 au sud-ouest du ruisseau Brandy	1
Sb	22 B/16	secteur des échantillons 901 et 902	1
Sb	22 B/16	secteur des échantillons 1144 à 1147 le long du ruisseau Isabelle	1
Au	22 B/15	secteur des échantillons 268 et 270 près du ruisseau Luiset	2
Au	22 B/15	secteur de l'échantillon 616 à l'est du ruisseau Luiset	2
Au	22 B/16	secteur de l'échantillon 1167 près de la rivière Cascapédia	2

TABLEAU 10 SECTEURS ANOMALIQUES DE LA RÉGION DES CHICS-CHOCS (suite)

ÉLÉ.	N.T.S	LOCALISATION	PRIORITÉ
Au	22 B/16	secteur des échantillons 205 et 206 près du ruisseau de l'indien	2
Au	22 B/16	secteur de l'échantillon 858 au nord-est du ruisseau Brandy	2
Au	22 B/6	secteur des échantillons 430 à 432 au sud du ruisseau Bernier	2
Cu	22 B/10	secteurs des échantillons 467, 468 près du lac Matane	2
Cu	22 B/10	secteur de l'échantillon 436 ruisseau Bernier	2
Cu	22 B/16	secteur des échantillons 105 et 111 ruisseau Berry-Nord	2
Cu	22 B/16	secteur de l'échantillon 600 près du ruisseau des Petits lacs	2
Cu	22 G/1	secteur de l'échantillon 1125 près de la rivière à Martre	2
Cu Au	22 B/16	secteur des échantillons 30, 44 près du ruisseau des Petits lacs	2
Au	22 B/10	secteur de l'échantillon 509 près de la rivière à la truite	3
Au	22 B/10	secteur près de la rivière Bonjour (échantillon 466)	3
Au	22 B/10	secteur à la jonction du ruisseau Guerin et la rivière Bonjour (échantillon 847)	3
Au	22 B/16	secteur de l'échantillon 746	3

TABLEAU 10 SECTEURS ANOMALIQUES DE LA RÉGION DES CHICS-CHOCS (suite)

ÉLÉ.	N.T.S	LOCALISATION	PRIORITÉ
Au	22 B/16	secteur de l'échantillon 119 près du petit ruisseau Berry Nord	3
Au	22 B/16	secteur de l'échantillon 98 près de la rivière Cascapédia Ouest	3
Cu	22 G/5	secteur de l'échantillon 1089 près de la rivière Marsoui	3
Cu	22 B/15	secteur de l'échantillon 346 ruisseau Wilson	3
Cu	22 B/16	secteur de l'échantillon 875	3
Cu	22 B/16	secteur de l'échantillon 3 près de la rivière Ste-Anne	3
Cu	22 B/16	secteur de l'échantillon 17 près du ruisseau Hog's Back	3
Cu	22 G/1	secteur de l'échantillon 1142 près de la rivière à Martre	3
Sb	22 B/15	secteur de l'échantillon 727 près du ruisseau Bascon	3
Sb	22 B/15	secteur de l'échantillon 745 à l'est de l'étang Tallard	3
Sb	22 B/16	secteur de l'échantillon 56 ruisseau du bois	3
Sb	22 G/1	secteur de l'échantillon 1051 près de la rivière Marsoui-Est	3
Sb	22 G/1	secteur de l'échantillon 1029 à l'est de la rivière Marsoui	3

VI CLASSIFICATION DES ANOMALIES (suite)

Les anomalies en Sb et W peuvent être l'expression de contacts lithologiques, de structures importantes ou de zones d'altération.

Les autres anomalies n'ont pas été présentées dans les tableaux 9 et 10 car celles-ci peuvent être causées par du transport glaciaire. L'information structurale subséquente pourra modifier l'importance que l'on accorde à celles-ci de même qu,elle pourra modifier le degré d'importance des anomalies que l'on a identifié dans les deux derniers tableaux.

VII ANALYSE DES CORRESPONDANCES

Une analyse des correspondances a été effectuée sur les échantillons du projet Murdochville et Chics-Chocs qui sont anomaliques en or, i.e. Les échantillons au-dessus de leur seuil anomalique respectif.

Le principe de l'analyse des correspondances est basé sur le fait que les données représentent une série de variables géologiques non-observables. Par une pondération particulière basée sur la notion de distance du X^2 (khi^2). L'on peut décomposer la variance globale des données en un nombre fini de variables géologiques mutuellement indépendantes qui doivent être interprétées; ces dernières variables sont appellées facteurs.

Le schéma suivant illustre de façon pratique l'idée de l'analyse des correspondances:

1, 2....32, 33	1, 2, 3, 4
Au, Po...Y, Zr	f1, f2, f3, f4

Les variables f1, f2, f3, f4 sont les facteurs qui sont au départ inconnus. Par interprétation géologique, l'on donne un sens à ces variables nouvelles. Le but de l'analyse des correspondances, dans notre contexte, est de classifier les anomalies en or en une série de modèles de minéralisation différents.

VII.1 RÉGION DE MURDOCHVILLE

Les 4 variables retenues sont issues de l'analyse des correspondances sur les échantillons ou Au est supérieure à 6.0 ppb. Ces 4 facteurs expliquent environ 72% de l'ensemble des données; en d'autres termes, un tableau de 70 échantillons x 33 variables a été remplacé par un tableau de 70 x 4 facteurs.

Les 4 facteurs retenus exhibent les caractéristiques suivantes:

VII.1 RÉGION DE MURDOCHVILLE (suite)

FACTEUR 1	FACTEUR 2
Association Cu, Mo, Pb, W Association Nb, Zr	Association Pb, Ni, Li, Ba Association Au, Nb, Ta, Y, Zr, W
FACTEUR 3	**FACTEUR 4**
Association Nb, Zr Association Au	Association Cr, Bi

Le facteur 1 explicite à notre avis, l'environnement de la minéralisation aurifère: les valeurs anomaliques en or sont enrichies en sulfures mais il n'y a pas de relation directe entre Au et les sulfures. L'association Nb, Zr s'oppose à celle de Cu, Mo, Pb, W: cela signifie donc que le facteur 1 peut représenter une variable qui correspond à la bordure de système "porphyry copper".

Le facteur 2 représente le contexte de la minéralisation aurifère. Celui-ci n'est pas vraiment différent de ce que l'on a interprété à partir de la matrice de corrélation. Ce qui est différent, c'est l'opposition entre 2 sous-groupes (Ba, Pb) et (Ni, Li) versus Au, Nb, Ta, Y, Zr et W. A notre avis, cette opposition est associée préférentiellement a une lithologie felsique comparativement à (Ba, Pb) qui peut représenter les sédiments et (Ni, Li) qui peut représenter les lithologies volcaniques et/ou mafiques. Ainsi, le rapport Zr/Ni est possiblement un bon indicateur de la minéralisation aurifère.

Le facteur 3 indique que l'or est indépendant de Nb, Zr. Cette constatation exprime l'idée que la minéralisation aurifère est structurale et indépendante de son contexte lithologique (roches felsiques).

Le facteur 4 marque fort probablement le contexte d'altération associé à la minéralisation aurifère. L'assemblage, Cr - Bi, quoique non usuel, peut indiquer l'altération en bordure et ces éléments sont enrichis dans la zone altérée. Plus d'information est nécessaire afin de préciser le type d'altération donnant la minéralisation aurifère.

VII.2 RÉGION DES CHICS-CHOCS

Quatre facteurs ont été calculés à partir de l'analyse des correspondances sur les échantillons ou Au est supérieur à 11 ppb. Ces 4 facteurs explicitent environ 68% de l'information originale.

Les 4 facteurs retenus présentent les caractéristiques suivantes:

FACTEUR 1	FACTEUR 2
Association Pd, Au, Cr, Sc, Sr Association Cu, Pb, Zn, Cd, As	Association Ag, Ce, La, Nb, Zr Association Pd, Cr, Cd
FACTEUR 3	**FACTEUR 4**
Au	Association Pd, Cd Association Cu, As, Bi

Comme pour la région de Murdochville, le facteur 1 exhibe, à notre avis, l'environnement de la minéralisation aurifère: les valeurs anomaliques en or sont associées à des enrichissements en sulfures (Pb, Zn, Cd) et (Cu, As). Mais il n'y a pas de corrélation positive entre Au et les sulfures (associations qui s'opposent). A notre avis, l'association Pd, Cr, Sc, Sr et Au traduit bien le contexte des serpentinites altérées le long de zones de failles (a cet effet, Sr est associé à des serpentinites altérées le long de la faille Grand-Pabos). Donc, l'environnement aurifère idéal qui se dessine à partir du facteur 1 est le suivant: dykes felsiques, granites ou serpentinites altérées le long de structures majeures en périphérie de minéralisations de sulfures.

Le facteur 2 traduit l'association Ag, Ce, La, Nb, Zr versus Pd, Cr, Cd. Comme pour la région de Murdochville, le facteur 2 s'interprête de manière analogue. Le contexte de la minéralisation aurifère est structural et associé fort probablement à un système hydrothermal important (stockwerk) dont marque l'association (Ag, Nb, Zr) et (Ce, La). La présence de Ce et La qui sont des terres rares légères est inhabituelle mais traduit probablement l'altération des roches mafiques ou l'apport de fluides hydrothermaux tardifs riches en volatils. Pd, Cr, Cd traduit la lithologie mafique hôte du contexte de la minéralisation. Le rapport Nb/Cr est possiblement un bon indicateur de minéralisation aurifère dans les Chics-Chocs.

VII.2 RÉGION DES CHICS-CHOCS (suite)

Le facteur 3 n'associe que l'or. Ce facteur représente soit un effet de pépite dans les mesures ou un facteur d'enrichissement aurifère. De l'information additionnelle est requise afin de mieux préciser l'effet de cette variable sur les résultats.

Le facteur 4 montre une opposition entre Pd, Cd et Cu, As, Bi. Ce facteur est probablement lié au fait que les minéralisation aurifères et de sulfures originent d'un même évènement ou contexte géologique; la mise en place de minéralisations aurifères et cuprifères sont reliés. Ce facteur traduit fort probablement le contexte d'altération en bordure des minéralisations aurifères et de sulfures. Il est nécessaire d'obtenir de l'information additionnelle pour conclure sur le type d'altération ou le sens définitif du facteur 4.

VII.3 MODELES D'EXPLORATION

Le but de l'analyse des correspondances est de permettre une analyse plus poussée du type et du contexte de la minéralisation aurifère pour la région de Murdochville et des Chics-Chocs.

Pour les 2 régions l'on note les caractéristiques suivantes:

1) L'or est associé à un enrichissement en sulfures, mais il n'y a aucune corrélation positive entre Au et les éléments associés à des sulfures.

2) Le contexte de la minéralisation aurifère est lié à celui de la minéralisation en sulfures. Ceci est expliqué par le fait que les éléments associés aux sulfures sont significatifs dans l'analyse des correspondances.

Pour la région de Murdochville, les unités felsiques sont les lithologies cibles associées à la minéralisation aurifère. Pour la région des Chics-Chocs, les lithologies cibles sont les serpentinites altérées le long de zones de failles et les unités felsiques le long de ces mêmes failles.

De manière générale, la présence de structures importantes associées à des minéralisations en sulfures constituent des cibles d'exploration de première priorité pour l'or mais il est nécessaire de chercher ces minéralisations en périphérie des minéralisations de sulfures. L'expression des minéralisations aurifères est possiblement reliée à un contexte d'altération important.

VIII CONCLUSION

Le traitement statistique des données de sédiments de ruisseaux des régions de Murdochville et des Chics-Chocs, basé sur l'analyse de régression en combinaison avec le traitement de pondération, a permis d'identifier de nombreuses anomalies en Cu et Au. Nous estimons que la méthode et le traitement statistique donnent des résultats satisfaisants dans la mesure ou les principaux indices et mines ressortent clairement.

L'interprétation des paramètres de régression, des matrices de corrélation et de l'analyse des correspondances indiquent que, dans la région de Murdochville, les anomalies en cuivre sont surtout associées à des intrusions porphyriques. Cependant l'association Cu - As permet de penser que d'autres types de minéralisations cuprifères existent. Les anomalies en or semblent associées aux bordures de système porphyrique car les valeurs élevées en or sont enrichies en sulfures. De plus, l'on constate une corrélation négative entre l'or et les sulfures; ce dernier point implique qu'il est peu probable de retrouver un gisement de sulfures enrichi en or et vice-versa. Pour la région des Chics-Chocs, le portrait est plus complexe. Les anomalies en cuivre sont associées à plusieurs types de minéralisation. Les résultats indiquent aussi que l'on peut retrouver des minéralisations de type Pb - Zn. Pour l'or, au moins trois possibilités existent: minéralisation aurifère structurale associée à des serpentinites altérées, minéralisation aurifère structurale associée à des dykes qui recoupent des contacts volcaniques/sédiments à proximité de structures importantes, minéralisation épithermale en bordure de minéralisation de cuivre.

Pour la région de Murdochville, nous retenons pour l'or, 2 secteurs prioritaires: secteur du ruisseau Yvon avec l'échantillon 354 et le secteur des lacs Boisbuisson y compris, les échantillons 907 et 858). Pour le cuivre, 2 cibles importantes sont à prioriser: secteur sud des lacs Boisbuisson (échantillon 1127) et les secteurs à l'est de Murdochville (nord du ruisseau Holland).

Pour la région des Chics-Chocs, nous retenons pour l'or, deux secteurs à prioriser: secteur de la rivière Cap-Chat est (échantillons 621, 353 et 362) et le secteur du ruisseau Brandy. Pour le cuivre, trois secteurs sont à prioriser: secteur de l'échantillon 615 au nord du ruisseau de l'Indien, secteur des échantillons 174 à 180 et le secteur des échantillons 69-70 ainsi que 74 à 77.

VIII CONCLUSION (suite)

Finalement, l'importance des anomalies restent à être pondérées en fonction de l'information supplémentaire: linéaments RADAR et LANDSAT-TM ainsi que par de l'échantillonnage additionnel.

L'analyse des correspondances sur les valeurs anomaliques en or des régions de Murdochville et des Chics-Chocs a permis de dégager plusieurs caractéristiques de la minéralisation aurifère. En particulier, l'indice Zr/Ni pour la région de Murdochville et l'indice Nb/Cr pour la région des Chics-Chocs devraient être vérifiés et ceux-ci peuvent définir des halos chimiques autour de minéralisations aurifères importantes.

IX RECOMMANDATIONS

1 Effectuer de l'échantillonnage de détail dans et aux alentours des bassins les plus anomaliques.

2 Effectuer de l'échantillonnage lithogéochimique le long des structures importantes qui recoupent les bassins les plus anomaliques.

3 Intégrer l'ensemble des résultats géochimiques ainsi que l'information structurale et produire des cartes prévisionnelles de minéralisations aurifères et cuprifères.

4 Les secteurs des lacs Boisbuisson, les secteurs à l'est de Murdochville ainsi que le secteur du ruisseau Yvon méritent une nette attention.

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pp 259-278.

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-1		5.0	0.5	2.0	36.9	47.0	14.0	64.0	2.5
27.0	100.0	1.0	0.5	2189.0	15.0	175.0	25.0	1.0	7.9
2.5	22.0	10.0	10.0	5.0	145.0	49.0	23.0	32.0	123.0
2.5	17.0	15.0	106.0	5.0	32.0	285.0			
47101-2		5.0	0.5	0.5	57.0	49.0	12.0	75.0	2.5
26.0	49.0	1.0	0.5	98.0	54.0	147.0	25.0	1.0	8.1
2.5	29.0	10.0	10.0	5.0	321.0	65.0	35.0	17.0	165.0
2.5	12.0	15.0	105.0	5.0	20.0	95.0			
47101-3		5.0	0.5	4.0	56.3	114.0	62.0	137.0	2.5
55.0	69.0	0.9	1.0	424.0	27.0	125.0	56.0	1.0	11.6
2.5	24.0	10.0	10.0	5.0	341.0	62.0	30.0	15.0	133.0
2.5	10.0	15.0	87.0	5.0	23.0	94.0			
47101-4		5.0	0.5	0.5	29.0	54.0	14.0	78.0	2.5
34.0	55.0	0.9	0.5	141.0	56.0	167.0	25.0	1.0	8.3
2.5	30.0	10.0	10.0	5.0	303.0	80.0	44.0	18.0	158.0
2.5	15.0	15.0	112.0	5.0	23.0	93.0			
47101-5		5.0	0.5	3.0	37.6	29.0	14.0	80.0	2.5
15.0	31.0	0.5	0.5	124.0	35.0	78.0	25.0	1.0	5.1
2.5	23.0	10.0	10.0	5.0	477.0	57.0	34.0	15.0	143.0
2.5	6.0	15.0	62.0	5.0	17.0	111.0			
47101-6		5.0	0.5	0.5	34.2	41.0	23.0	38.0	2.5
83.0	54.0	1.2	2.0	96.0	22.0	79.0	25.0	1.0	10.4
2.5	25.0	10.0	10.0	5.0	119.0	113.0	58.0	24.0	110.0
2.5	7.0	15.0	66.0	5.0	25.0	113.0			
47101-7		5.0	0.5	0.5	50.7	33.0	15.0	41.0	2.5
36.0	30.0	1.2	0.5	73.0	24.0	65.0	25.0	1.0	7.7
2.5	24.0	10.0	10.0	5.0	120.0	96.0	49.0	23.0	66.0
2.5	7.0	15.0	57.0	5.0	21.0	110.0			
47101-8		5.0	0.5	1.0	65.1	21.0	12.0	54.0	2.5
18.0	29.0	0.6	0.5	75.0	22.0	73.0	25.0	1.0	6.1
2.5	23.0	10.0	10.0	5.0	267.0	76.0	38.0	19.0	162.0
2.5	6.0	15.0	58.0	5.0	20.0	142.0			
47101-9		5.0	0.5	1.0	34.7	16.0	17.0	64.0	2.5
10.0	28.0	0.3	0.5	125.0	20.0	55.0	25.0	1.0	4.5
2.5	18.0	10.0	10.0	5.0	345.0	53.0	26.0	18.0	100.0
2.5	5.0	15.0	64.0	5.0	19.0	164.0			
47101-10		5.0	0.5	0.5	49.4	20.0	41.0	212.0	2.5
16.0	58.0	0.3	0.5	116.0	15.0	67.0	25.0	1.0	2.0
2.5	13.0	10.0	10.0	5.0	203.0	40.0	18.0	13.0	91.0
2.5	8.0	15.0	58.0	5.0	14.0	106.0			
47101-11		5.0	0.5	0.5	45.7	12.0	14.0	57.0	2.5
8.0	19.0	0.3	0.5	120.0	15.0	41.0	25.0	1.0	2.0
2.5	15.0	10.0	10.0	5.0	301.0	60.0	28.0	17.0	166.0
2.5	5.0	15.0	51.0	5.0	22.0	155.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-12		5.0	0.5	2.0	33.5	20.0	20.0	62.0	2.5
8.0	13.0	0.3	0.5	70.0	22.0	51.0	25.0	1.0	4.8
2.5	20.0	10.0	10.0	5.0	364.0	56.0	28.0	21.0	165.0
2.5	5.0	15.0	48.0	5.0	23.0	182.0			
47101-13		5.0	0.5	0.5	39.9	10.0	12.0	42.0	2.5
5.0	10.0	0.3	0.5	105.0	12.0	25.0	25.0	1.0	2.0
2.5	11.0	10.0	10.0	5.0	219.0	46.0	24.0	14.0	134.0
2.5	3.0	15.0	26.0	5.0	18.0	146.0			
47101-14		5.0	0.5	0.5	31.0	29.0	38.0	267.0	2.5
13.0	41.0	0.3	0.5	228.0	15.0	67.0	25.0	1.0	4.7
2.5	13.0	10.0	10.0	5.0	246.0	48.0	25.0	12.0	176.0
2.5	6.0	15.0	53.0	5.0	18.0	136.0			
47101-15		5.0	0.5	0.5	44.2	26.0	32.0	129.0	2.5
20.0	74.0	0.3	0.5	213.0	11.0	83.0	25.0	1.0	6.1
2.5	17.0	10.0	10.0	5.0	227.0	44.0	22.0	12.0	107.0
2.5	8.0	15.0	55.0	5.0	17.0	114.0			
47101-16		5.0	0.5	2.0	44.2	65.0	89.0	454.0	2.5
18.0	34.0	0.3	0.5	134.0	12.0	62.0	25.0	1.0	8.2
2.5	17.0	10.0	10.0	5.0	382.0	51.0	24.0	15.0	153.0
2.5	6.0	15.0	47.0	5.0	19.0	132.0			
47101-17		5.0	0.5	3.0	35.3	224.0	386.0	1700.0	2.5
28.0	56.0	0.6	5.0	212.0	15.0	82.0	110.0	1.0	11.4
2.5	17.0	10.0	10.0	5.0	468.0	47.0	22.0	16.0	196.0
6.0	6.0	15.0	69.0	5.0	20.0	131.0			
47101-18		5.0	0.5	0.5	34.7	36.0	29.0	159.0	2.5
18.0	44.0	0.3	1.0	153.0	22.0	66.0	25.0	1.0	2.0
2.5	12.0	10.0	10.0	5.0	221.0	42.0	22.0	11.0	25.0
8.0	6.0	15.0	31.0	5.0	13.0	105.0			
47101-19		5.0	0.5	0.5	48.0	11.0	14.0	44.0	2.5
11.0	31.0	0.3	0.5	372.0	9.0	47.0	25.0	1.0	2.0
2.5	8.0	10.0	10.0	5.0	109.0	38.0	16.0	8.0	87.0
2.5	5.0	15.0	26.0	5.0	12.0	165.0			
47101-20		5.0	0.5	0.5	38.9	31.0	19.0	123.0	2.5
14.0	35.0	0.5	0.5	244.0	20.0	57.0	25.0	1.0	2.0
2.5	12.0	10.0	10.0	5.0	184.0	41.0	20.0	12.0	78.0
2.5	5.0	15.0	33.0	5.0	14.0	131.0			
47101-21		5.0	0.5	0.5	38.5	31.0	30.0	121.0	5.0
15.0	35.0	0.3	0.5	172.0	20.0	57.0	25.0	1.0	2.0
2.5	11.0	10.0	10.0	5.0	188.0	44.0	21.0	11.0	89.0
13.0	7.0	15.0	32.0	5.0	16.0	106.0			
47101-22		5.0	0.5	0.5	37.7	29.0	23.0	133.0	2.5
15.0	39.0	0.5	1.0	148.0	20.0	60.0	25.0	1.0	2.0
2.5	12.0	10.0	10.0	5.0	207.0	45.0	21.0	10.0	71.0
2.5	7.0	15.0	31.0	5.0	16.0	107.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-23		5.0	0.5	0.5	41.1	33.0	23.0	143.0	2.5
17.0	41.0	0.5	0.5	199.0	21.0	61.0	25.0	1.0	2.0
2.5	12.0	10.0	10.0	5.0	208.0	47.0	23.0	10.0	104.0
2.5	7.0	15.0	34.0	5.0	16.0	101.0			
47101-24		5.0	0.5	0.5	28.7	22.0	12.0	34.0	2.5
7.0	16.0	0.3	0.5	228.0	18.0	34.0	25.0	1.0	2.0
2.5	13.0	10.0	10.0	5.0	203.0	53.0	29.0	22.0	125.0
2.5	4.0	15.0	32.0	5.0	21.0	130.0			
47101-25		5.0	0.5	2.0	33.1	13.0	10.0	78.0	2.5
17.0	31.0	0.8	0.5	3526.0	15.0	79.0	25.0	1.0	5.6
6.0	18.0	10.0	10.0	5.0	175.0	44.0	23.0	29.0	97.0
2.5	7.0	15.0	43.0	5.0	27.0	229.0			
47101-26		5.0	0.5	0.5	48.3	27.0	16.0	83.0	2.5
22.0	66.0	0.3	0.5	223.0	29.0	83.0	25.0	1.0	7.0
2.5	16.0	10.0	10.0	5.0	249.0	54.0	24.0	13.0	110.0
2.5	7.0	15.0	53.0	5.0	20.0	147.0			
47101-29		5.0	0.5	3.0	49.7	159.0	43.0	187.0	6.0
37.0	25.0	0.7	0.5	85.0	25.0	56.0	25.0	1.0	9.2
2.5	22.0	10.0	10.0	5.0	312.0	65.0	34.0	22.0	130.0
2.5	5.0	15.0	56.0	5.0	27.0	118.0			
47101-30		5.0	0.5	218.0	42.8	109.0	33.0	191.0	2.5
18.0	25.0	0.6	0.5	87.0	23.0	60.0	25.0	1.0	6.6
2.5	22.0	10.0	10.0	5.0	349.0	71.0	41.0	21.0	143.0
2.5	6.0	15.0	57.0	5.0	26.0	117.0			
47101-31		5.0	0.5	2.0	46.5	76.0	27.0	60.0	2.5
54.0	37.0	0.3	0.5	111.0	16.0	79.0	25.0	1.0	13.5
2.5	27.0	10.0	10.0	5.0	99.0	91.0	38.0	12.0	93.0
2.5	9.0	15.0	117.0	12.0	28.0	117.0			
47101-32		5.0	0.5	2.0	39.2	68.0	21.0	96.0	6.0
49.0	32.0	0.9	1.0	76.0	26.0	70.0	25.0	1.0	11.3
2.5	26.0	10.0	10.0	5.0	227.0	73.0	39.0	23.0	137.0
2.5	7.0	15.0	80.0	5.0	24.0	127.0			
47101-34		5.0	0.5	1.0	44.1	34.0	16.0	80.0	7.0
52.0	39.0	0.9	0.5	62.0	27.0	61.0	25.0	1.0	13.6
2.5	26.0	10.0	10.0	5.0	66.0	94.0	46.0	20.0	56.0
2.5	7.0	15.0	77.0	5.0	31.0	121.0			
47101-35		5.0	0.5	0.5	26.8	39.0	24.0	71.0	2.5
34.0	54.0	0.8	0.5	104.0	22.0	85.0	25.0	1.0	14.0
2.5	23.0	10.0	10.0	5.0	310.0	83.0	41.0	22.0	127.0
2.5	9.0	15.0	77.0	5.0	21.0	132.0			
47101-36		5.0	0.5	1.0	45.4	55.0	20.0	102.0	2.5
24.0	41.0	0.7	0.5	72.0	23.0	74.0	25.0	1.0	8.1
2.5	23.0	10.0	10.0	5.0	420.0	63.0	31.0	19.0	96.0
2.5	8.0	15.0	79.0	5.0	21.0	128.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-37		5.0	0.5	10.0	42.6	290.0	54.0	232.0	2.5
74.0	68.0	1.1	2.0	89.0	25.0	92.0	145.0	1.0	12.7
2.5	22.0	10.0	10.0	5.0	293.0	76.0	39.0	17.0	162.0
2.5	8.0	15.0	72.0	5.0	22.0	122.0			
47101-38		5.0	0.5	0.5	34.6	22.0	29.0	48.0	2.5
34.0	28.0	0.8	0.5	76.0	29.0	65.0	25.0	1.0	8.6
2.5	24.0	10.0	10.0	5.0	79.0	91.0	52.0	20.0	55.0
2.5	8.0	15.0	94.0	5.0	27.0	124.0			
47101-39		5.0	0.5	2.0	42.6	13.0	19.0	38.0	6.0
26.0	24.0	0.7	0.5	63.0	21.0	60.0	25.0	1.0	12.1
2.5	26.0	10.0	10.0	5.0	68.0	137.0	72.0	30.0	137.0
2.5	7.0	35.0	97.0	5.0	27.0	117.0			
47101-40		5.0	0.5	4.0	49.7	9.0	20.0	45.0	2.5
18.0	22.0	0.3	0.5	103.0	7.0	69.0	25.0	1.0	10.6
2.5	91.0	10.0	10.0	5.0	24.0	167.0	13.0	0.5	25.0
2.5	10.0	15.0	53.0	5.0	26.0	101.0			
47101-41		5.0	0.5	0.5	25.4	16.0	39.0	205.0	2.5
16.0	38.0	0.3	0.5	288.0	16.0	97.0	25.0	1.0	5.7
2.5	14.0	10.0	10.0	5.0	196.0	53.0	25.0	14.0	139.0
2.5	9.0	15.0	76.0	5.0	18.0	215.0			
47101-42		5.0	0.5	0.5	27.8	8.0	12.0	183.0	2.5
10.0	28.0	0.3	0.5	101.0	22.0	63.0	25.0	1.0	2.0
2.5	13.0	10.0	10.0	5.0	199.0	38.0	19.0	10.0	108.0
2.5	6.0	15.0	61.0	5.0	14.0	170.0			
47101-43		5.0	0.5	0.5	38.1	25.0	15.0	181.0	2.5
21.0	39.0	0.7	0.5	344.0	20.0	133.0	25.0	1.0	6.5
2.5	17.0	10.0	10.0	5.0	230.0	32.0	15.0	16.0	82.0
2.5	11.0	15.0	59.0	13.0	20.0	270.0			
47101-44		5.0	0.5	2.0	27.7	175.0	50.0	151.0	2.5
32.0	42.0	0.6	0.5	72.0	25.0	132.0	25.0	1.0	8.0
6.0	21.0	10.0	10.0	5.0	391.0	62.0	36.0	23.0	115.0
2.5	9.0	15.0	62.0	5.0	26.0	162.0			
47101-45		5.0	0.5	2.0	35.2	20.0	15.0	66.0	2.5
19.0	29.0	0.7	0.5	70.0	28.0	201.0	25.0	1.0	9.7
2.5	21.0	10.0	10.0	5.0	282.0	55.0	28.0	32.0	129.0
2.5	10.0	15.0	74.0	5.0	29.0	207.0			
47101-46		5.0	0.5	0.5	45.6	47.0	33.0	129.0	10.0
30.0	71.0	0.3	0.5	173.0	27.0	391.0	25.0	1.0	13.3
24.0	16.0	10.0	10.0	5.0	249.0	56.0	27.0	34.0	135.0
2.5	13.0	15.0	50.0	5.0	31.0	497.0			
47101-47		5.0	0.5	0.5	45.7	29.0	45.0	227.0	2.5
28.0	38.0	0.6	2.0	68.0	45.0	148.0	25.0	1.0	9.1
2.5	23.0	10.0	10.0	5.0	335.0	69.0	32.0	27.0	130.0
2.5	9.0	15.0	76.0	5.0	33.0	228.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-48		5.0	0.5	0.5	36.7	61.0	12.0	106.0	2.5
40.0	72.0	0.3	0.5	106.0	27.0	282.0	25.0	1.0	10.1
7.0	23.0	10.0	10.0	5.0	292.0	43.0	21.0	17.0	51.0
2.5	16.0	15.0	105.0	5.0	24.0	207.0			
47101-49		5.0	0.5	0.5	23.3	57.0	29.0	183.0	2.5
28.0	44.0	0.5	0.5	91.0	48.0	171.0	25.0	1.0	10.1
7.0	25.0	10.0	10.0	5.0	237.0	65.0	32.0	28.0	124.0
2.5	10.0	15.0	61.0	5.0	34.0	253.0			
47101-50		5.0	0.5	0.5	45.1	15.0	5.0	45.0	2.5
14.0	39.0	0.3	0.5	94.0	30.0	77.0	25.0	1.0	5.3
2.5	19.0	10.0	10.0	5.0	268.0	45.0	24.0	21.0	121.0
2.5	6.0	15.0	43.0	5.0	21.0	155.0			
47101-51		5.0	0.5	0.5	47.9	42.0	14.0	70.0	2.5
31.0	50.0	0.6	0.5	245.0	27.0	124.0	25.0	1.0	6.9
2.5	22.0	10.0	10.0	5.0	293.0	54.0	36.0	17.0	66.0
2.5	9.0	15.0	79.0	5.0	21.0	127.0			
47101-52		5.0	0.5	0.5	46.4	28.0	12.0	67.0	2.5
21.0	44.0	0.6	0.5	114.0	28.0	105.0	25.0	1.0	5.3
2.5	22.0	10.0	10.0	5.0	298.0	37.0	21.0	16.0	139.0
2.5	8.0	15.0	71.0	5.0	16.0	130.0			
47101-53		5.0	0.5	0.5	52.3	40.0	13.0	63.0	2.5
23.0	48.0	0.7	0.5	102.0	24.0	114.0	25.0	1.0	6.2
2.5	23.0	10.0	10.0	5.0	309.0	52.0	27.0	16.0	189.0
2.5	11.0	15.0	86.0	5.0	20.0	132.0			
47101-54		5.0	0.5	0.5	38.4	24.0	13.0	47.0	2.5
13.0	26.0	0.6	0.5	88.0	20.0	66.0	25.0	1.0	5.9
2.5	22.0	10.0	10.0	5.0	221.0	73.0	37.0	25.0	129.0
2.5	7.0	15.0	81.0	5.0	21.0	145.0			
47101-55		5.0	0.5	0.5	55.6	31.0	21.0	44.0	2.5
38.0	30.0	0.8	0.5	63.0	22.0	53.0	25.0	1.0	10.6
2.5	25.0	10.0	10.0	10.0	141.0	81.0	42.0	28.0	122.0
2.5	6.0	15.0	68.0	5.0	24.0	136.0			
47101-56		5.0	0.5	0.5	56.3	23.0	17.0	49.0	2.5
21.0	22.0	0.3	0.5	60.0	28.0	54.0	25.0	1.0	6.5
2.5	23.0	10.0	10.0	5.0	186.0	76.0	38.0	24.0	76.0
5.0	6.0	15.0	70.0	5.0	24.0	133.0			
47101-57		5.0	0.5	0.5	46.0	20.0	16.0	53.0	2.5
15.0	16.0	0.5	0.5	62.0	28.0	48.0	25.0	1.0	7.2
2.5	23.0	10.0	10.0	5.0	160.0	77.0	40.0	28.0	108.0
2.5	6.0	15.0	79.0	5.0	23.0	143.0			
47101-58		5.0	0.5	0.5	45.2	20.0	23.0	50.0	8.0
16.0	17.0	0.5	0.5	62.0	26.0	49.0	52.0	1.0	9.3
2.5	23.0	10.0	10.0	17.0	123.0	76.0	39.0	26.0	25.0
16.0	6.0	35.0	69.0	5.0	21.0	132.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-59		5.0	0.5	0.5	20.9	44.0	5.0	136.0	2.5
26.0	44.0	0.3	0.5	159.0	39.0	235.0	25.0	1.0	2.0
9.0	19.0	10.0	10.0	5.0	296.0	37.0	23.0	17.0	89.0
2.5	14.0	15.0	132.0	5.0	21.0	195.0			
47101-60		5.0	0.5	0.5	20.8	59.0	5.0	198.0	5.0
31.0	53.0	0.3	1.0	176.0	36.0	297.0	25.0	1.0	2.0
19.0	18.0	10.0	10.0	5.0	331.0	34.0	23.0	14.0	82.0
2.5	19.0	15.0	138.0	5.0	25.0	204.0			
47101-61		5.0	0.5	0.5	21.6	50.0	11.0	163.0	2.5
28.0	48.0	0.3	0.5	165.0	38.0	265.0	25.0	1.0	2.0
15.0	19.0	10.0	10.0	5.0	289.0	38.0	22.0	16.0	212.0
2.5	15.0	15.0	136.0	5.0	22.0	182.0			
47101-62		5.0	0.5	0.5	23.1	63.0	5.0	168.0	2.5
31.0	56.0	0.3	0.5	145.0	25.0	363.0	25.0	1.0	2.0
25.0	18.0	10.0	10.0	5.0	288.0	34.0	22.0	11.0	93.0
2.5	18.0	30.0	142.0	5.0	22.0	185.0			
47101-63		5.0	0.5	0.5	22.9	43.0	5.0	157.0	2.5
22.0	44.0	0.3	0.5	319.0	32.0	313.0	25.0	1.0	2.0
17.0	16.0	10.0	10.0	5.0	263.0	31.0	21.0	16.0	166.0
2.5	13.0	15.0	129.0	5.0	20.0	197.0			
47101-64		5.0	0.5	0.5	20.1	87.0	54.0	200.0	16.0
31.0	50.0	0.3	0.5	165.0	47.0	257.0	97.0	1.0	2.0
15.0	19.0	10.0	10.0	27.0	249.0	60.0	31.0	22.0	111.0
40.0	16.0	37.0	101.0	5.0	29.0	218.0			
47101-65		5.0	0.5	0.5	23.1	96.0	32.0	210.0	12.0
27.0	51.0	0.3	0.5	193.0	38.0	291.0	25.0	1.0	2.0
18.0	17.0	10.0	10.0	17.0	216.0	49.0	27.0	19.0	110.0
9.0	15.0	15.0	84.0	11.0	26.0	203.0			
47101-66		5.0	0.5	0.5	20.2	131.0	32.0	222.0	13.0
34.0	58.0	0.3	2.0	160.0	46.0	321.0	25.0	1.0	2.0
18.0	19.0	10.0	10.0	5.0	246.0	56.0	29.0	21.0	91.0
2.5	17.0	15.0	100.0	5.0	29.0	222.0			
47101-67		5.0	0.5	0.5	21.7	121.0	41.0	160.0	14.0
32.0	55.0	0.3	0.5	157.0	39.0	244.0	56.0	1.0	2.0
10.0	20.0	10.0	10.0	18.0	236.0	55.0	27.0	20.0	84.0
22.0	15.0	38.0	91.0	5.0	25.0	204.0			
47101-68		5.0	0.5	0.5	27.9	132.0	34.0	271.0	14.0
29.0	56.0	0.3	1.0	170.0	40.0	430.0	25.0	1.0	2.0
26.0	15.0	10.0	10.0	11.0	223.0	52.0	27.0	20.0	168.0
2.5	19.0	15.0	94.0	5.0	28.0	272.0			
47101-69		5.0	0.5	0.5	20.6	150.0	42.0	245.0	14.0
29.0	51.0	0.3	2.0	117.0	42.0	369.0	25.0	1.0	2.0
14.0	19.0	10.0	10.0	5.0	322.0	65.0	30.0	23.0	126.0
2.5	19.0	15.0	96.0	5.0	28.0	217.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-70		5.0	0.5	0.5	26.4	138.0	82.0	218.0	25.0
31.0	55.0	0.6	0.5	96.0	46.0	217.0	138.0	1.0	2.0
11.0	22.0	10.0	10.0	33.0	279.0	77.0	35.0	27.0	140.0
55.0	16.0	59.0	87.0	13.0	28.0	241.0			
47101-71		5.0	0.5	0.5	19.0	54.0	32.0	190.0	10.0
32.0	55.0	0.3	0.5	140.0	35.0	339.0	25.0	1.0	2.0
28.0	19.0	10.0	10.0	18.0	348.0	39.0	24.0	13.0	139.0
17.0	19.0	15.0	140.0	5.0	24.0	214.0			
47101-72		5.0	0.5	1.0	15.3	40.0	13.0	162.0	2.5
28.0	41.0	1.6	1.0	78.0	53.0	180.0	25.0	1.0	2.0
2.5	24.0	10.0	10.0	5.0	257.0	63.0	31.0	27.0	117.0
2.5	16.0	15.0	92.0	5.0	31.0	266.0			
47101-73		5.0	0.5	0.5	15.5	43.0	11.0	207.0	2.5
28.0	43.0	1.8	2.0	92.0	49.0	197.0	25.0	1.0	2.0
2.5	24.0	10.0	10.0	5.0	248.0	58.0	28.0	22.0	143.0
2.5	15.0	15.0	88.0	5.0	28.0	246.0			
47101-74		5.0	0.5	0.5	17.6	54.0	39.0	185.0	12.0
30.0	56.0	0.3	0.5	227.0	38.0	322.0	72.0	1.0	2.0
17.0	19.0	10.0	10.0	23.0	373.0	52.0	30.0	12.0	79.0
27.0	19.0	15.0	202.0	11.0	23.0	173.0			
47101-75		5.0	0.5	0.5	28.4	57.0	45.0	167.0	19.0
33.0	53.0	0.3	2.0	145.0	45.0	301.0	87.0	1.0	2.0
15.0	18.0	10.0	10.0	18.0	301.0	53.0	26.0	21.0	83.0
35.0	16.0	54.0	109.0	23.0	27.0	202.0			
47101-76		5.0	0.5	0.5	18.6	53.0	12.0	177.0	5.0
32.0	51.0	0.5	0.5	96.0	55.0	248.0	25.0	1.0	2.0
11.0	21.0	10.0	10.0	5.0	299.0	54.0	27.0	23.0	126.0
2.5	15.0	15.0	95.0	5.0	34.0	241.0			
47101-77		5.0	0.5	2.0	20.3	34.0	34.0	193.0	10.0
22.0	49.0	0.3	0.5	536.0	23.0	311.0	25.0	1.0	2.0
16.0	13.0	10.0	10.0	14.0	244.0	68.0	36.0	16.0	67.0
17.0	13.0	15.0	96.0	5.0	28.0	188.0			
47101-78		5.0	0.5	0.5	20.0	40.0	5.0	161.0	2.5
33.0	47.0	1.7	1.0	77.0	53.0	181.0	25.0	1.0	2.0
2.5	26.0	10.0	10.0	5.0	308.0	69.0	31.0	20.0	92.0
2.5	15.0	15.0	98.0	5.0	29.0	241.0			
47101-79		5.0	0.5	0.5	15.4	68.0	11.0	165.0	2.5
30.0	47.0	1.7	0.5	123.0	52.0	210.0	25.0	1.0	2.0
2.5	23.0	10.0	10.0	5.0	287.0	61.0	30.0	19.0	81.0
2.5	16.0	15.0	94.0	5.0	29.0	223.0			
47101-80		5.0	0.5	0.5	15.8	38.0	5.0	155.0	2.5
36.0	44.0	1.7	1.0	77.0	52.0	167.0	25.0	1.0	2.0
2.5	26.0	10.0	10.0	5.0	299.0	81.0	34.0	17.0	93.0
2.5	18.0	15.0	111.0	5.0	33.0	251.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-81		5.0	3.0	0.5	20.3	51.0	11.0	160.0	2.5
33.0	46.0	1.7	1.0	78.0	55.0	187.0	25.0	1.0	2.0
2.5	24.0	10.0	10.0	5.0	278.0	67.0	32.0	14.0	142.0
2.5	17.0	15.0	102.0	5.0	31.0	228.0			
47101-82		5.0	3.0	0.5	24.8	39.0	5.0	150.0	2.5
34.0	43.0	1.6	1.0	65.0	52.0	173.0	25.0	1.0	2.0
2.5	25.0	10.0	10.0	5.0	294.0	84.0	36.0	24.0	139.0
2.5	18.0	15.0	111.0	5.0	34.0	262.0			
47101-83		5.0	0.5	0.5	17.3	71.0	6.0	189.0	2.5
22.5	65.0	0.5	0.5	249.0	36.0	155.0	25.0	1.0	2.0
7.0	11.0	10.0	10.0	5.0	326.0	25.0	26.0	7.5	118.0
2.5	19.0	15.0	125.0	5.0	24.0	188.0			
47101-84		5.0	0.5	0.5	13.2	58.0	5.0	129.0	2.5
38.0	59.0	1.6	0.5	139.0	35.0	225.0	25.0	1.0	2.0
2.5	23.0	10.0	10.0	5.0	324.0	52.0	27.0	16.0	77.0
2.5	19.0	15.0	117.0	5.0	23.0	169.0			
47101-85		5.0	0.5	1.0	8.6	65.0	6.5	182.0	2.5
26.0	66.0	0.4	0.5	131.0	41.0	155.0	25.0	1.0	2.0
9.0	12.5	10.0	10.0	5.0	360.0	26.5	30.0	9.0	124.0
2.5	21.0	15.0	112.0	5.0	28.0	224.0			
47101-86		5.0	0.5	0.5	14.9	71.0	5.0	211.0	2.5
17.0	60.0	0.3	1.0	249.0	30.0	173.0	25.0	1.0	2.0
2.5	11.0	10.0	10.0	5.0	308.0	21.0	24.0	6.0	121.0
2.5	18.0	15.0	116.0	5.0	22.0	178.0			
47101-87		5.0	2.0	6.0	9.5	38.0	12.0	127.0	2.5
32.0	54.0	0.3	0.5	179.0	41.0	246.0	25.0	1.0	8.6
2.5	24.0	10.0	10.0	5.0	390.0	38.0	20.0	15.0	129.0
2.5	15.0	15.0	100.0	5.0	23.0	184.0			
47101-88		5.0	3.0	10.0	6.0	54.0	14.0	88.0	2.5
29.0	55.0	0.7	0.5	214.0	31.0	192.0	25.0	1.0	8.3
2.5	25.0	10.0	10.0	5.0	367.0	37.0	27.0	18.0	105.0
2.5	14.0	15.0	106.0	5.0	33.0	168.0			
47101-89		5.0	1.0	0.5	13.0	69.0	5.0	160.0	2.5
15.0	49.0	0.6	0.5	192.0	27.0	133.5	25.0	1.0	2.0
2.5	10.5	10.0	10.0	5.0	350.0	24.0	26.0	7.5	73.0
2.5	17.0	16.0	126.0	5.0	23.0	174.0			
47101-90		5.0	0.5	0.5	41.9	33.0	24.0	126.0	2.5
28.0	73.0	0.6	0.5	155.0	62.0	199.0	25.0	1.0	9.3
2.5	25.0	10.0	10.0	5.0	397.0	53.0	29.0	16.0	79.0
2.5	15.0	15.0	96.0	5.0	22.0	169.0			
47101-91		5.0	0.5	0.5	38.0	26.0	12.0	152.0	2.5
30.0	54.0	0.3	0.5	120.0	61.0	168.0	25.0	1.0	8.1
6.0	21.0	10.0	10.0	5.0	440.0	53.0	22.0	15.0	75.0
2.5	12.0	15.0	70.0	5.0	19.0	167.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-92		5.0	0.5	291.0	35.1	34.0	31.0	156.0	2.5
29.0	65.0	0.3	0.5	240.0	47.0	267.0	25.0	1.0	10.6
8.0	23.0	10.0	10.0	5.0	312.0	46.0	27.0	14.0	157.0
2.5	15.0	15.0	79.0	5.0	22.0	176.0			
47101-098		5.0	0.5	41.0	17.4	32.0	70.0	215.0	2.5
21.0	51.0	1.3	0.5	299.0	42.0	115.0	25.0	1.0	2.0
2.5	18.0	10.0	10.0	5.0	283.0	49.0	26.0	14.0	112.0
2.5	10.0	15.0	68.0	5.0	16.0	120.0			
47101-099		5.0	0.5	2.0	16.7	40.0	98.0	253.0	2.5
22.0	46.0	1.3	2.0	228.0	44.0	109.0	25.0	1.0	2.0
2.5	17.0	10.0	10.0	5.0	264.0	51.0	27.0	14.0	25.0
2.5	10.0	15.0	64.0	5.0	21.0	120.0			
47101-100		5.0	0.5	0.5	22.5	42.0	38.0	163.0	2.5
23.0	49.0	1.0	0.5	293.0	26.0	68.0	25.0	1.0	2.0
2.5	11.0	10.0	10.0	5.0	224.0	39.0	21.0	11.0	25.0
5.0	7.0	15.0	35.0	5.0	13.0	112.0			
47101-101		5.0	0.5	0.5	18.9	58.0	14.0	82.0	2.5
28.0	59.0	0.8	0.5	251.0	22.0	75.0	25.0	1.0	2.0
2.5	12.0	10.0	10.0	5.0	204.0	51.0	25.0	13.0	56.0
2.5	10.0	15.0	34.0	5.0	17.0	126.0			
47101-102		5.0	0.5	0.5	19.1	102.0	46.0	247.0	2.5
47.0	40.0	1.1	2.0	167.0	32.0	60.0	25.0	1.0	2.0
2.5	10.0	10.0	10.0	5.0	173.0	46.0	23.0	13.0	25.0
2.5	6.0	15.0	45.0	5.0	16.0	93.0			
47101-103		5.0	0.5	1.0	42.9	30.0	20.0	171.0	2.5
21.0	94.0	0.7	1.0	357.0	22.0	124.0	25.0	1.0	6.9
2.5	18.0	10.0	10.0	5.0	233.0	65.0	35.0	11.0	96.0
2.5	14.0	15.0	82.0	5.0	19.0	88.0			
47101-104		5.0	0.5	0.5	37.6	21.0	10.0	76.0	2.5
16.0	47.0	0.3	0.5	234.0	25.0	92.0	25.0	1.0	6.7
2.5	15.0	10.0	10.0	5.0	203.0	40.0	20.0	11.0	111.0
2.5	8.0	15.0	62.0	5.0	15.0	152.0			
47101-105		5.0	0.5	18.0	39.9	367.0	240.0	605.0	2.5
58.0	84.0	1.3	3.0	786.0	26.0	146.0	91.0	1.0	16.4
8.0	22.0	10.0	10.0	14.0	435.0	39.0	18.0	11.0	130.0
2.5	15.0	15.0	127.0	5.0	21.0	67.0			
47101-106		5.0	0.5	3.0	48.9	74.0	216.0	940.0	2.5
20.0	42.0	0.3	3.0	268.0	18.0	270.0	25.0	1.0	13.4
12.0	16.0	10.0	10.0	5.0	450.0	35.0	18.0	5.0	162.0
2.5	13.0	15.0	75.0	5.0	18.0	137.0			
47101-111		5.0	0.5	22.0	31.0	707.0	783.0	2794.0	6.0
81.0	55.0	1.5	12.0	171.0	23.0	136.0	241.0	1.0	2.0
12.0	14.0	10.0	10.0	11.0	425.0	40.0	30.0	8.0	58.0
2.5	15.0	54.0	49.0	5.0	22.0	122.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-112		5.0	0.5	5.0	38.4	63.0	699.0	1041.0	2.5
23.0	38.0	0.7	4.0	267.0	20.0	200.0	25.0	1.0	2.0
2.5	12.0	10.0	10.0	5.0	363.0	36.0	24.0	0.5	64.0
2.5	13.0	15.0	67.0	5.0	18.0	116.0			
47101-113		5.0	0.5	4.0	36.8	71.0	205.0	962.0	2.5
21.0	39.0	1.0	3.0	147.0	24.0	131.0	25.0	1.0	2.0
2.5	16.0	10.0	10.0	5.0	521.0	46.0	26.0	4.0	89.0
2.5	13.0	15.0	67.0	5.0	20.0	115.0			
47101-114		5.0	0.5	6.0	37.0	125.0	126.0	665.0	2.5
25.0	65.0	1.1	1.0	269.0	25.0	104.0	25.0	1.0	2.0
2.5	18.0	10.0	10.0	5.0	468.0	35.0	21.0	9.0	102.0
2.5	12.0	31.0	85.0	5.0	16.0	83.0			
47101-115		5.0	0.5	0.5	27.7	42.0	83.0	259.0	2.5
18.0	81.0	1.3	0.5	377.0	30.0	152.0	25.0	1.0	2.0
2.5	20.0	10.0	10.0	5.0	352.0	32.0	21.0	8.0	58.0
2.5	16.0	15.0	130.0	5.0	18.0	63.0			
47101-116		5.0	0.5	0.5	27.5	10.0	14.0	154.0	2.5
10.0	22.0	0.3	0.5	224.0	24.0	63.0	25.0	1.0	2.0
2.5	10.0	10.0	10.0	5.0	172.0	31.0	18.0	7.0	143.0
2.5	6.0	15.0	49.0	5.0	14.0	120.0			
47101-117		5.0	0.5	4.0	34.1	124.0	187.0	566.0	2.5
31.0	65.0	1.2	3.0	825.0	19.0	241.0	67.0	1.0	2.0
2.5	15.0	10.0	10.0	5.0	207.0	57.0	33.0	12.0	79.0
5.0	14.0	15.0	69.0	5.0	24.0	248.0			
47101-118		5.0	0.5	0.5	11.5	40.0	6.0	154.0	2.5
14.0	50.0	0.3	1.0	150.0	36.0	161.5	25.0	1.0	2.0
6.0	5.5	10.0	10.0	12.0	189.0	21.0	23.0	8.5	25.0
2.5	16.0	15.0	90.0	5.0	21.0	192.0			
47101-119		5.0	0.5	7.0	17.3	41.0	10.0	112.0	2.5
25.0	44.0	0.9	1.0	177.0	29.0	209.0	25.0	1.0	2.0
2.5	15.0	10.0	10.0	5.0	179.0	52.0	25.0	6.0	63.0
2.5	13.0	15.0	77.0	5.0	22.0	190.0			
47101-120		5.0	0.5	2.0	14.9	49.0	11.0	175.0	5.0
14.5	49.0	0.5	1.0	135.0	42.0	129.5	25.0	1.0	2.0
2.5	6.5	10.0	10.0	5.0	281.0	27.0	27.0	10.0	25.0
2.5	14.0	15.0	106.0	5.0	24.0	187.0			
47101-121		5.0	0.5	4.0	19.7	81.0	22.5	192.0	5.0
17.0	57.0	0.3	0.5	203.0	31.0	164.0	25.0	1.0	2.0
8.0	5.0	10.0	10.0	5.0	266.0	22.5	22.0	9.0	25.0
2.5	12.0	15.0	66.0	5.0	21.0	189.0			
47101-122		5.0	0.5	5.0	18.8	76.0	10.5	182.0	2.5
14.0	49.0	0.3	2.0	188.0	35.0	156.0	25.0	1.0	2.0
8.0	5.0	10.0	10.0	5.0	257.0	25.5	26.0	9.5	25.0
2.5	14.0	17.5	111.0	5.0	25.0	176.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-124		5.0	1.0	21.0	22.3	62.0	14.5	180.0	2.5
16.0	51.0	0.5	2.0	110.0	41.0	137.5	25.0	1.0	2.0
2.5	8.0	10.0	10.0	5.0	363.0	21.0	22.0	10.0	115.0
2.5	14.0	15.0	104.0	5.0	23.0	178.0			
47101-125		5.0	0.5	0.5	20.4	50.0	12.5	197.0	2.5
16.0	50.0	0.4	1.0	104.0	41.0	127.0	25.0	1.0	2.0
2.5	8.5	10.0	10.0	5.0	294.0	20.0	21.0	10.0	25.0
2.5	13.0	15.0	119.0	5.0	22.0	173.0			
47101-126		5.0	0.5	561.0	25.1	329.0	686.0	1684.0	7.0
97.0	74.0	8.0	9.0	3615.0	8.0	902.0	187.0	1.0	2.0
2.5	27.0	10.0	10.0	34.0	427.0	68.0	47.0	41.0	96.0
22.0	22.0	96.0	87.0	5.0	30.0	333.0			
47101-127		5.0	1.0	10.0	34.4	154.0	296.0	970.0	2.5
36.0	60.0	0.3	3.0	646.0	20.0	299.0	61.0	1.0	2.0
10.0	19.0	10.0	10.0	5.0	423.0	47.0	30.0	14.0	77.0
2.5	17.0	15.0	107.0	5.0	23.0	165.0			
47101-128		5.0	0.5	1.0	33.0	52.0	255.0	821.0	2.5
25.0	52.0	0.8	4.0	231.0	35.0	209.0	25.0	1.0	2.0
2.5	20.0	10.0	10.0	5.0	326.0	39.0	25.0	9.0	76.0
2.5	14.0	15.0	134.0	5.0	20.0	149.0			
47101-130		5.0	0.5	12.0	39.3	243.0	390.0	1230.0	2.5
47.0	61.0	0.3	6.0	538.0	19.0	389.0	140.0	1.0	2.0
11.0	13.0	10.0	10.0	5.0	361.0	43.0	31.0	0.5	71.0
2.5	19.0	15.0	103.0	5.0	24.0	125.0			
47101-131		5.0	0.5	0.5	25.0	26.0	12.0	40.0	2.5
7.0	18.0	0.5	0.5	249.0	16.0	33.0	25.0	1.0	2.0
2.5	14.0	10.0	10.0	5.0	330.0	57.0	30.0	21.0	151.0
2.5	4.0	15.0	43.0	5.0	25.0	213.0			
47101-132		5.0	1.0	1.0	41.9	27.0	16.0	80.0	2.5
17.0	45.0	0.7	0.5	364.0	31.0	65.0	25.0	1.0	2.0
2.5	20.0	10.0	10.0	5.0	658.0	72.0	36.0	16.0	110.0
2.5	8.0	15.0	83.0	5.0	23.0	140.0			
47101-133		5.0	0.5	0.5	36.6	21.0	5.0	38.0	2.5
11.0	23.0	0.3	0.5	121.0	20.0	36.0	25.0	1.0	2.0
2.5	14.0	10.0	10.0	5.0	349.0	64.0	34.0	17.0	121.0
2.5	5.0	15.0	40.0	5.0	22.0	125.0			
47101-134		5.0	0.5	1.0	17.9	22.0	5.0	61.0	2.5
22.0	143.0	1.7	0.5	1868.0	19.0	115.0	25.0	1.0	2.0
2.5	21.0	10.0	10.0	5.0	508.0	47.0	24.0	18.0	135.0
2.5	15.0	15.0	104.0	5.0	22.0	87.0			
47101-135		5.0	1.0	0.5	21.8	19.0	5.0	362.0	2.5
127.0	466.0	3.8	0.5	20000.0	11.0	347.0	25.0	1.0	2.0
16.0	59.0	10.0	10.0	5.0	150.0	46.0	24.0	20.0	78.0
33.5	20.0	70.0	72.0	5.0	22.0	44.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-136		5.0	2.0	5.0	14.8	20.0	17.0	93.0	2.5
20.0	57.0	0.9	0.5	170.0	41.0	85.0	25.0	1.0	2.0
2.5	18.0	10.0	10.0	5.0	378.0	53.0	26.0	13.0	86.0
2.5	7.0	15.0	61.0	5.0	16.0	121.0			
47101-137		5.0	0.5	3.0	9.8	19.0	14.0	86.0	2.5
19.0	51.0	1.0	0.5	303.0	39.0	78.0	25.0	1.0	2.0
2.5	16.0	10.0	10.0	5.0	398.0	61.0	28.0	13.0	55.0
2.5	9.0	15.0	67.0	5.0	18.0	130.0			
47101-138		5.0	5.0	11.0	16.6	25.0	16.0	86.0	2.5
21.0	58.0	1.1	0.5	825.0	36.0	91.0	25.0	1.0	2.0
2.5	17.0	10.0	10.0	5.0	336.0	54.0	24.0	13.0	25.0
2.5	8.0	15.0	62.0	5.0	17.0	117.0			
47101-139		5.0	0.5	0.5	18.6	23.0	18.0	96.0	2.5
22.0	59.0	1.2	0.5	215.0	42.0	91.0	25.0	1.0	2.0
2.5	18.0	10.0	10.0	5.0	381.0	68.0	30.0	14.0	25.0
2.5	11.0	15.0	70.0	5.0	20.0	123.0			
47101-140		5.0	0.5	2.0	12.3	25.0	17.0	94.0	2.5
22.0	62.0	0.9	0.5	208.0	43.0	99.0	25.0	1.0	2.0
2.5	17.0	10.0	10.0	5.0	377.0	59.0	27.0	13.0	25.0
2.5	11.0	15.0	67.0	5.0	19.0	123.0			
47101-141		5.0	0.5	1.0	44.5	86.0	18.0	95.0	2.5
27.0	67.0	1.7	0.5	427.0	51.0	95.0	25.0	1.0	2.0
2.5	18.0	10.0	10.0	5.0	342.0	61.0	33.0	14.0	108.0
2.5	12.0	15.0	71.0	5.0	18.0	152.0			
47101-142		5.0	0.5	0.5	48.0	18.0	5.0	48.0	2.5
16.0	58.0	0.3	0.5	337.0	27.0	66.0	25.0	1.0	2.0
2.5	14.0	10.0	10.0	5.0	338.0	49.0	27.0	7.0	70.0
2.5	10.0	15.0	65.0	5.0	17.0	141.0			
47101-143		5.0	0.5	0.5	32.6	27.0	5.0	67.0	2.5
16.0	54.0	0.5	0.5	408.0	30.0	71.0	25.0	1.0	2.0
2.5	14.0	10.0	10.0	5.0	238.0	55.0	29.0	9.0	88.0
2.5	9.0	15.0	60.0	5.0	18.0	166.0			
47101-144		5.0	2.0	3.0	31.2	144.0	15.0	136.0	2.5
27.0	67.0	0.3	0.5	520.0	26.0	191.0	25.0	1.0	2.0
2.5	17.0	10.0	10.0	5.0	443.0	48.0	28.0	0.5	116.0
2.5	15.0	15.0	55.0	5.0	21.0	175.0			
47101-145		5.0	0.5	0.5	42.3	397.0	13.0	153.0	2.5
31.0	78.0	0.6	0.5	187.0	52.0	112.0	25.0	1.0	2.0
2.5	19.0	10.0	10.0	5.0	444.0	62.0	30.0	11.0	163.0
2.5	14.0	15.0	49.0	5.0	22.0	143.0			
47101-146		5.0	0.5	1.0	47.8	115.0	13.0	88.0	2.5
24.0	59.0	0.5	0.5	335.0	34.0	83.0	25.0	1.0	2.0
2.5	15.0	10.0	10.0	5.0	509.0	46.0	24.0	9.0	83.0
2.5	10.0	15.0	69.0	5.0	18.0	152.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-147		5.0	0.5	0.5	16.9	78.0	5.0	28.0	2.5
12.0	15.0	0.3	0.5	245.0	8.0	53.0	25.0	1.0	2.0
2.5	9.0	10.0	10.0	5.0	272.0	21.0	9.0	8.0	25.0
2.5	5.0	15.0	22.0	5.0	9.0	111.0			
47101-148		5.0	1.0	1.0	45.6	87.0	31.0	259.0	2.5
25.0	118.0	0.7	1.0	200.0	60.0	97.0	25.0	1.0	2.0
2.5	18.0	10.0	10.0	5.0	371.0	64.0	30.0	11.0	104.0
2.5	14.0	15.0	44.0	5.0	23.0	124.0			
47101-149		5.0	1.0	1.0	45.5	103.0	21.0	87.0	2.5
21.0	56.0	0.8	0.5	193.0	28.0	88.0	25.0	1.0	2.0
2.5	17.0	10.0	10.0	5.0	314.0	54.0	31.0	10.0	56.0
2.5	12.0	15.0	60.0	5.0	28.0	136.0			
47101-150		5.0	0.5	4.0	54.1	183.0	34.0	123.0	2.5
38.0	73.0	0.6	0.5	252.0	40.0	103.0	25.0	1.0	2.0
2.5	17.0	10.0	10.0	5.0	308.0	58.0	30.0	10.0	121.0
2.5	12.0	15.0	57.0	5.0	21.0	142.0			
47101-152		5.0	1.0	22.0	35.9	597.0	98.0	169.0	6.0
86.0	73.0	1.0	2.0	328.0	29.0	94.0	157.0	1.0	2.0
2.5	12.0	10.0	10.0	14.0	248.0	38.0	23.0	7.0	103.0
2.5	8.0	30.0	46.0	5.0	17.0	127.0			
47101-153		5.0	1.0	36.0	28.7	730.0	157.0	375.0	2.5
38.0	43.0	1.0	1.0	91.0	17.0	82.0	25.0	1.0	2.0
11.0	17.0	10.0	10.0	11.0	1314.0	52.0	24.0	10.0	66.0
2.5	11.0	32.0	45.0	5.0	18.0	101.0			
47101-156		5.0	2.0	97.0	27.2	2088.0	400.0	855.0	18.0
128.0	42.0	6.7	4.0	73.0	19.0	63.0	344.0	1.0	2.0
42.0	12.0	10.0	10.0	31.0	361.0	42.0	26.0	6.0	68.0
2.5	10.0	47.0	23.0	13.0	20.0	73.0			
47101-157		5.0	1.0	6.0	36.8	694.0	88.0	310.0	2.5
48.0	46.0	1.0	1.0	87.0	31.0	104.0	59.0	1.0	2.0
2.5	19.0	10.0	10.0	11.0	661.0	53.0	29.0	11.0	131.0
2.5	13.0	61.0	75.0	5.0	21.0	105.0			
47101-158		5.0	2.0	44.0	35.8	1771.0	371.0	1065.0	14.0
111.0	57.0	2.0	6.0	84.0	20.0	67.0	423.0	1.0	2.0
16.0	9.0	10.0	10.0	35.0	773.0	37.0	25.0	4.0	25.0
12.0	9.0	40.0	43.0	11.0	18.0	51.0			
47101-159		5.0	0.5	3.0	37.0	221.0	101.0	422.0	2.5
31.0	51.0	0.7	2.0	143.0	34.0	102.0	25.0	1.0	2.0
2.5	18.0	10.0	10.0	5.0	541.0	55.0	29.0	10.0	93.0
2.5	12.0	15.0	73.0	5.0	23.0	127.0			
47101-160		5.0	0.5	6.0	52.2	360.0	220.0	1078.0	2.5
41.0	44.0	1.1	3.0	82.0	27.0	149.0	68.0	1.0	2.0
2.5	19.0	10.0	10.0	5.0	805.0	48.0	26.0	10.0	106.0
2.5	16.0	32.0	66.0	5.0	23.0	118.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-161		5.0	1.0	4.0	26.7	124.0	395.0	2186.0	2.5
26.0	39.0	1.1	8.0	111.0	30.0	126.0	25.0	1.0	2.0
2.5	21.0	10.0	10.0	5.0	569.0	53.0	28.0	11.0	96.0
2.5	14.0	15.0	63.0	5.0	23.0	124.0			
47101-162		5.0	1.0	9.0	26.0	258.0	531.0	1249.0	2.5
45.0	52.0	1.1	5.0	126.0	25.0	158.0	79.0	1.0	2.0
2.5	18.0	10.0	10.0	5.0	1041.0	41.0	25.0	10.0	141.0
2.5	14.0	15.0	79.0	5.0	23.0	126.0			
47101-163		5.0	0.5	7.0	52.9	175.0	709.0	2019.0	2.5
34.0	47.0	0.9	8.0	88.0	25.0	147.0	25.0	1.0	2.0
2.5	18.0	10.0	10.0	5.0	690.0	38.0	22.0	10.0	115.0
2.5	14.0	15.0	58.0	5.0	20.0	135.0			
47101-166		5.0	0.5	2.0	30.5	213.0	78.0	257.0	9.0
28.0	44.0	0.9	0.5	276.0	30.0	101.0	52.0	1.0	2.0
9.0	16.0	10.0	10.0	17.0	414.0	53.0	26.0	13.0	86.0
24.0	9.0	36.0	66.0	5.0	18.0	142.0			
47101-166		5.0	0.5	3.0	16.5	25.0	12.0	107.0	2.5
24.0	60.0	1.0	0.5	177.0	41.0	152.0	25.0	1.0	2.0
2.5	14.0	10.0	10.0	5.0	309.0	34.0	17.0	10.0	25.0
2.5	18.0	15.0	180.0	5.0	20.0	100.0			
47101-167		5.0	0.5	8.0	42.2	332.0	159.0	351.0	9.0
48.0	55.0	1.0	1.0	193.0	31.0	163.0	57.0	1.0	2.0
12.0	16.0	10.0	10.0	13.0	584.0	53.0	24.0	11.0	95.0
17.0	13.0	35.0	72.0	5.0	20.0	123.0			
47101-167		5.0	0.5	0.5	15.3	22.0	13.0	109.0	2.5
22.0	61.0	0.8	2.0	288.0	36.0	206.0	25.0	1.0	2.0
2.5	13.0	10.0	10.0	5.0	272.0	29.0	16.0	11.0	25.0
2.5	20.0	15.0	148.0	5.0	19.0	99.0			
47101-168		5.0	0.5	2.0	17.8	37.0	60.0	216.0	11.0
20.0	59.0	0.3	2.0	1921.0	27.0	262.0	85.0	1.0	2.0
18.0	17.0	10.0	10.0	19.0	311.0	77.0	37.0	20.0	59.0
27.0	13.0	15.0	72.0	10.0	23.0	321.0			
47101-169		5.0	0.5	1.0	34.9	41.0	335.0	210.0	2.5
27.0	44.0	0.8	1.0	634.0	34.0	128.0	25.0	1.0	2.0
2.5	14.0	10.0	10.0	5.0	2024.0	42.0	25.0	8.0	122.0
2.5	10.0	15.0	93.0	5.0	18.0	147.0			
47101-170		5.0	2.0	4.0	32.9	57.0	209.0	893.0	2.5
21.0	38.0	0.6	2.0	151.0	34.0	117.0	25.0	1.0	2.0
2.5	15.0	10.0	10.0	5.0	1373.0	28.0	18.0	9.0	194.0
2.5	11.0	15.0	82.0	5.0	15.0	115.0			
47101-171		5.0	0.5	0.5	44.1	62.0	985.0	2141.0	2.5
38.0	60.0	1.3	6.0	115.0	39.0	173.0	25.0	1.0	2.0
7.0	18.0	10.0	10.0	5.0	475.0	42.0	18.0	9.0	121.0
2.5	15.0	31.0	110.0	5.0	19.0	143.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-172		5.0	0.5	1.0	34.7	63.0	325.0	3043.0	2.5
64.0	92.0	0.3	6.0	93.0	36.0	180.0	25.0	1.0	2.0
10.0	19.0	10.0	10.0	5.0	815.0	45.0	22.0	10.0	140.0
2.5	18.0	35.0	61.0	5.0	26.0	140.0			
47101-173		5.0	1.0	6.0	37.8	220.0	453.0	2391.0	2.5
38.0	51.0	0.9	9.0	129.0	30.0	157.0	25.0	1.0	2.0
2.5	17.0	10.0	10.0	14.0	702.0	36.0	22.0	9.0	89.0
2.5	16.0	39.0	57.0	5.0	21.0	126.0			
47101-174		5.0	0.5	12.0	44.7	428.0	166.0	482.0	6.0
92.0	78.0	1.5	4.0	152.0	23.0	172.0	25.0	1.0	2.0
9.0	13.0	10.0	10.0	5.0	1363.0	39.0	19.0	10.0	93.0
2.5	18.0	47.0	93.0	19.0	25.0	122.0			
47101-175		5.0	0.5	2.0	27.8	171.0	416.0	1337.0	7.0
31.0	39.0	1.2	5.0	132.0	28.0	171.0	123.0	1.0	2.0
2.5	21.0	10.0	10.0	22.0	713.0	47.0	29.0	10.0	113.0
26.0	17.0	56.0	58.0	15.0	26.0	129.0			
47101-177		5.0	0.5	0.5	18.5	79.0	213.0	1294.0	2.5
28.0	30.0	1.0	4.0	124.0	29.0	119.0	25.0	1.0	2.0
2.5	15.0	10.0	10.0	5.0	359.0	53.0	22.0	10.0	157.0
2.5	12.0	15.0	51.0	5.0	12.0	98.0			
47101-178		5.0	0.5	0.5	12.4	89.0	500.0	1993.0	9.0
14.0	40.0	0.8	9.0	219.0	20.0	71.0	25.0	1.0	2.0
2.5	12.0	10.0	10.0	5.0	404.0	40.0	19.0	9.0	103.0
2.5	8.0	15.0	58.0	5.0	14.0	79.0			
47101-179		5.0	0.5	0.5	14.8	138.0	518.0	2468.0	2.5
22.0	56.0	1.0	12.0	365.0	19.0	81.0	25.0	1.0	2.0
2.5	12.0	10.0	10.0	19.0	558.0	41.0	23.0	8.0	118.0
2.5	8.0	15.0	46.0	5.0	18.0	90.0			
47101-180		5.0	0.5	0.5	15.1	86.0	413.0	1571.0	2.5
16.0	29.0	1.3	6.0	157.0	21.0	92.0	25.0	1.0	2.0
2.5	16.0	10.0	10.0	5.0	1855.0	46.0	22.0	10.0	161.0
2.5	9.0	15.0	88.0	5.0	19.0	135.0			
47101-181		5.0	0.5	7.0	16.7	445.0	1156.0	5000.0	2.5
23.0	40.0	1.7	19.0	205.0	28.0	81.0	72.0	1.0	2.0
2.5	10.0	10.0	10.0	14.0	538.0	38.0	19.0	7.0	25.0
18.0	9.0	15.0	81.0	5.0	15.0	71.0			
47101-182		5.0	0.5	0.5	20.5	45.0	29.0	307.0	2.5
24.0	131.0	0.6	0.5	912.0	61.0	106.0	25.0	1.0	2.0
2.5	22.0	10.0	10.0	5.0	350.0	50.0	33.0	12.0	96.0
2.5	11.0	15.0	62.0	5.0	22.0	132.0			
47101-183		5.0	0.5	0.5	25.1	32.0	5.0	165.0	2.5
33.0	96.0	0.8	0.5	4622.0	61.0	157.0	25.0	1.0	2.0
2.5	26.0	10.0	10.0	5.0	327.0	42.0	28.0	13.0	96.0
2.5	15.0	32.0	54.0	5.0	19.0	118.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-184		5.0	0.5	0.5	32.5	34.0	17.0	127.0	5.0
32.0	87.0	0.6	0.5	3545.0	46.0	134.0	25.0	1.0	2.0
2.5	22.0	10.0	10.0	5.0	295.0	41.0	27.0	11.0	56.0
2.5	13.0	31.0	56.0	5.0	19.0	136.0			
47101-185		5.0	1.0	0.5	26.4	19.0	15.0	55.0	2.5
17.0	53.0	0.3	0.5	489.0	28.0	70.0	25.0	1.0	2.0
2.5	11.0	10.0	10.0	5.0	232.0	43.0	24.0	9.0	94.0
2.5	8.0	15.0	62.0	5.0	16.0	151.0			
47101-186		5.0	0.5	0.5	28.4	26.0	5.0	144.0	2.5
41.0	84.0	0.3	0.5	9226.0	36.0	190.0	25.0	1.0	2.0
17.0	25.0	10.0	10.0	5.0	229.0	45.0	29.0	12.0	102.0
2.5	12.0	15.0	53.0	5.0	19.0	171.0			
47101-187		5.0	0.5	0.5	34.0	18.0	14.0	85.0	2.5
19.0	60.0	0.3	0.5	1486.0	36.0	98.0	25.0	1.0	2.0
2.5	17.0	10.0	10.0	5.0	237.0	47.0	27.0	10.0	84.0
2.5	10.0	15.0	58.0	5.0	17.0	133.0			
47101-188		5.0	0.5	1.0	31.6	20.0	5.0	66.0	2.5
19.0	64.0	0.3	0.5	344.0	30.0	82.0	25.0	1.0	2.0
2.5	14.0	10.0	10.0	5.0	241.0	43.0	22.0	9.0	78.0
2.5	9.0	15.0	75.0	5.0	17.0	140.0			
47101-189		5.0	0.5	0.5	25.3	28.0	46.0	84.0	11.0
21.0	73.0	0.9	0.5	620.0	33.0	81.0	106.0	1.0	2.0
5.0	18.0	10.0	10.0	19.0	271.0	50.0	24.0	11.0	60.0
41.0	10.0	31.0	71.0	5.0	17.0	123.0			
47101-190		5.0	0.5	0.5	39.1	32.0	14.0	95.0	2.5
18.0	75.0	0.7	0.5	1099.0	35.0	100.0	25.0	1.0	2.0
2.5	21.0	10.0	10.0	5.0	348.0	43.0	25.0	12.0	109.0
2.5	10.0	15.0	61.0	5.0	15.0	104.0			
47101-191		5.0	0.5	1.0	37.3	25.0	15.0	112.0	2.5
21.0	95.0	0.7	0.5	522.0	50.0	115.0	25.0	1.0	2.0
2.5	23.0	10.0	10.0	5.0	382.0	54.0	31.0	12.0	176.0
2.5	13.0	15.0	53.0	5.0	20.0	127.0			
47101-192		5.0	0.5	0.5	16.7	29.0	10.0	103.0	2.5
35.0	85.0	1.2	2.0	5174.0	25.0	173.0	25.0	1.0	2.0
5.0	18.0	10.0	10.0	5.0	252.0	56.0	26.0	11.0	25.0
2.5	13.0	15.0	71.0	5.0	22.0	217.0			
47101-193		5.0	0.5	4.0	13.6	60.0	52.0	207.0	2.5
30.0	75.0	1.1	1.0	926.0	27.0	169.0	25.0	1.0	2.0
2.5	13.0	10.0	10.0	5.0	477.0	49.0	21.0	11.0	69.0
2.5	12.0	15.0	63.0	5.0	17.0	190.0			
47101-195		5.0	0.5	6.0	17.0	48.0	30.0	133.0	5.0
45.0	96.0	1.5	2.0	6328.0	23.0	203.0	25.0	1.0	2.0
2.5	19.0	10.0	10.0	5.0	367.0	53.0	24.0	12.0	25.0
2.5	12.0	15.0	67.0	5.0	20.0	138.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-196		5.0	0.5	3.0	19.8	28.0	16.0	105.0	2.5
25.0	67.0	1.1	0.5	1760.0	43.0	114.0	25.0	1.0	2.0
2.5	16.0	10.0	10.0	5.0	316.0	54.0	26.0	12.0	25.0
2.5	12.0	15.0	88.0	5.0	19.0	178.0			
47101-198		5.0	0.5	0.5	17.0	27.0	15.0	87.0	2.5
20.0	64.0	0.9	0.5	716.0	36.0	108.0	25.0	1.0	2.0
2.5	14.0	10.0	10.0	5.0	307.0	53.0	26.0	9.0	25.0
2.5	11.0	15.0	71.0	5.0	18.0	132.0			
47101-199		5.0	0.5	0.5	13.6	28.0	17.0	105.0	2.5
20.0	64.0	0.7	0.5	509.0	49.0	86.0	25.0	1.0	2.0
2.5	15.0	10.0	10.0	5.0	367.0	49.0	25.0	10.0	25.0
2.5	11.0	15.0	91.0	5.0	17.0	120.0			
47101-200		5.0	0.5	0.5	22.8	39.0	20.0	243.0	2.5
14.0	55.0	0.8	0.5	283.0	65.0	68.0	25.0	1.0	2.0
2.5	17.0	10.0	10.0	5.0	477.0	52.0	27.0	12.0	25.0
2.5	8.0	15.0	114.0	5.0	13.0	98.0			
47101-202		5.0	0.5	0.5	17.1	35.0	22.0	96.0	2.5
28.0	70.0	0.7	1.0	239.0	60.0	137.0	25.0	1.0	2.0
2.5	16.0	10.0	10.0	5.0	764.0	44.0	21.0	13.0	25.0
2.5	10.0	15.0	64.0	5.0	18.0	146.0			
47101-203		5.0	0.5	0.5	19.5	25.0	15.0	105.0	2.5
26.0	69.0	1.0	1.0	2628.0	28.0	139.0	25.0	1.0	2.0
2.5	14.0	10.0	10.0	5.0	229.0	69.0	34.0	13.0	25.0
2.5	11.0	15.0	72.0	5.0	22.0	228.0			
47101-204		5.0	0.5	1.0	16.8	29.0	13.0	105.0	2.5
25.0	70.0	0.7	0.5	213.0	44.0	117.0	25.0	1.0	2.0
2.5	15.0	10.0	10.0	5.0	330.0	46.0	22.0	12.0	25.0
2.5	10.0	15.0	62.0	5.0	16.0	124.0			
47101-205		5.0	6.0	60.0	15.6	33.0	14.0	90.0	2.5
29.0	64.0	0.8	0.5	1511.0	37.0	218.0	25.0	1.0	2.0
2.5	11.0	10.0	10.0	5.0	336.0	57.0	26.0	12.0	25.0
2.5	12.0	15.0	59.0	5.0	25.0	173.0			
47101-206		5.0	0.5	12.0	12.8	22.0	12.0	97.0	2.5
20.0	50.0	0.9	0.5	764.0	40.0	126.0	25.0	1.0	2.0
2.5	16.0	10.0	10.0	5.0	269.0	51.0	28.0	13.0	134.0
2.5	12.0	15.0	89.0	5.0	21.0	180.0			
47101-208		5.0	0.5	5.0	21.3	36.0	41.0	412.0	2.5
23.0	56.0	0.3	2.0	557.0	33.0	211.0	25.0	1.0	2.0
2.5	18.0	10.0	10.0	5.0	394.0	40.0	24.0	11.0	108.0
2.5	12.0	15.0	84.0	5.0	19.0	133.0			
47101-209		5.0	0.5	0.5	31.9	32.0	47.0	146.0	2.5
24.0	45.0	0.3	0.5	241.0	52.0	233.0	25.0	1.0	2.0
7.0	21.0	10.0	10.0	5.0	379.0	45.0	30.0	14.0	103.0
2.5	14.0	15.0	100.0	5.0	24.0	163.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-210		5.0	0.5	0.5	27.6	19.0	21.0	49.0	2.5
9.0	20.0	0.3	0.5	145.0	30.0	59.0	25.0	1.0	2.0
2.5	16.0	10.0	10.0	5.0	212.0	42.0	26.0	21.0	194.0
2.5	6.0	15.0	53.0	5.0	47.0	169.0			
47101-211		5.0	0.5	0.5	22.7	10.0	19.0	38.0	2.5
7.0	17.0	0.3	0.5	105.0	35.0	37.0	25.0	1.0	2.0
2.5	18.0	10.0	10.0	5.0	273.0	45.0	27.0	20.0	106.0
2.5	5.0	15.0	60.0	5.0	31.0	156.0			
47101-212		5.0	0.5	0.5	99.8	48.0	5.0	177.0	2.5
76.0	281.0	1.3	0.5	15508.0	20.0	266.0	25.0	1.0	2.0
6.0	39.0	10.0	10.0	5.0	380.0	40.0	27.0	11.0	116.0
2.5	26.0	46.0	102.0	5.0	31.0	76.0			
47101-215		5.0	0.5	2.0	20.2	53.0	36.0	126.0	6.0
24.0	64.0	0.3	1.0	430.0	70.0	94.0	25.0	1.0	2.0
2.5	19.0	10.0	10.0	5.0	635.0	56.0	28.0	9.0	145.0
12.0	9.0	15.0	119.0	5.0	12.0	87.0			
47101-218		5.0	0.5	0.5	30.6	28.0	21.0	103.0	2.5
18.0	49.0	0.7	0.5	294.0	45.0	99.0	25.0	1.0	2.0
2.5	18.0	10.0	10.0	5.0	391.0	64.0	31.0	10.0	126.0
2.5	12.0	15.0	106.0	5.0	18.0	128.0			
47101-219		5.0	0.5	0.5	20.3	28.0	26.0	115.0	2.5
18.0	40.0	0.3	0.5	331.0	49.0	113.0	25.0	1.0	2.0
2.5	19.0	10.0	10.0	5.0	435.0	53.0	29.0	10.0	132.0
2.5	11.0	15.0	102.0	5.0	17.0	130.0			
47101-220		5.0	0.5	0.5	26.8	25.0	30.0	96.0	2.5
17.0	52.0	0.7	1.0	270.0	44.0	89.0	25.0	1.0	2.0
2.5	19.0	10.0	10.0	5.0	386.0	67.0	33.0	10.0	139.0
10.0	11.0	15.0	94.0	5.0	17.0	124.0			
47101-222		5.0	3.0	6.0	21.5	74.0	5.0	133.0	2.5
30.5	138.0	0.3	2.0	11796.0	8.0	238.0	25.0	1.0	2.0
28.0	10.0	10.0	10.0	18.0	46.0	16.5	21.0	0.5	25.0
2.5	35.0	15.0	147.0	5.0	46.0	76.0			
47101-223		5.0	3.0	7.0	18.6	29.0	5.0	124.0	2.5
22.0	126.0	0.3	1.0	5541.0	12.0	188.5	25.0	1.0	4.5
12.0	9.5	10.0	10.0	5.0	96.0	14.0	16.0	2.5	25.0
2.5	28.0	15.0	177.0	5.0	41.0	42.0			
47101-224		5.0	4.0	6.0	19.0	58.0	5.0	192.0	2.5
36.5	174.0	0.4	0.5	19003.0	14.0	201.0	25.0	1.0	4.3
10.0	17.0	10.0	10.0	5.0	71.0	14.0	16.0	4.5	25.0
2.5	28.0	17.0	144.0	5.0	37.0	23.0			
47101-225		5.0	5.0	5.0	22.5	49.0	5.0	92.0	2.5
19.5	81.0	0.3	0.5	1340.0	15.0	163.5	25.0	1.0	4.0
2.5	8.5	10.0	10.0	5.0	96.0	11.0	14.0	3.0	25.0
2.5	29.0	15.0	183.0	5.0	35.0	29.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-226		5.0	0.5	2.0	16.8	34.0	9.0	143.0	2.5
16.0	139.0	0.0	0.5	2132.0	21.0	147.5	25.0	1.0	2.0
7.0	8.5	10.0	10.0	5.0	475.0	14.0	20.0	4.0	88.0
2.5	25.0	15.0	206.0	5.0	27.0	84.0			
47101-227		5.0	0.5	0.5	20.2	78.0	7.5	133.0	2.5
18.5	116.0	0.3	1.0	3444.0	33.0	148.0	25.0	1.0	2.0
2.5	11.0	10.0	10.0	5.0	359.0	14.5	20.0	3.5	25.0
2.5	27.0	15.0	164.0	11.0	29.0	69.0			
47101-228		5.0	0.5	0.5	21.7	44.0	12.0	97.0	2.5
32.0	147.0	0.3	0.5	905.0	29.0	241.0	25.0	1.0	2.0
2.5	17.0	10.0	10.0	5.0	244.0	22.0	16.0	6.0	25.0
2.5	20.0	15.0	175.0	5.0	22.0	39.0			
47101-229		5.0	0.5	2.0	14.2	26.0	5.0	171.0	2.5
13.0	67.0	0.3	0.5	857.0	23.0	180.0	25.0	1.0	4.3
20.0	3.5	10.0	10.0	5.0	154.0	10.0	15.0	0.5	25.0
2.5	41.0	15.0	112.0	5.0	23.0	127.0			
47101-230		5.0	0.5	0.5	19.2	18.0	15.0	87.0	2.5
20.0	50.0	0.8	0.5	329.0	37.0	129.0	25.0	1.0	2.0
2.5	13.0	10.0	10.0	5.0	334.0	39.0	19.0	8.0	25.0
2.5	14.0	15.0	105.0	5.0	18.0	109.0			
47101-231		5.0	0.5	0.5	17.7	23.0	17.0	103.0	2.5
25.0	73.0	1.0	0.5	314.0	43.0	147.0	25.0	1.0	2.0
2.5	18.0	10.0	10.0	5.0	331.0	40.0	19.0	10.0	57.0
2.5	13.0	15.0	135.0	5.0	18.0	100.0			
47101-232		5.0	1.0	0.5	15.7	22.0	19.0	111.0	2.5
25.0	67.0	1.0	1.0	604.0	41.0	178.0	25.0	1.0	2.0
2.5	18.0	10.0	10.0	5.0	334.0	42.0	20.0	9.0	25.0
2.5	17.0	15.0	130.0	5.0	20.0	107.0			
47101-233		5.0	2.0	12.0	18.7	39.0	5.0	122.0	2.5
21.5	196.0	0.3	0.5	5408.0	18.0	175.5	25.0	1.0	4.3
7.0	9.0	10.0	10.0	5.0	179.0	13.0	17.0	3.5	25.0
2.5	29.0	15.0	173.0	5.0	34.0	65.0			
47101-234		5.0	0.5	0.5	47.7	21.0	22.0	75.0	2.5
20.0	58.0	0.3	0.5	637.0	49.0	106.0	25.0	1.0	2.0
2.5	17.0	10.0	10.0	5.0	261.0	39.0	23.0	9.0	125.0
2.5	10.0	15.0	75.0	5.0	17.0	121.0			
47101-235		5.0	0.5	0.5	35.9	23.0	24.0	76.0	2.5
21.0	65.0	0.3	0.5	956.0	45.0	87.0	25.0	1.0	2.0
2.5	15.0	10.0	10.0	5.0	300.0	51.0	26.0	9.0	106.0
2.5	9.0	15.0	64.0	5.0	16.0	151.0			
47101-236		5.0	0.5	0.5	40.6	21.0	18.0	72.0	2.5
19.0	60.0	0.3	0.5	169.0	50.0	86.0	25.0	1.0	2.0
2.5	17.0	10.0	10.0	5.0	341.0	46.0	26.0	9.0	115.0
2.5	10.0	15.0	79.0	5.0	16.0	114.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-237		5.0	0.5	0.5	40.7	21.0	21.0	97.0	2.5
32.0	74.0	0.3	0.5	190.0	55.0	98.0	25.0	1.0	2.0
2.5	20.0	10.0	10.0	5.0	395.0	63.0	29.0	10.0	147.0
2.5	11.0	15.0	66.0	5.0	19.0	134.0			
47101-238		5.0	1.0	2.0	34.2	16.0	13.0	66.0	2.5
15.0	45.0	0.3	0.5	521.0	40.0	78.0	25.0	1.0	2.0
2.5	15.0	10.0	10.0	5.0	250.0	49.0	29.0	9.0	91.0
2.5	8.0	15.0	66.0	5.0	14.0	139.0			
47101-242		5.0	0.5	0.5	20.8	20.0	21.0	78.0	2.5
17.0	61.0	1.1	0.5	316.0	56.0	84.0	25.0	1.0	2.0
2.5	15.0	10.0	10.0	5.0	331.0	46.0	21.0	10.0	121.0
2.5	9.0	15.0	57.0	5.0	15.0	133.0			
47101-243		5.0	0.5	0.5	39.0	23.0	26.0	85.0	2.5
24.0	67.0	1.2	0.5	1614.0	47.0	93.0	25.0	1.0	2.0
2.5	15.0	10.0	10.0	5.0	287.0	49.0	23.0	9.0	149.0
2.5	9.0	15.0	60.0	5.0	16.0	125.0			
47101-244		5.0	0.5	0.5	35.5	17.0	22.0	88.0	2.5
18.0	65.0	0.7	0.5	464.0	52.0	80.0	25.0	1.0	2.0
2.5	15.0	10.0	10.0	5.0	312.0	50.0	23.0	9.0	97.0
2.5	9.0	15.0	60.0	5.0	14.0	124.0			
47101-245		5.0	0.5	2.0	36.3	22.0	22.0	82.0	2.5
18.0	60.0	0.8	0.5	255.0	59.0	78.0	25.0	1.0	2.0
2.5	15.0	10.0	10.0	5.0	333.0	51.0	24.0	9.0	198.0
2.5	9.0	15.0	61.0	5.0	15.0	120.0			
47101-246		5.0	0.5	0.5	39.1	14.0	19.0	57.0	2.5
13.0	50.0	0.8	0.5	303.0	45.0	70.0	25.0	1.0	2.0
2.5	14.0	10.0	10.0	5.0	317.0	47.0	24.0	8.0	70.0
2.5	9.0	15.0	58.0	5.0	15.0	126.0			
47101-247		5.0	0.5	0.5	33.9	19.0	22.0	81.0	2.5
19.0	64.0	0.9	0.5	318.0	57.0	87.0	25.0	1.0	2.0
2.5	16.0	10.0	10.0	5.0	342.0	63.0	29.0	9.0	115.0
2.5	10.0	15.0	65.0	5.0	17.0	141.0			
47101-248		5.0	0.5	0.5	15.9	13.0	5.5	147.0	2.5
14.0	112.0	0.3	0.5	3216.0	40.0	129.0	25.0	1.0	2.0
12.0	9.5	10.0	10.0	5.0	285.0	21.0	23.0	6.0	25.0
2.5	19.0	15.0	140.0	5.0	22.0	169.0			
47101-249		5.0	0.5	0.5	30.9	15.0	21.0	91.0	2.5
20.0	52.0	1.2	0.5	495.0	49.0	109.0	25.0	1.0	2.0
2.5	18.0	10.0	10.0	5.0	358.0	59.0	29.0	11.0	66.0
2.5	12.0	15.0	107.0	5.0	24.0	149.0			
47101-250		5.0	0.5	0.5	32.6	26.0	23.0	94.0	2.5
27.0	79.0	1.0	0.5	204.0	80.0	123.0	25.0	1.0	2.0
2.5	19.0	10.0	10.0	5.0	522.0	64.0	30.0	11.0	125.0
2.5	13.0	15.0	86.0	5.0	22.0	143.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-252		5.0	0.5	3.0	21.3	14.0	5.0	150.0	2.5
9.0	46.0	0.3	0.5	1496.0	20.0	175.5	25.0	1.0	2.0
16.0	6.5	10.0	10.0	5.0	173.0	14.0	15.0	0.5	57.0
2.5	21.0	15.0	86.0	5.0	19.0	107.0			
47101-253		5.0	0.5	1.0	19.9	28.0	7.0	307.0	2.5
22.5	92.0	0.4	1.0	1616.0	28.0	316.5	25.0	1.0	2.0
2.5	9.0	10.0	10.0	5.0	170.0	14.5	18.0	0.5	25.0
2.5	47.0	19.0	193.0	5.0	29.0	142.0			
47101-254		5.0	1.0	5.0	18.3	26.0	6.0	122.0	2.5
15.0	71.0	0.3	0.5	1015.0	20.0	145.0	25.0	1.0	2.0
2.5	8.5	10.0	10.0	5.0	163.0	15.0	17.0	2.5	25.0
2.5	28.0	15.0	149.0	5.0	31.0	82.0			
47101-255		5.0	0.5	0.5	19.2	17.0	5.0	536.0	2.5
26.5	127.0	1.1	2.0	2698.0	27.0	584.5	25.0	1.0	2.0
2.5	12.0	10.0	10.0	5.0	113.0	15.0	21.0	1.0	25.0
2.5	33.0	15.0	224.0	5.0	25.0	120.0			
47101-256		5.0	0.5	0.5	21.9	11.0	5.0	687.0	2.5
34.5	140.0	3.1	2.0	1540.0	25.0	688.0	25.0	1.0	2.0
2.5	15.0	10.0	10.0	5.0	146.0	21.0	23.0	6.5	25.0
2.5	36.0	38.5	297.0	5.0	21.0	140.0			
47101-257		11.0	3.0	2.0	13.9	21.0	8.0	128.0	2.5
11.5	66.0	0.3	0.5	597.0	34.0	143.5	25.0	1.0	2.0
6.0	7.5	10.0	10.0	5.0	239.0	15.5	20.0	3.0	25.0
2.5	25.0	15.0	120.0	5.0	23.0	109.0			
47101-258		5.0	0.5	0.5	18.0	26.0	19.0	100.0	2.5
25.0	67.0	1.1	0.5	279.0	41.0	156.0	25.0	1.0	2.0
2.5	17.0	10.0	10.0	5.0	245.0	42.0	21.0	9.0	25.0
2.5	18.0	4.0	105.0	5.0	22.0	83.0			
47101-259		5.0	0.5	0.5	16.9	23.0	5.5	121.0	2.5
12.0	60.0	0.3	0.5	810.0	26.0	145.5	25.0	1.0	2.0
2.5	8.5	10.0	10.0	5.0	197.0	18.0	22.0	3.5	25.0
2.5	30.0	15.0	116.0	5.0	26.0	114.0			
47101-260		5.0	1.0	0.5	12.5	22.0	17.0	116.0	2.5
26.0	78.0	1.2	1.0	384.0	42.0	151.0	25.0	1.0	2.0
2.5	20.0	10.0	10.0	5.0	356.0	41.0	23.0	10.0	91.0
2.5	15.0	15.0	116.0	5.0	21.0	93.0			
47101-265		15.0	9.0	18.0	12.1	28.0	20.0	117.0	2.5
27.0	56.0	1.0	0.5	358.0	53.0	193.0	25.0	1.0	2.0
2.5	20.0	10.0	10.0	5.0	325.0	47.0	22.0	8.0	25.0
2.5	19.0	15.0	113.0	5.0	22.0	77.0			
47101-266		5.0	1.0	2.0	25.6	48.0	10.0	78.0	2.5
34.0	52.0	0.3	0.5	1514.0	17.0	371.0	25.0	1.0	2.0
2.5	25.0	10.0	10.0	5.0	329.0	25.0	10.0	0.5	25.0
2.5	28.0	15.0	193.0	5.0	33.0	30.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-267		5.0	0.5	0.5	27.8	53.0	11.0	71.0	2.5
29.0	53.0	0.3	1.0	330.0	17.0	304.0	25.0	1.0	2.0
2.5	21.0	10.0	10.0	5.0	107.0	23.0	10.0	1.0	25.0
2.5	28.0	15.0	173.0	5.0	29.0	24.0			
47101-268		5.0	122.0	132.0	20.8	59.0	5.0	87.0	2.5
42.0	56.0	0.3	0.5	3580.0	12.0	452.0	25.0	1.0	2.0
2.5	26.0	10.0	10.0	5.0	495.0	28.0	10.0	0.5	25.0
2.5	27.0	15.0	187.0	5.0	33.0	62.0			
47101-269		5.0	0.5	0.5	23.5	33.0	5.0	158.0	2.5
21.0	67.0	0.3	0.5	8449.0	12.0	298.0	25.0	1.0	2.0
20.0	14.5	10.0	10.0	5.0	143.0	12.0	12.0	0.5	25.0
2.5	28.0	15.0	228.0	5.0	33.0	77.0			
47101-270		5.0	4.0	96.0	17.1	20.0	5.0	97.0	2.5
31.0	48.0	0.3	1.0	5509.0	10.0	345.0	25.0	1.0	2.0
2.5	29.0	10.0	10.0	5.0	68.0	30.0	10.0	0.5	25.0
2.5	27.0	15.0	211.0	5.0	33.0	27.0			
47101-271		5.0	3.0	4.0	18.1	20.0	5.0	104.0	2.5
34.0	48.0	0.3	1.0	6229.0	12.0	364.0	25.0	1.0	2.0
2.5	31.0	10.0	10.0	5.0	102.0	33.0	11.0	0.5	73.0
2.5	25.0	15.0	210.0	5.0	33.0	29.0			
47101-272		5.0	3.0	4.0	16.8	20.0	5.0	111.0	2.5
36.0	49.0	0.3	1.0	7684.0	9.0	354.0	25.0	1.0	2.0
5.0	32.0	10.0	10.0	5.0	277.0	30.0	10.0	0.5	60.0
2.5	25.0	15.0	206.0	5.0	31.0	22.0			
47101-273		4.5	4.5	4.5	27.1	78.0	5.0	376.0	2.5
79.5	161.0	1.1	0.5	20000.0	9.0	295.5	25.0	1.0	2.0
38.0	38.0	10.0	10.0	5.0	50.0	19.0	17.0	2.0	25.0
94.5	22.0	15.0	126.0	5.0	26.0	33.0			
47101-274		5.0	0.5	0.5	28.2	18.0	5.0	118.0	2.5
37.0	55.0	0.3	0.5	11062.0	8.0	399.0	25.0	1.0	2.0
6.0	41.0	10.0	10.0	5.0	53.0	33.0	9.0	0.5	25.0
2.5	24.0	15.0	218.0	5.0	31.0	36.0			
47101-275		5.0	0.5	0.5	27.9	80.0	5.0	122.0	2.5
63.0	78.0	0.3	0.5	9028.0	13.0	394.0	25.0	1.0	2.0
2.5	33.0	10.0	10.0	5.0	51.0	29.0	11.0	0.5	25.0
2.5	36.0	15.0	190.0	5.0	38.0	23.0			
47101-276		5.0	1.0	0.5	26.9	38.0	5.0	150.0	2.5
48.0	77.0	0.3	0.5	11085.0	16.0	377.0	25.0	1.0	2.0
2.5	35.0	10.0	10.0	5.0	72.0	31.0	13.0	0.5	25.0
2.5	31.0	15.0	176.0	5.0	36.0	46.0			
47101-277		5.0	0.5	0.5	27.6	34.0	5.0	99.0	2.5
33.0	58.0	0.3	0.5	3873.0	13.0	381.0	25.0	1.0	2.0
6.0	31.0	10.0	10.0	5.0	53.0	32.0	11.0	0.5	25.0
2.5	33.0	15.0	199.0	5.0	40.0	29.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-278		5.0	2.0	3.0	24.4	88.0	5.0	94.0	2.5
62.0	66.0	0.3	0.5	3765.0	13.0	354.0	25.0	1.0	2.0
2.5	27.0	10.0	10.0	5.0	45.0	26.0	10.0	0.5	25.0
2.5	33.0	15.0	188.0	5.0	35.0	22.0			
47101-279		5.0	0.5	1.0	24.7	61.0	5.0	140.0	2.5
59.0	134.0	0.7	0.5	10741.0	21.0	308.0	25.0	1.0	2.0
2.5	30.0	10.0	10.0	5.0	128.0	29.0	15.0	4.0	25.0
2.5	26.0	15.0	141.0	5.0	29.0	31.0			
47101-280		5.0	2.0	0.5	32.5	108.0	5.0	168.0	2.5
79.0	125.0	0.5	0.5	12702.0	14.0	361.0	25.0	1.0	2.0
7.0	33.0	10.0	10.0	5.0	191.0	26.0	11.0	2.0	25.0
2.5	27.0	15.0	156.0	5.0	30.0	26.0			
47101-281		5.0	0.5	0.5	29.3	95.0	5.0	219.0	2.5
88.0	111.0	0.6	2.0	17320.0	16.0	377.0	25.0	1.0	2.0
6.0	38.0	10.0	10.0	5.0	722.0	27.0	14.0	2.0	51.0
2.5	33.0	45.0	181.0	11.0	32.0	25.0			
47101-282		5.0	4.0	3.0	25.1	120.0	5.0	85.0	2.5
33.5	72.0	0.3	0.5	772.0	14.0	181.5	25.0	1.0	2.0
2.5	12.0	10.0	10.0	5.0	49.0	12.5	10.0	0.5	25.0
2.5	30.0	15.0	179.0	5.0	34.0	22.0			
47101-283		5.0	4.0	1.0	29.3	43.0	5.0	73.0	2.5
30.0	50.0	0.3	0.5	1772.0	11.0	385.0	25.0	1.0	2.0
2.5	28.0	10.0	10.0	5.0	67.0	34.0	12.0	0.5	25.0
2.5	31.0	15.0	212.0	5.0	39.0	36.0			
47101-285		5.0	0.5	0.5	20.6	27.0	8.5	148.0	2.5
14.5	82.0	0.3	1.0	545.0	26.0	170.0	25.0	1.0	2.0
6.0	8.0	10.0	10.0	5.0	409.0	15.0	19.0	0.5	86.0
2.5	30.0	18.5	216.0	5.0	27.0	106.0			
47101-286		5.0	0.5	0.5	15.3	35.0	20.0	124.0	2.5
26.0	67.0	0.8	0.5	538.0	32.0	210.0	25.0	1.0	2.0
2.5	20.0	10.0	10.0	5.0	379.0	41.0	21.0	8.0	25.0
2.5	22.0	15.0	137.0	5.0	23.0	88.0			
47101-287		5.0	5.0	1.0	21.1	91.0	14.0	180.0	2.5
16.5	81.0	0.3	0.5	757.0	31.0	168.0	25.0	1.0	2.0
9.0	9.0	10.0	10.0	5.0	1190.0	18.0	21.0	1.0	25.0
2.5	20.0	15.0	259.0	5.0	27.0	98.0			
47101-288		5.0	0.5	2.0	22.9	52.0	13.5	183.0	2.5
15.5	80.0	0.3	0.5	395.0	35.0	158.5	25.0	1.0	2.0
10.0	8.5	10.0	10.0	5.0	915.0	20.0	23.0	1.0	25.0
2.5	20.0	15.0	255.0	5.0	25.0	120.0			
47101-289		5.0	0.5	0.5	22.7	46.0	5.0	249.0	2.5
41.0	173.0	0.5	0.5	20000.0	18.0	202.0	25.0	1.0	2.0
15.0	22.0	10.0	10.0	5.0	684.0	14.5	18.0	3.0	25.0
2.5	22.0	15.0	121.0	5.0	28.0	29.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-292		5.0	4.0	0.5	18.5	58.0	5.0	148.0	2.5
53.0	135.0	0.8	0.5	9275.0	24.0	292.0	25.0	1.0	2.0
2.5	26.0	10.0	10.0	5.0	146.0	25.0	13.0	6.0	25.0
2.5	24.0	15.0	112.0	5.0	24.0	23.0			
47101-293		5.0	2.0	0.5	21.2	32.0	5.0	157.0	2.5
56.0	163.0	0.7	0.5	12136.0	13.0	321.0	25.0	1.0	2.0
2.5	30.0	10.0	10.0	5.0	90.0	27.0	14.0	4.0	25.0
2.5	25.0	15.0	142.0	5.0	31.0	23.0			
47101-294		5.0	0.5	0.5	20.0	34.0	5.0	379.0	2.5
57.0	182.0	1.2	0.5	20000.0	13.0	240.0	54.0	1.0	2.0
29.0	33.0	10.0	10.0	10.0	71.0	19.5	21.0	4.5	25.0
52.5	24.0	15.0	127.0	5.0	31.0	26.0			
47101-295		4.5	4.5	4.5	19.6	39.0	5.0	192.0	2.5
32.0	175.0	0.3	0.5	16277.0	13.0	191.0	25.0	1.0	2.0
8.0	17.0	10.0	10.0	5.0	81.0	18.0	19.0	3.0	25.0
2.5	36.0	15.0	163.0	5.0	41.0	43.0			
47101-298		5.0	7.0	13.0	8.5	55.0	5.0	180.0	2.5
65.0	148.0	1.3	0.5	14008.0	25.0	311.0	25.0	1.0	2.0
2.5	32.0	10.0	10.0	5.0	131.0	28.0	15.0	7.0	87.0
2.5	23.0	15.0	111.0	5.0	24.0	23.0			
47101-299		5.0	2.0	0.5	17.1	46.0	5.0	205.0	2.5
36.5	127.0	0.3	1.0	17693.0	18.0	201.0	25.0	1.0	2.0
13.0	18.0	10.0	10.0	5.0	169.0	20.0	21.0	2.5	25.0
2.5	29.0	15.0	136.0	5.0	39.0	40.0			
47101-300		5.0	0.5	0.5	16.5	33.0	22.0	96.0	2.5
22.0	66.0	0.9	0.5	275.0	30.0	123.0	25.0	1.0	2.0
2.5	19.0	10.0	10.0	5.0	373.0	44.0	23.0	8.0	74.0
2.5	14.0	15.0	94.0	5.0	21.0	80.0			
47101-301		5.0	2.0	1.0	25.0	27.0	5.0	117.0	2.5
16.5	56.0	0.3	0.5	5146.0	20.0	182.5	25.0	1.0	2.0
10.0	12.0	10.0	10.0	5.0	63.0	14.0	17.0	0.5	25.0
2.5	29.0	15.0	190.0	5.0	43.0	40.0			
47101-302		5.0	4.0	2.0	21.1	45.0	5.0	145.0	2.5
24.0	69.0	0.3	0.5	9370.0	19.0	174.0	25.0	1.0	2.0
6.0	12.5	10.0	10.0	5.0	89.0	12.5	16.0	0.5	25.0
2.5	27.0	15.0	141.0	5.0	35.0	30.0			
47101-303		5.0	0.5	0.5	22.3	30.0	5.0	109.0	2.5
34.0	76.0	0.3	0.5	3703.0	18.0	277.0	25.0	1.0	2.0
7.0	22.0	10.0	10.0	5.0	122.0	30.0	17.0	4.0	25.0
2.5	25.0	15.0	145.0	5.0	31.0	68.0			
47101-304		5.0	0.5	0.5	21.0	30.0	12.0	112.0	2.5
32.0	58.0	0.3	1.0	2358.0	21.0	272.0	25.0	1.0	2.0
2.5	20.0	10.0	10.0	5.0	137.0	21.0	16.0	2.0	25.0
2.5	16.0	34.0	159.0	5.0	21.0	38.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-305		5.0	0.5	0.5	23.3	53.0	5.0	182.0	2.5
32.5	78.0	0.3	1.0	15375.0	16.0	224.5	25.0	1.0	2.0
23.0	14.5	10.0	10.0	5.0	70.0	10.5	16.0	0.5	25.0
2.5	20.0	18.0	133.0	5.0	26.0	22.0			
47101-306		5.0	0.5	0.5	19.6	17.0	5.0	103.0	2.5
14.5	44.0	0.3	0.5	1976.0	16.0	149.0	25.0	1.0	2.0
2.5	11.0	10.0	10.0	5.0	61.0	9.5	10.0	0.5	25.0
2.5	21.0	15.0	160.0	5.0	26.0	19.0			
47101-307		5.0	0.5	0.5	14.5	34.0	5.0	168.0	6.0
24.5	69.0	0.3	0.5	9805.0	18.0	170.0	25.0	1.0	2.0
6.0	13.0	10.0	10.0	5.0	142.0	10.0	16.0	0.5	25.0
2.5	19.0	15.0	134.0	5.0	24.0	22.0			
47101-308		5.0	0.5	0.5	20.9	52.0	5.5	94.0	2.5
19.5	54.0	0.3	0.5	2371.0	13.0	151.5	25.0	1.0	2.0
2.5	10.5	10.0	10.0	5.0	170.0	10.0	16.0	0.5	25.0
2.5	22.0	15.0	145.0	5.0	26.0	18.0			
47101-309		5.0	0.5	0.5	19.1	36.0	12.0	79.0	2.5
27.0	43.0	0.3	0.5	610.0	16.0	303.0	25.0	1.0	2.0
2.5	19.0	10.0	10.0	5.0	57.0	15.0	11.0	0.5	25.0
2.5	19.0	15.0	156.0	5.0	23.0	16.0			
47101-310		5.0	7.0	10.0	20.8	44.0	10.0	72.0	2.5
29.0	48.0	0.3	0.5	497.0	15.0	281.0	25.0	1.0	2.0
2.5	19.0	10.0	10.0	5.0	92.0	17.0	13.0	1.0	25.0
2.5	15.0	15.0	136.0	5.0	18.0	21.0			
47101-311		5.0	0.5	0.5	15.4	43.0	5.0	88.0	2.5
16.0	46.0	0.3	0.5	2472.0	13.0	165.0	25.0	1.0	2.0
7.0	9.5	10.0	10.0	5.0	47.0	7.0	11.0	0.5	25.0
2.5	19.0	16.5	158.0	5.0	22.0	15.0			
47101-312		5.0	0.5	0.5	24.9	32.0	5.0	100.0	2.5
15.5	54.0	0.3	0.5	2819.0	19.0	152.0	25.0	1.0	2.0
2.5	10.0	10.0	10.0	5.0	123.0	8.0	13.0	0.5	25.0
2.5	15.0	15.0	151.0	5.0	19.0	25.0			
47101-313		5.0	0.5	0.5	23.3	23.0	5.0	127.0	2.5
32.0	95.0	0.3	0.5	929.0	38.0	254.0	25.0	1.0	2.0
2.5	19.0	10.0	10.0	5.0	177.0	19.0	14.0	4.0	25.0
2.5	10.0	15.0	162.0	5.0	14.0	43.0			
47101-314		17.0	5.0	7.0	11.0	18.0	5.0	298.0	2.5
37.0	78.0	0.3	2.0	20000.0	12.0	230.5	25.0	1.0	2.0
34.0	20.5	10.0	10.0	5.0	88.0	15.5	20.0	0.5	88.0
2.5	26.0	15.0	146.0	5.0	35.0	35.0			
47101-314		5.0	0.5	0.5	19.6	66.0	5.0	70.0	2.5
41.0	48.0	0.3	0.5	1998.0	11.0	378.0	25.0	1.0	2.0
2.5	20.0	10.0	10.0	5.0	987.0	17.0	12.0	0.5	25.0
2.5	18.0	15.0	187.0	5.0	21.0	17.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-315		5.0	3.0	3.0	11.6	22.0	12.0	84.0	2.5
30.0	48.0	0.3	0.5	889.0	14.0	287.0	25.0	1.0	2.0
2.5	21.0	10.0	10.0	5.0	103.0	28.0	13.0	3.0	87.0
2.5	24.0	31.0	149.0	5.0	31.0	26.0			
47101-316		5.0	2.0	3.0	12.2	20.0	5.0	84.0	2.5
23.0	46.0	0.3	0.5	421.0	23.0	218.0	25.0	1.0	2.0
2.5	17.0	10.0	10.0	5.0	141.0	22.0	12.0	4.0	25.0
2.5	18.0	15.0	141.0	5.0	22.0	32.0			
47101-317		5.0	2.0	2.0	11.3	30.0	15.0	101.0	2.5
25.0	55.0	0.6	0.5	502.0	34.0	201.0	25.0	1.0	2.0
2.5	18.0	10.0	10.0	5.0	189.0	24.0	14.0	7.0	81.0
2.5	17.0	35.0	120.0	5.0	21.0	49.0			
47101-318		5.0	0.5	0.5	23.1	49.0	5.0	91.0	2.5
19.5	55.0	0.3	0.5	2809.0	15.0	165.5	25.0	1.0	2.0
2.5	11.0	10.0	10.0	5.0	258.0	8.5	14.0	0.5	25.0
2.5	19.0	15.0	177.0	5.0	23.0	23.0			
47101-320		5.0	0.5	0.5	30.7	61.0	5.0	61.0	2.5
36.0	44.0	0.3	2.0	1504.0	10.0	421.0	25.0	1.0	2.0
2.5	21.0	10.0	10.0	5.0	79.0	21.0	12.0	0.5	25.0
2.5	20.0	15.0	187.0	5.0	24.0	27.0			
47101-321		5.0	0.5	0.5	15.4	77.0	5.0	66.0	2.5
35.0	49.0	0.3	0.5	838.0	12.0	364.0	25.0	1.0	2.0
2.5	21.0	10.0	10.0	11.0	101.0	17.0	12.0	0.5	25.0
2.5	20.0	15.0	178.0	5.0	22.0	28.0			
47101-322		5.0	0.5	0.5	20.3	39.0	68.0	64.0	2.5
26.0	47.0	0.3	0.5	390.0	10.0	321.0	25.0	1.0	2.0
2.5	22.0	10.0	10.0	5.0	68.0	19.0	10.0	0.5	25.0
2.5	19.0	15.0	192.0	5.0	22.0	19.0			
47101-323		5.0	0.5	0.5	22.9	46.0	11.0	71.0	2.5
34.0	50.0	0.3	0.5	608.0	11.0	309.0	25.0	1.0	2.0
2.5	20.0	10.0	10.0	5.0	74.0	19.0	11.0	0.5	25.0
2.5	23.0	15.0	169.0	5.0	23.0	17.0			
47101-324		5.0	0.5	0.5	19.0	48.0	5.0	68.0	2.5
35.0	51.0	0.3	0.5	651.0	11.0	330.0	25.0	1.0	2.0
2.5	23.0	10.0	10.0	5.0	63.0	20.0	10.0	0.5	25.0
2.5	18.0	15.0	174.0	5.0	21.0	18.0			
47101-325		5.0	6.0	5.0	17.9	87.0	5.0	67.0	2.5
49.0	50.0	0.3	0.5	1204.0	10.0	382.0	25.0	1.0	2.0
2.5	21.0	10.0	10.0	5.0	246.0	21.0	11.0	0.5	25.0
2.5	20.0	15.0	193.0	5.0	22.0	19.0			
47101-327		5.0	4.0	3.0	19.5	30.0	5.0	58.0	2.5
27.0	37.0	0.3	0.5	1402.0	6.0	392.0	25.0	1.0	2.0
2.5	30.0	10.0	10.0	5.0	56.0	33.0	7.0	0.5	25.0
2.5	20.0	15.0	215.0	5.0	29.0	32.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-329		5.0	4.0	5.0	22.1	58.0	5.0	66.0	2.5
47.0	40.0	0.3	1.0	459.0	10.0	398.0	25.0	1.0	2.0
2.5	23.0	10.0	10.0	11.0	115.0	30.0	10.0	0.5	71.0
2.5	22.0	15.0	214.0	5.0	30.0	39.0			
47101-330		5.0	0.5	0.5	20.8	66.0	5.0	56.0	2.5
37.0	43.0	0.3	0.5	967.0	10.0	429.0	25.0	1.0	2.0
2.5	23.0	10.0	10.0	5.0	86.0	23.0	12.0	0.5	25.0
2.5	20.0	15.0	188.0	5.0	25.0	38.0			
47101-331		5.0	0.5	0.5	21.4	35.0	5.0	70.0	2.5
27.0	51.0	0.3	0.5	695.0	15.0	311.0	25.0	1.0	2.0
2.5	21.0	10.0	10.0	5.0	102.0	19.0	11.0	0.5	25.0
2.5	21.0	15.0	184.0	5.0	23.0	20.0			
47101-332		5.0	0.5	0.5	20.0	29.0	5.0	67.0	2.5
25.0	51.0	0.3	0.5	448.0	15.0	298.0	25.0	1.0	2.0
2.5	21.0	10.0	10.0	5.0	110.0	17.0	11.0	0.5	25.0
2.5	17.0	15.0	170.0	5.0	20.0	18.0			
47101-333		5.0	0.5	0.5	23.1	37.0	5.0	56.0	2.5
25.0	44.0	0.3	0.5	677.0	12.0	341.0	25.0	1.0	2.0
2.5	23.0	10.0	10.0	5.0	109.0	22.0	11.0	0.5	25.0
2.5	22.0	15.0	190.0	5.0	26.0	22.0			
47101-334		5.0	0.5	0.5	19.9	97.0	5.0	66.0	2.5
42.0	44.0	0.3	0.5	220.0	13.0	371.0	25.0	1.0	2.0
2.5	21.0	10.0	10.0	5.0	70.0	21.0	12.0	0.5	25.0
2.5	19.0	15.0	199.0	5.0	23.0	31.0			
47101-335		5.0	0.5	0.5	19.0	81.0	5.0	71.0	2.5
33.0	54.0	0.3	2.0	186.0	10.0	266.0	25.0	1.0	2.0
2.5	18.0	10.0	10.0	5.0	44.0	13.0	8.0	0.5	25.0
2.5	20.0	15.0	135.0	5.0	18.0	10.0			
47101-336		5.0	0.5	0.5	21.2	95.0	5.0	55.0	2.5
38.0	44.0	0.3	0.5	202.0	7.0	296.0	25.0	1.0	2.0
2.5	20.0	10.0	10.0	5.0	34.0	13.0	8.0	0.5	25.0
2.5	21.0	15.0	132.0	5.0	20.0	13.0			
47101-337		5.0	0.5	0.5	24.0	86.0	5.0	77.0	2.5
35.0	54.0	0.3	0.5	199.0	10.0	269.0	25.0	1.0	2.0
2.5	19.0	10.0	10.0	5.0	43.0	14.0	8.0	2.0	25.0
2.5	23.0	43.0	128.0	5.0	19.0	13.0			
47101-338		5.0	0.5	0.5	19.3	100.0	5.0	75.0	2.5
60.0	57.0	0.3	1.0	199.0	14.0	330.0	25.0	1.0	2.0
2.5	19.0	10.0	10.0	5.0	60.0	17.0	11.0	0.5	25.0
2.5	18.0	15.0	177.0	5.0	20.0	17.0			
47101-339		5.0	0.5	0.5	15.0	84.0	13.0	63.0	2.5
39.0	43.0	0.3	1.0	212.0	15.0	396.0	25.0	1.0	2.0
2.5	21.0	10.0	10.0	5.0	99.0	20.0	13.0	0.5	25.0
2.5	18.0	15.0	194.0	5.0	22.0	20.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-340		5.0	0.5	0.5	19.4	92.0	5.0	79.0	2.5
36.0	40.0	0.3	1.0	168.0	18.0	356.0	25.0	1.0	2.0
2.5	21.0	10.0	10.0	5.0	98.0	20.0	14.0	1.0	25.0
2.5	17.0	15.0	206.0	5.0	21.0	20.0			
47101-341		5.0	0.5	0.5	18.8	91.0	5.0	77.0	2.5
33.0	42.0	0.3	0.5	181.0	17.0	344.0	25.0	1.0	2.0
2.5	20.0	10.0	10.0	5.0	102.0	20.0	13.0	2.0	25.0
2.5	17.0	15.0	199.0	5.0	21.0	22.0			
47101-342		5.0	0.5	0.5	19.5	82.0	5.0	104.0	2.5
34.0	53.0	0.3	0.5	202.0	21.0	300.0	25.0	1.0	2.0
2.5	19.0	10.0	10.0	5.0	76.0	13.0	10.0	1.0	25.0
2.5	20.0	15.0	152.0	5.0	19.0	15.0			
47101-343		5.0	183.0	0.5	18.8	137.0	5.0	81.0	2.5
67.0	49.0	0.3	1.0	267.0	10.0	404.0	25.0	1.0	2.0
2.5	25.0	10.0	10.0	5.0	45.0	22.0	10.0	0.5	25.0
2.5	23.0	15.0	158.0	5.0	27.0	13.0			
47101-344		5.0	4.0	5.0	19.6	102.0	5.0	92.0	2.5
49.0	63.0	0.3	0.5	1810.0	14.0	324.0	25.0	1.0	2.0
2.5	23.0	10.0	10.0	5.0	78.0	21.0	11.0	0.5	25.0
2.5	24.0	15.0	146.0	5.0	27.0	15.0			
47101-345		5.0	0.5	0.5	12.4	79.0	5.0	94.0	2.5
52.0	55.0	0.3	0.5	5501.0	10.0	403.0	25.0	1.0	2.0
2.5	30.0	10.0	10.0	5.0	83.0	27.0	13.0	0.5	25.0
2.5	27.0	15.0	156.0	5.0	35.0	19.0			
47101-346		5.0	0.5	0.5	29.1	161.0	5.0	142.0	2.5
87.0	78.0	0.3	0.5	11686.0	13.0	423.0	25.0	1.0	2.0
2.5	37.0	10.0	10.0	5.0	283.0	31.0	16.0	0.5	25.0
2.5	24.0	31.0	168.0	5.0	34.0	21.0			
47101-347		5.0	0.5	0.5	17.8	28.0	25.0	112.0	2.5
22.0	53.0	1.0	0.5	582.0	35.0	127.0	25.0	1.0	2.0
2.5	22.0	10.0	10.0	5.0	399.0	43.0	24.0	10.0	25.0
2.5	12.0	15.0	78.0	5.0	19.0	102.0			
47101-351		5.0	0.5	0.5	24.7	58.0	5.0	112.0	6.0
36.0	228.0	0.8	0.5	2828.0	30.0	189.0	25.0	1.0	2.0
2.5	19.0	10.0	10.0	5.0	269.0	29.0	19.0	7.0	25.0
2.5	22.0	15.0	108.0	5.0	20.0	47.0			
47101-352		5.0	2.0	29.0	26.6	147.0	5.0	60.0	2.5
58.0	43.0	0.3	2.0	476.0	13.0	444.0	25.0	1.0	2.0
2.5	23.0	10.0	10.0	5.0	69.0	29.0	15.0	0.5	25.0
2.5	28.0	15.0	176.0	5.0	37.0	30.0			
47101-353		5.0	10.0	118.0	23.6	90.0	5.0	58.0	2.5
38.0	39.0	0.3	0.5	294.0	14.0	435.0	25.0	1.0	2.0
2.5	22.0	10.0	10.0	5.0	51.0	28.0	14.0	0.5	25.0
2.5	34.0	31.0	160.0	5.0	38.0	38.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-354		5.0	2.0	0.5	24.6	72.0	5.0	63.0	2.5
31.0	42.0	0.3	1.0	260.0	12.0	379.0	25.0	1.0	2.0
2.5	23.0	10.0	10.0	5.0	51.0	22.0	11.0	0.5	25.0
2.5	28.0	15.0	148.0	5.0	35.0	20.0			
47101-355		5.0	5.0	5.0	24.4	91.0	5.0	59.0	2.5
39.0	34.0	0.3	2.0	316.0	12.0	453.0	25.0	1.0	2.0
2.5	23.0	10.0	10.0	5.0	47.0	27.0	8.0	0.5	57.0
2.5	33.0	34.0	172.0	5.0	37.0	35.0			
47101-356		5.0	6.0	8.0	21.4	115.0	5.0	50.0	2.5
57.0	36.0	0.3	1.0	467.0	9.0	517.0	25.0	1.0	2.0
2.5	21.0	10.0	10.0	5.0	60.0	33.0	18.0	0.5	25.0
2.5	33.0	15.0	170.0	5.0	41.0	42.0			
47101-357		5.0	3.0	3.0	26.2	103.0	5.0	67.0	2.5
45.0	40.0	0.3	0.5	176.0	13.0	416.0	25.0	1.0	2.0
2.5	22.0	10.0	10.0	5.0	57.0	27.0	14.0	0.5	25.0
2.5	32.0	15.0	160.0	5.0	38.0	26.0			
47101-358		5.0	1.0	0.5	22.8	103.0	5.0	84.0	2.5
42.0	50.0	0.3	0.5	167.0	20.0	328.0	25.0	1.0	2.0
2.5	20.0	10.0	10.0	5.0	97.0	21.0	14.0	0.5	25.0
2.5	25.0	15.0	177.0	5.0	26.0	24.0			
47101-359		5.0	0.5	0.5	25.3	80.0	5.0	95.0	2.5
35.0	48.0	0.3	0.5	140.0	25.0	278.0	25.0	1.0	2.0
2.5	19.0	10.0	10.0	5.0	140.0	19.0	15.0	3.0	25.0
2.5	20.0	15.0	167.0	5.0	21.0	26.0			
47101-361		5.0	0.5	11.0	20.7	129.0	5.0	65.0	2.5
62.0	41.0	0.3	3.0	588.0	13.0	537.0	25.0	1.0	2.0
2.5	20.0	10.0	10.0	5.0	61.0	27.0	8.0	0.5	25.0
2.5	36.0	15.0	167.0	5.0	34.0	23.0			
47101-362		5.0	41.0	616.0	23.4	111.0	5.0	77.0	2.5
46.0	43.0	0.3	1.0	247.0	19.0	352.0	25.0	1.0	2.0
2.5	19.0	10.0	10.0	5.0	110.0	25.0	18.0	2.0	25.0
2.5	21.0	31.0	201.0	5.0	25.0	43.0			
47101-363		5.0	1.0	0.5	30.4	84.0	5.0	80.0	2.5
49.0	57.0	0.3	0.5	2327.0	14.0	379.0	25.0	1.0	2.0
2.5	25.0	10.0	10.0	5.0	82.0	26.0	16.0	0.5	25.0
2.5	24.0	15.0	185.0	5.0	34.0	25.0			
47101-364		5.0	1.0	0.5	30.1	68.0	5.0	77.0	2.5
57.0	52.0	0.3	2.0	4678.0	9.0	509.0	25.0	1.0	2.0
2.5	27.0	10.0	10.0	5.0	53.0	37.0	21.0	0.5	25.0
2.5	34.0	15.0	185.0	5.0	46.0	44.0			
47101-365		5.0	7.0	2.0	24.8	108.0	5.0	116.0	2.5
55.0	75.0	0.3	0.5	6690.0	12.0	426.0	25.0	1.0	2.0
2.5	27.0	10.0	10.0	12.0	235.0	29.0	19.0	0.5	25.0
2.5	30.0	15.0	153.0	5.0	36.0	30.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-366		5.0	10.0	0.5	23.1	59.0	5.0	102.0	2.5
34.0	68.0	0.3	0.5	2231.0	26.0	281.0	25.0	1.0	2.0
2.5	21.0	10.0	10.0	5.0	272.0	23.0	16.0	4.0	25.0
2.5	24.0	15.0	148.0	5.0	26.0	27.0			
47101-367		5.0	12.0	2.0	19.0	65.0	5.0	86.0	2.5
36.0	54.0	0.3	0.5	1437.0	17.0	351.0	25.0	1.0	2.0
2.5	22.0	10.0	10.0	5.0	97.0	26.0	17.0	1.0	25.0
2.5	30.0	15.0	160.0	5.0	34.0	35.0			
47101-368		5.0	2.0	0.5	21.2	59.0	5.0	105.0	2.5
41.0	62.0	0.3	1.0	3778.0	19.0	338.0	25.0	1.0	2.0
2.5	23.0	10.0	10.0	5.0	132.0	26.0	20.0	3.0	25.0
2.5	29.0	15.0	158.0	5.0	35.0	31.0			
47101-369		5.0	5.0	3.0	11.5	66.0	5.0	83.0	2.5
37.0	48.0	0.3	0.5	1249.0	17.0	336.0	25.0	1.0	2.0
2.5	21.0	10.0	10.0	5.0	104.0	23.0	16.0	2.0	25.0
2.5	26.0	15.0	150.0	5.0	31.0	35.0			
47101-370		5.0	2.0	0.5	17.5	32.0	10.0	75.0	2.5
24.0	43.0	0.3	0.5	731.0	13.0	349.0	25.0	1.0	10.7
2.5	25.0	10.0	10.0	5.0	85.0	22.0	10.0	1.0	25.0
2.5	28.0	15.0	152.0	5.0	33.0	30.0			
47101-371		5.0	2.0	0.5	19.6	60.0	5.0	111.0	2.5
49.0	61.0	0.3	2.0	6359.0	12.0	426.0	25.0	1.0	14.0
2.5	33.0	10.0	10.0	5.0	75.0	29.0	12.0	0.5	25.0
2.5	31.0	15.0	163.0	5.0	38.0	26.0			
47101-372		5.0	0.5	7.0	15.6	72.0	5.0	84.0	2.5
37.0	53.0	0.3	0.5	459.0	16.0	402.0	25.0	1.0	14.2
2.5	24.0	10.0	10.0	5.0	65.0	24.0	11.0	2.0	25.0
2.5	31.0	15.0	130.0	5.0	34.0	18.0			
47101-373		5.0	1.0	4.0	18.1	88.0	13.0	73.0	2.5
37.0	48.0	0.3	1.0	372.0	17.0	490.0	25.0	1.0	16.8
2.5	26.0	10.0	10.0	5.0	65.0	32.0	13.0	1.0	25.0
2.5	39.0	15.0	153.0	5.0	44.0	23.0			
47101-374		5.0	0.5	0.5	20.5	70.0	5.0	100.0	2.5
35.0	50.0	0.6	1.0	352.0	17.0	369.0	25.0	1.0	2.0
2.5	22.0	10.0	10.0	5.0	66.0	23.0	10.0	5.0	25.0
2.5	38.0	33.0	134.0	5.0	38.0	55.0			
47101-374A		5.0	0.5	0.5	18.7	27.0	10.0	66.0	2.5
19.0	33.0	1.3	0.5	184.0	25.0	152.0	25.0	1.0	2.0
2.5	20.0	10.0	10.0	5.0	254.0	35.0	18.0	9.0	66.0
2.5	20.0	15.0	132.0	5.0	22.0	72.0			
47101-375		5.0	6.0	0.5	27.9	77.0	5.0	115.0	2.5
50.0	98.0	0.3	1.0	6489.0	18.0	376.0	25.0	1.0	14.0
2.5	30.0	10.0	10.0	5.0	340.0	23.0	12.0	3.0	25.0
2.5	28.0	15.0	147.0	5.0	31.0	25.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-376		5.0	0.5	0.5	23.2	82.0	5.0	117.0	2.5
45.0	61.0	0.3	0.5	195.0	17.0	332.0	25.0	1.0	13.1
2.5	21.0	10.0	10.0	5.0	91.0	19.0	10.0	3.0	25.0
2.5	32.0	15.0	120.0	5.0	29.0	20.0			
47101-377		5.0	0.5	0.5	23.8	73.0	5.0	88.0	2.5
20.0	57.0	0.3	1.0	521.0	11.0	196.0	25.0	1.0	14.7
2.5	11.5	10.0	10.0	5.0	50.0	11.0	10.0	0.5	25.0
2.5	31.0	15.0	154.0	5.0	36.0	20.0			
47101-378		5.0	1.0	71.0	31.1	69.0	5.0	99.0	2.5
45.0	63.0	0.3	0.5	5357.0	11.0	486.0	25.0	1.0	17.1
2.5	34.0	10.0	10.0	5.0	124.0	32.0	12.0	3.0	25.0
2.5	26.0	15.0	174.0	5.0	38.0	45.0			
47101-379		5.0	0.5	0.5	25.2	77.0	5.0	78.0	2.5
23.5	51.0	0.3	0.5	223.0	13.0	182.5	25.0	1.0	14.4
2.5	11.5	10.0	10.0	13.0	77.0	11.0	11.0	1.0	25.0
2.5	25.0	15.0	177.0	5.0	29.0	24.0			
47101-380		5.0	0.5	0.5	31.7	92.0	10.0	88.0	2.5
48.0	61.0	0.3	0.5	165.0	14.0	352.0	25.0	1.0	13.3
2.5	22.0	10.0	10.0	5.0	65.0	17.0	8.0	1.0	25.0
2.5	28.0	15.0	152.0	5.0	27.0	14.0			
47101-381		5.0	2.0	5.0	22.8	146.0	5.0	90.0	2.5
65.0	51.0	0.3	0.5	486.0	14.0	383.0	25.0	1.0	14.0
2.5	24.0	10.0	10.0	5.0	72.0	20.0	9.0	1.0	25.0
2.5	30.0	15.0	141.0	5.0	32.0	19.0			
47101-382		5.0	3.0	5.0	21.0	122.0	11.0	68.0	2.5
69.0	46.0	0.3	0.5	497.0	10.0	431.0	25.0	1.0	19.1
2.5	24.0	10.0	10.0	5.0	248.0	28.0	12.0	1.0	25.0
2.5	28.0	15.0	182.0	5.0	32.0	36.0			
47101-383		5.0	6.0	27.0	15.5	74.0	5.0	88.0	2.5
39.0	42.0	0.3	1.0	196.0	15.0	346.0	25.0	1.0	2.0
2.5	17.0	10.0	10.0	5.0	90.0	19.0	11.0	4.0	25.0
2.5	31.0	15.0	189.0	5.0	33.0	28.0			
47101-384		5.0	3.0	2.0	18.5	75.0	5.0	86.0	2.5
41.0	40.0	0.3	1.0	153.0	14.0	367.0	25.0	1.0	2.0
2.5	17.0	10.0	10.0	5.0	71.0	21.0	12.0	3.0	25.0
2.5	34.0	40.0	185.0	5.0	37.0	28.0			
47101-385		5.0	3.0	2.0	16.7	107.0	5.0	132.0	2.5
48.0	58.0	0.3	0.5	176.0	20.0	358.0	25.0	1.0	2.0
2.5	19.0	10.0	10.0	5.0	76.0	29.0	13.0	3.0	25.0
2.5	38.0	31.0	143.0	5.0	34.0	20.0			
47101-385		5.0	2.0	1.0	14.6	107.0	5.0	120.0	2.5
51.0	57.0	0.3	0.5	155.0	15.0	359.0	25.0	1.0	4.2
2.5	15.0	10.0	10.0	5.0	66.0	13.0	8.0	4.0	25.0
2.5	33.0	32.0	122.0	5.0	30.0	15.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-386		5.0	2.0	7.0	12.9	94.0	10.0	121.0	2.5
62.0	54.0	0.3	2.0	184.0	14.0	373.0	25.0	1.0	4.4
2.5	16.0	10.0	10.0	5.0	46.0	10.0	7.0	3.0	25.0
2.5	31.0	15.0	110.0	5.0	28.0	13.0			
47101-387		5.0	1.0	0.5	16.0	52.0	13.0	86.0	2.5
39.0	52.0	0.3	1.0	181.0	16.0	278.0	25.0	1.0	4.6
2.5	14.0	10.0	10.0	5.0	81.0	14.0	9.0	5.0	25.0
2.5	30.0	15.0	127.0	5.0	28.0	44.0			
47101-388		5.0	4.0	3.0	17.8	73.0	5.0	103.0	2.5
37.0	59.0	0.3	0.5	195.0	20.0	258.0	25.0	1.0	2.0
2.5	19.0	10.0	10.0	5.0	102.0	24.0	11.0	5.0	60.0
2.5	24.0	15.0	213.0	5.0	23.0	28.0			
47101-390		5.0	3.0	5.0	10.1	52.0	5.0	94.0	2.5
31.0	38.0	0.3	0.5	175.0	14.0	249.0	25.0	1.0	2.0
2.5	20.0	10.0	10.0	5.0	129.0	29.0	14.0	6.0	51.0
2.5	21.0	15.0	206.0	5.0	22.0	52.0			
47101-391		5.0	5.0	17.0	16.8	67.0	5.0	86.0	2.5
38.0	42.0	0.3	0.5	173.0	14.0	314.0	25.0	1.0	2.0
2.5	19.0	10.0	10.0	5.0	141.0	25.0	11.0	4.0	25.0
2.5	24.0	15.0	180.0	5.0	26.0	33.0			
47101-392		5.0	3.0	4.0	14.6	73.0	5.0	110.0	2.5
41.0	45.0	0.3	0.5	182.0	14.0	320.0	25.0	1.0	2.0
2.5	19.0	10.0	10.0	5.0	104.0	25.0	11.0	4.0	25.0
2.5	26.0	41.0	177.0	5.0	27.0	24.0			
47101-393		5.0	5.0	4.0	16.6	63.0	5.0	84.0	2.5
42.0	37.0	0.3	2.0	181.0	11.0	389.0	25.0	1.0	2.0
2.5	20.0	10.0	10.0	5.0	64.0	28.0	11.0	3.0	25.0
2.5	27.0	31.0	166.0	5.0	33.0	26.0			
47101-394		5.0	4.0	10.0	11.6	97.0	5.5	136.0	2.5
24.0	53.0	0.3	1.0	196.0	15.0	168.0	25.0	1.0	2.0
2.5	9.5	10.0	10.0	5.0	69.0	16.5	16.0	2.5	25.0
2.5	30.0	15.0	123.0	5.0	34.0	16.0			
47101-395		5.0	3.0	5.0	11.1	94.0	5.0	114.0	2.5
59.0	58.0	0.3	1.0	191.0	14.0	343.0	25.0	1.0	2.0
2.5	20.0	10.0	10.0	5.0	72.0	23.0	9.0	3.0	25.0
2.5	32.0	15.0	136.0	5.0	32.0	16.0			
47101-396		5.0	2.0	1.0	18.4	81.0	5.0	107.0	2.5
40.0	55.0	0.3	0.5	162.0	14.0	307.0	25.0	1.0	2.0
2.5	18.0	10.0	10.0	5.0	74.0	19.0	8.0	4.0	25.0
2.5	35.0	15.0	115.0	5.0	28.0	36.0			
47101-397		5.0	3.0	7.0	11.7	81.0	12.0	123.0	2.5
46.0	57.0	0.3	0.5	209.0	15.0	351.0	25.0	1.0	2.0
2.5	19.0	10.0	10.0	5.0	131.0	28.0	14.0	4.0	25.0
2.5	29.0	34.0	147.0	5.0	29.0	15.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-398		5.0	2.0	2.0	13.6	139.0	12.0	92.0	2.5
62.0	56.0	0.3	0.5	198.0	18.0	386.0	25.0	1.0	14.3
2.5	24.0	10.0	10.0	5.0	71.0	22.0	11.0	2.0	25.0
2.5	32.0	15.0	159.0	5.0	32.0	24.0			
47101-399		5.0	0.5	1.0	27.0	109.0	5.0	92.0	2.5
62.0	59.0	0.3	0.5	332.0	18.0	362.0	25.0	1.0	14.6
2.5	24.0	10.0	10.0	5.0	87.0	23.0	11.0	3.0	25.0
2.5	29.0	36.0	167.0	5.0	30.0	23.0			
47101-400		5.0	2.0	2.0	18.1	115.0	12.0	82.0	2.5
63.0	53.0	0.3	0.5	297.0	16.0	408.0	25.0	1.0	15.2
2.5	24.0	10.0	10.0	5.0	63.0	24.0	11.0	2.0	25.0
2.5	33.0	31.0	178.0	5.0	35.0	27.0			
47101-401		5.0	0.5	19.0	27.2	64.0	5.0	82.0	2.5
39.0	62.0	0.3	0.5	1034.0	18.0	349.0	25.0	1.0	14.4
2.5	25.0	10.0	10.0	5.0	122.0	23.0	12.0	3.0	25.0
2.5	26.0	15.0	162.0	5.0	29.0	34.0			
47101-402		5.0	2.0	6.0	28.6	98.0	33.0	77.0	2.5
93.0	83.0	1.5	2.0	116.0	19.0	242.0	84.0	13.0	25.1
2.5	16.0	10.0	10.0	5.0	95.0	34.0	12.0	2.0	25.0
2.5	15.0	31.0	111.0	5.0	17.0	16.0			
47101-408		5.0	0.5	1.0	20.6	55.0	5.0	64.0	2.5
32.0	45.0	0.9	0.5	363.0	19.0	219.0	25.0	20.0	11.7
2.5	19.0	10.0	10.0	5.0	243.0	28.0	14.0	0.5	25.0
2.5	18.0	15.0	102.0	5.0	25.0	10.0			
47101-409		5.0	2.0	2.0	23.8	47.0	5.0	79.0	2.5
32.0	45.0	0.3	1.0	393.0	20.0	334.0	25.0	1.0	2.0
2.5	22.0	10.0	10.0	5.0	126.0	27.0	11.0	4.0	25.0
2.5	21.0	41.0	174.0	5.0	25.0	36.0			
47101-410		5.0	2.0	1.0	19.9	46.0	5.0	104.0	2.5
28.0	45.0	0.8	0.5	207.0	38.0	218.0	25.0	1.0	2.0
2.5	21.0	10.0	10.0	5.0	280.0	25.0	12.0	7.0	63.0
2.5	17.0	15.0	133.0	5.0	17.0	26.0			
47101-411		5.0	3.0	0.5	24.4	57.0	5.0	79.0	2.5
43.0	41.0	0.3	1.0	379.0	15.0	328.0	25.0	1.0	2.0
2.5	19.0	10.0	10.0	5.0	103.0	23.0	10.0	4.0	25.0
2.5	20.0	15.0	177.0	5.0	24.0	26.0			
47101-412		5.0	3.0	15.0	21.3	55.0	5.0	79.0	2.5
42.0	42.0	0.3	1.0	455.0	14.0	344.0	25.0	1.0	2.0
2.5	20.0	10.0	10.0	5.0	97.0	25.0	11.0	4.0	25.0
2.5	22.0	15.0	183.0	5.0	30.0	36.0			
47101-413		5.0	2.0	3.0	23.2	31.0	11.0	109.0	2.5
27.0	36.0	0.3	1.0	409.0	26.0	329.0	25.0	1.0	2.0
2.5	22.0	10.0	10.0	5.0	206.0	31.0	14.0	7.0	61.0
2.5	18.0	15.0	179.0	5.0	29.0	55.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-414		5.0	3.0	4.0	27.2	58.0	5.0	109.0	2.5
27.5	49.0	0.3	0.5	2959.0	17.0	206.5	25.0	1.0	2.0
13.0	9.0	10.0	10.0	5.0	332.0	13.0	14.0	3.5	25.0
2.5	21.0	15.0	149.0	5.0	33.0	46.0			
47101-418		5.0	0.5	0.5	13.6	79.0	5.0	77.0	2.5
28.0	44.0	0.3	1.0	529.0	12.0	181.5	25.0	7.5	18.2
7.0	9.5	10.0	10.0	5.0	34.0	11.5	11.0	0.5	25.0
2.5	22.0	15.0	126.0	5.0	28.0	11.0			
47101-419		5.0	2.0	1.0	15.3	102.0	5.0	72.0	2.5
54.0	39.0	0.7	0.5	135.0	12.0	249.0	25.0	17.0	13.0
2.5	18.0	10.0	10.0	5.0	24.0	19.0	8.0	0.5	25.0
2.5	19.0	15.0	78.0	5.0	24.0	7.0			
47101-420		5.0	0.5	0.5	16.3	62.0	5.0	87.0	2.5
29.0	42.0	0.9	0.5	123.0	16.0	213.0	25.0	16.0	10.1
2.5	19.0	10.0	10.0	5.0	34.0	19.0	8.0	0.5	25.0
2.5	21.0	15.0	121.0	5.0	24.0	8.0			
47101-421		5.0	0.5	0.5	17.8	26.0	5.0	83.0	2.5
21.0	36.0	1.1	0.5	265.0	19.0	189.0	25.0	31.0	11.4
2.5	19.0	10.0	10.0	5.0	176.0	31.0	14.0	0.5	25.0
2.5	15.0	15.0	87.0	5.0	24.0	13.0			
47101-422		5.0	0.5	0.5	27.0	20.0	5.0	50.0	2.5
9.5	18.0	0.3	1.0	205.0	6.0	119.5	25.0	9.0	15.4
9.0	7.5	10.0	10.0	5.0	48.0	17.0	14.0	0.5	60.0
2.5	14.0	15.0	57.0	5.0	28.0	11.0			
47101-423		5.0	0.5	0.5	24.2	14.0	5.0	43.0	2.5
4.5	17.0	0.3	2.0	174.0	7.0	95.5	25.0	9.0	10.9
17.0	8.5	10.0	10.0	5.0	34.0	19.0	19.0	0.5	25.0
2.5	19.0	15.0	109.0	5.0	33.0	13.0			
47101-424		5.0	0.5	0.5	24.0	16.0	5.0	46.0	2.5
6.5	19.0	0.4	0.5	165.0	8.0	96.0	25.0	10.0	10.6
2.5	9.0	10.0	10.0	5.0	39.0	18.0	16.0	0.5	25.0
2.5	17.0	15.0	104.0	5.0	29.0	11.0			
47101-425		5.0	0.5	0.5	25.1	20.0	5.0	53.0	2.5
11.0	26.0	0.3	1.0	490.0	8.0	162.5	25.0	6.5	21.8
11.0	8.0	10.0	10.0	5.0	74.0	22.0	19.0	0.5	25.0
2.5	16.0	15.0	66.0	5.0	32.0	12.0			
47101-426		5.0	3.0	3.0	24.0	74.0	5.0	60.0	2.5
45.0	43.0	0.6	1.0	196.0	14.0	354.0	25.0	13.0	16.0
2.5	23.0	10.0	10.0	5.0	52.0	32.0	14.0	0.5	25.0
2.5	30.0	15.0	190.0	5.0	33.0	15.0			
47101-427		5.0	0.5	0.5	19.9	39.0	5.0	50.0	2.5
24.0	34.0	0.9	0.5	176.0	11.0	243.0	25.0	17.0	12.0
2.5	20.0	10.0	10.0	5.0	26.0	21.0	10.0	0.5	25.0
2.5	21.0	15.0	117.0	5.0	26.0	10.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-428		5.0	2.0	0.5	28.0	56.0	5.0	60.0	2.5
34.0	45.0	1.1	2.0	163.0	14.0	267.0	25.0	16.0	13.9
2.5	20.0	10.0	10.0	5.0	23.0	20.0	8.0	0.5	25.0
2.5	18.0	15.0	105.0	5.0	21.0	9.0			
47101-429		5.0	2.0	1760.0	19.3	39.0	5.0	80.0	2.5
29.0	50.0	0.3	2.0	295.0	17.0	305.0	25.0	1.0	2.0
2.5	22.0	10.0	10.0	5.0	72.0	21.0	9.0	4.0	25.0
2.5	28.0	15.0	183.0	5.0	29.0	24.0			
47101-430		5.0	0.5	0.5	23.1	25.0	5.0	49.0	2.5
9.0	22.0	0.3	0.5	285.0	9.0	150.5	25.0	7.5	17.6
16.0	7.5	10.0	10.0	13.0	66.0	21.5	21.0	0.5	25.0
2.5	16.0	15.0	75.0	5.0	28.0	12.0			
47101-431		5.0	2.0	3.0	31.7	29.0	5.0	83.0	2.5
11.5	33.0	0.3	0.5	482.0	13.0	173.0	25.0	1.0	2.0
18.0	6.5	10.0	10.0	10.0	143.0	11.5	14.0	6.5	25.0
2.5	23.0	15.0	147.0	5.0	38.0	79.0			
47101-432		5.0	4.0	10.0	15.7	88.0	5.0	91.0	2.5
55.0	59.0	0.3	0.5	239.0	16.0	339.0	25.0	1.0	2.0
2.5	20.0	10.0	10.0	5.0	69.0	22.0	8.0	2.0	25.0
2.5	30.0	15.0	165.0	5.0	30.0	20.0			
47101-433		5.0	3.0	6.0	21.7	95.0	5.0	107.0	2.5
53.0	85.0	0.3	2.0	229.0	22.0	341.0	25.0	1.0	2.0
2.5	20.0	10.0	10.0	5.0	90.0	12.0	11.0	6.0	25.0
2.5	30.0	41.0	128.0	5.0	21.0	17.0			
47101-434		11.0	15.0	3.0	15.9	130.0	5.0	99.0	2.5
73.0	74.0	0.3	0.5	186.0	20.0	357.0	25.0	1.0	2.0
2.5	24.0	10.0	10.0	5.0	66.0	23.0	14.0	4.0	104.0
2.5	42.0	15.0	194.0	5.0	40.0	37.0			
47101-435		5.0	5.0	1.0	17.0	102.0	5.0	88.0	2.5
85.0	69.0	0.3	0.5	219.0	16.0	373.0	25.0	1.0	2.0
2.5	22.0	10.0	10.0	5.0	53.0	24.0	14.0	3.0	65.0
2.5	43.0	15.0	194.0	5.0	39.0	23.0			
47101-436		5.0	13.0	13.0	17.8	143.0	5.0	81.0	2.5
126.0	79.0	0.3	1.0	240.0	15.0	348.0	25.0	1.0	2.0
2.5	20.0	10.0	10.0	5.0	54.0	19.0	13.0	4.0	25.0
2.5	34.0	35.0	173.0	5.0	32.0	17.0			
47101-437		5.0	2.0	0.5	21.5	30.0	5.0	89.0	2.5
17.5	33.0	0.3	2.0	767.0	12.0	248.0	25.0	1.0	2.0
2.5	8.0	10.0	10.0	5.0	104.0	12.0	14.0	10.0	25.0
2.5	22.0	15.0	119.0	5.0	34.0	90.0			
47101-438		5.0	1.0	0.5	19.0	39.0	5.0	55.0	2.5
13.0	32.0	0.3	0.5	256.0	13.0	129.5	25.0	6.5	14.1
8.0	9.0	10.0	10.0	5.0	48.0	13.0	12.0	0.5	25.0
2.5	17.0	15.0	92.0	5.0	24.0	13.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-439		5.0	1.0	0.5	20.4	33.0	5.0	52.0	2.5
10.5	36.0	0.3	0.5	448.0	11.0	161.5	25.0	7.5	17.9
16.0	7.5	10.0	10.0	5.0	378.0	13.5	13.0	0.5	25.0
2.5	14.0	15.0	65.0	5.0	22.0	10.0			
47101-440		5.0	0.5	0.5	21.4	43.0	5.0	89.0	2.5
17.5	62.0	0.3	0.5	849.0	16.0	209.0	25.0	1.0	18.7
15.0	11.0	10.0	10.0	5.0	139.0	10.0	15.0	5.5	25.0
2.5	20.0	15.0	188.0	5.0	27.0	75.0			
47101-441		5.0	2.0	0.5	22.3	75.0	5.0	86.0	2.5
43.0	64.0	0.3	0.5	316.0	16.0	373.0	25.0	1.0	14.2
2.5	23.0	10.0	10.0	5.0	96.0	18.0	10.0	4.0	25.0
2.5	18.0	15.0	170.0	5.0	19.0	19.0			
47101-442		5.0	2.0	0.5	24.0	77.0	5.0	86.0	2.5
53.0	64.0	0.3	2.0	377.0	16.0	415.0	25.0	1.0	16.3
2.5	25.0	10.0	10.0	5.0	77.0	19.0	10.0	4.0	25.0
2.5	16.0	15.0	173.0	5.0	19.0	35.0			
47101-443		5.0	2.0	0.5	23.0	79.0	5.0	84.0	2.5
43.0	60.0	0.3	0.5	303.0	14.0	414.0	25.0	1.0	15.9
2.5	25.0	10.0	10.0	5.0	96.0	20.0	10.0	4.0	25.0
2.5	16.0	15.0	188.0	11.0	19.0	26.0			
47101-444		5.0	3.0	1.0	20.1	90.0	5.0	90.0	2.5
41.0	58.0	0.3	0.5	165.0	19.0	314.0	25.0	1.0	2.0
2.5	19.0	10.0	10.0	5.0	79.0	15.0	12.0	5.0	86.0
2.5	34.0	30.0	172.0	5.0	29.0	17.0			
47101-445		5.0	2.0	0.5	22.9	104.0	5.0	89.0	2.5
52.0	63.0	0.3	0.5	177.0	20.0	353.0	25.0	1.0	2.0
2.5	20.0	10.0	10.0	5.0	66.0	13.0	12.0	4.0	25.0
2.5	30.0	48.0	192.0	5.0	24.0	13.0			
47101-446		5.0	2.0	2.0	20.0	87.0	5.0	82.0	2.5
46.0	49.0	0.3	0.5	182.0	18.0	349.0	25.0	1.0	2.0
2.5	20.0	10.0	10.0	5.0	88.0	23.0	16.0	5.0	25.0
2.5	38.0	36.0	205.0	5.0	36.0	29.0			
47101-447		5.0	3.0	10.0	20.5	81.0	5.0	90.0	2.5
42.0	51.0	0.3	0.5	168.0	19.0	313.0	25.0	1.0	2.0
2.5	20.0	10.0	10.0	5.0	90.0	20.0	15.0	7.0	65.0
2.5	32.0	33.0	197.0	5.0	32.0	39.0			
47101-448		5.0	3.0	2.0	20.2	81.0	5.0	75.0	2.5
39.0	43.0	0.3	0.5	148.0	14.0	352.0	25.0	1.0	2.0
2.5	20.0	10.0	10.0	5.0	72.0	25.0	17.0	4.0	25.0
2.5	44.0	15.0	212.0	5.0	41.0	59.0			
47101-449		5.0	2.0	0.5	21.3	73.0	5.0	90.0	2.5
34.0	46.0	0.3	0.5	142.0	22.0	281.0	25.0	1.0	2.0
2.5	18.0	10.0	10.0	5.0	125.0	22.0	16.0	7.0	77.0
2.5	37.0	15.0	194.0	5.0	32.0	49.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-450		5.0	3.0	1.0	16.5	81.0	5.0	86.0	2.5
42.0	48.0	0.3	0.5	297.0	21.0	332.0	25.0	1.0	2.0
2.5	20.0	10.0	10.0	5.0	108.0	26.0	19.0	3.0	85.0
2.5	36.0	15.0	230.0	5.0	37.0	35.0			
47101-451		5.0	2.0	4.0	22.0	71.0	5.0	88.0	2.5
40.0	49.0	0.3	0.5	128.0	16.0	343.0	25.0	1.0	2.0
2.5	20.0	10.0	10.0	5.0	84.0	17.0	14.0	5.0	25.0
2.5	33.0	37.0	181.0	15.0	33.0	25.0			
47101-452		5.0	2.0	16.0	17.1	40.0	5.0	89.0	2.5
32.0	48.0	0.3	0.5	160.0	14.0	402.0	25.0	1.0	2.0
2.5	24.0	10.0	10.0	5.0	51.0	22.0	16.0	5.0	71.0
2.5	33.0	15.0	196.0	5.0	39.0	24.0			
47101-459		5.0	1.0	0.5	29.9	37.0	5.0	92.0	2.5
21.5	51.0	0.5	0.5	1171.0	11.0	400.0	25.0	1.0	26.9
2.5	12.5	10.0	10.0	5.0	70.0	14.5	18.0	12.5	25.0
2.5	18.0	15.0	114.0	5.0	25.0	109.0			
47101-460		5.0	2.0	4.0	20.2	55.0	5.0	85.0	2.5
22.0	62.0	0.3	0.5	985.0	13.0	268.5	25.0	1.0	21.5
16.0	11.0	10.0	10.0	5.0	100.0	13.0	16.0	3.5	25.0
2.5	18.0	15.0	163.0	5.0	24.0	67.0			
47101-463		5.0	2.0	1.0	22.3	59.0	5.0	108.0	2.5
22.5	64.0	0.3	1.0	2162.0	14.0	257.5	25.0	1.0	19.8
10.0	12.0	10.0	10.0	5.0	155.0	13.5	16.0	4.0	25.0
2.5	17.0	15.0	127.0	5.0	23.0	87.0			
47101-464		5.0	2.0	0.5	28.3	46.0	5.0	88.0	2.5
16.0	54.0	0.3	2.0	927.0	13.0	285.5	25.0	1.0	23.1
22.0	10.5	10.0	10.0	5.0	101.0	10.5	16.0	6.0	25.0
2.5	16.0	20.0	152.0	5.0	20.0	72.0			
47101-465		5.0	0.5	0.5	20.8	45.0	5.0	85.0	2.5
14.0	49.0	0.3	1.0	644.0	15.0	253.5	25.0	1.0	21.4
19.0	10.0	10.0	10.0	5.0	120.0	10.5	16.0	5.5	25.0
2.5	16.0	15.0	150.0	5.0	20.0	85.0			
47101-466		5.0	0.5	329.0	28.5	37.0	5.0	81.0	2.5
15.5	46.0	0.3	1.0	576.0	14.0	235.5	25.0	1.0	21.6
22.0	10.5	10.0	10.0	5.0	295.0	13.5	19.0	10.5	25.0
2.5	14.0	15.0	135.0	5.0	23.0	152.0			
47101-467		5.0	0.5	0.5	37.1	74.0	10.0	102.0	2.5
44.0	55.0	0.3	0.5	158.0	14.0	388.0	25.0	1.0	14.4
2.5	23.0	10.0	10.0	5.0	70.0	17.0	10.0	3.0	25.0
2.5	23.0	15.0	135.0	5.0	21.0	17.0			
47101-468		5.0	0.5	0.5	29.1	70.0	5.0	102.0	2.5
40.0	55.0	0.3	0.5	160.0	15.0	373.0	25.0	1.0	14.5
2.5	24.0	10.0	10.0	5.0	81.0	17.0	10.0	3.0	25.0
2.5	20.0	15.0	141.0	5.0	19.0	21.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-469		5.0	0.5	0.5	20.2	78.0	5.0	91.0	2.5
47.0	47.0	0.3	0.5	168.0	15.0	309.0	25.0	1.0	2.0
2.5	21.0	10.0	10.0	5.0	78.0	23.0	17.0	0.5	55.0
2.5	39.0	35.0	155.0	5.0	42.0	24.0			
47101-470		5.0	3.0	1.0	17.2	88.0	5.0	89.0	2.5
46.0	49.0	0.3	0.5	140.0	16.0	374.0	25.0	1.0	2.0
2.5	20.0	10.0	10.0	5.0	78.0	20.0	15.0	4.0	62.0
2.5	42.0	48.0	125.0	5.0	42.0	43.0			
47101-471		5.0	1.0	0.5	21.1	82.0	5.0	85.0	2.5
32.0	40.0	0.3	1.0	407.0	13.0	181.5	25.0	1.0	2.0
7.0	10.5	10.0	10.0	5.0	63.0	14.5	22.0	0.5	93.0
2.5	40.0	21.5	165.0	5.0	54.0	62.0			
47101-472		5.0	8.0	9.0	14.7	118.0	6.0	89.0	2.5
25.5	42.0	0.3	2.0	231.0	15.0	169.0	25.0	1.0	2.0
2.5	10.5	10.0	10.0	5.0	67.0	13.0	18.0	0.5	53.0
2.5	42.0	15.0	170.0	5.0	51.0	33.0			
47101-473		5.0	0.5	0.5	14.0	95.0	11.0	103.0	2.5
49.0	60.0	0.3	0.5	141.0	19.0	358.0	25.0	1.0	2.0
2.5	19.0	10.0	10.0	5.0	76.0	19.0	15.0	4.0	55.0
2.5	44.0	15.0	126.0	5.0	38.0	45.0			
47101-474		5.0	0.5	0.5	14.1	92.0	11.0	100.0	2.5
63.0	47.0	0.3	0.5	169.0	17.0	278.0	25.0	1.0	2.0
2.5	19.0	10.0	10.0	5.0	85.0	28.0	20.0	0.5	57.0
2.5	42.0	50.0	134.0	5.0	49.0	32.0			
47101-475		5.0	1.0	0.5	13.7	105.0	5.0	107.0	2.5
20.5	47.0	0.3	0.5	168.0	21.0	162.5	25.0	1.0	2.0
2.5	8.5	10.0	10.0	5.0	128.0	13.5	20.0	0.5	57.0
2.5	37.0	19.5	104.0	14.0	45.0	38.0			
47101-476		5.0	0.5	0.5	17.4	78.0	5.0	114.0	2.5
19.5	46.0	0.3	2.0	121.0	19.0	179.5	25.0	1.0	2.0
2.5	9.5	10.0	10.0	5.0	100.0	12.0	18.0	1.0	101.0
2.5	43.0	16.5	112.0	10.0	44.0	32.0			
47101-477		5.0	1.0	0.5	22.5	78.0	5.0	97.0	2.5
21.5	49.0	0.3	1.0	156.0	15.0	179.0	25.0	1.0	2.0
2.5	8.0	10.0	10.0	5.0	70.0	7.5	12.0	1.5	25.0
2.5	25.0	15.0	149.0	5.0	26.0	31.0			
47101-478		5.0	5.0	0.5	34.5	23.0	6.5	78.0	2.5
12.5	38.0	0.3	0.5	170.0	21.0	163.5	25.0	1.0	2.0
2.5	7.0	10.0	10.0	11.0	177.0	9.5	16.0	5.0	73.0
2.5	23.0	15.0	160.0	5.0	28.0	61.0			
47101-479		5.0	0.5	0.5	30.8	24.0	5.0	73.0	2.5
12.5	40.0	0.3	0.5	169.0	19.0	154.5	25.0	1.0	2.0
2.5	7.5	10.0	10.0	5.0	153.0	12.0	18.0	4.5	25.0
2.5	22.0	15.0	158.0	5.0	27.0	61.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-480		5.0	0.5	0.5	35.1	111.0	11.0	112.0	2.5
51.0	57.0	0.3	0.5	130.0	18.0	349.0	25.0	1.0	2.0
2.5	16.0	10.0	10.0	5.0	75.0	18.0	12.0	2.0	25.0
2.5	35.0	50.0	145.0	5.0	32.0	18.0			
47101-481		5.0	0.5	0.5	14.1	30.0	5.0	85.0	2.5
14.5	38.0	0.3	2.0	220.0	19.0	100.0	25.0	1.0	2.0
2.5	10.0	10.0	10.0	5.0	127.0	26.0	31.0	0.5	78.0
2.5	31.0	17.5	148.0	14.0	64.0	134.0			
47101-482		5.0	1.0	5.0	28.8	71.0	5.0	73.0	2.5
15.0	45.0	0.3	0.5	268.0	16.0	177.0	25.0	1.0	2.0
2.5	7.5	10.0	10.0	5.0	133.0	12.5	22.0	3.5	68.0
2.5	29.0	15.0	163.0	5.0	36.0	58.0			
47101-484		5.0	3.0	3.0	20.7	25.0	5.0	85.0	2.5
13.5	37.0	0.3	0.5	150.0	23.0	129.0	25.0	1.0	2.0
2.5	9.5	10.0	10.0	5.0	137.0	15.0	21.0	0.5	25.0
2.5	38.0	21.5	155.0	5.0	50.0	86.0			
47101-485		5.0	2.0	2.0	15.0	37.0	5.0	79.0	2.5
26.0	36.0	0.3	0.5	141.0	22.0	208.0	25.0	1.0	2.0
2.5	18.0	10.0	10.0	5.0	242.0	41.0	27.0	2.0	61.0
2.5	31.0	31.0	166.0	5.0	39.0	56.0			
47101-486		5.0	0.5	0.5	23.3	17.0	6.0	79.0	2.5
12.0	34.0	0.3	0.5	136.0	22.0	101.5	25.0	1.0	2.0
2.5	9.5	10.0	10.0	5.0	230.0	24.5	31.0	0.5	58.0
2.5	33.0	15.0	187.0	5.0	52.0	125.0			
47101-488		5.0	0.5	0.5	37.4	27.0	11.0	101.0	2.5
26.0	44.0	0.3	1.0	162.0	30.0	291.0	25.0	1.0	2.0
2.5	17.0	10.0	10.0	5.0	182.0	23.0	15.0	6.0	77.0
2.5	24.0	15.0	157.0	5.0	27.0	29.0			
47101-489		5.0	0.5	0.5	15.5	38.0	20.0	125.0	2.5
22.0	56.0	0.7	0.5	186.0	92.0	123.0	25.0	1.0	8.1
2.5	19.0	10.0	10.0	5.0	1037.0	60.0	24.0	12.0	25.0
2.5	13.0	15.0	90.0	5.0	19.0	89.0			
47101-490		5.0	0.5	0.5	17.3	41.0	24.0	143.0	2.5
24.0	64.0	0.7	1.0	128.0	110.0	115.0	25.0	1.0	8.5
2.5	21.0	10.0	10.0	5.0	808.0	72.0	28.0	13.0	60.0
2.5	12.0	15.0	80.0	5.0	18.0	89.0			
47101-491		5.0	0.5	0.5	19.2	34.0	20.0	102.0	2.5
22.0	46.0	0.5	0.5	203.0	70.0	176.0	25.0	1.0	9.9
2.5	18.0	10.0	10.0	5.0	1506.0	47.0	20.0	14.0	67.0
2.5	16.0	15.0	125.0	5.0	23.0	77.0			
47101-492		5.0	1.0	0.5	21.1	29.0	18.0	101.0	2.5
20.0	49.0	0.7	0.5	584.0	66.0	155.0	25.0	1.0	9.7
2.5	18.0	10.0	10.0	5.0	1856.0	43.0	19.0	12.0	64.0
2.5	15.0	15.0	115.0	5.0	20.0	74.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-493		5.0	1.0	0.5	10.5	31.0	17.0	134.0	2.5
22.0	57.0	0.7	0.5	198.0	96.0	148.0	25.0	1.0	9.4
2.5	18.0	10.0	10.0	5.0	746.0	47.0	20.0	12.0	94.0
2.5	13.0	15.0	90.0	5.0	18.0	73.0			
47101-494		5.0	2.0	0.5	12.3	31.0	20.0	117.0	2.5
25.0	54.0	0.3	0.5	240.0	76.0	223.0	25.0	1.0	11.2
2.5	18.0	10.0	10.0	5.0	2409.0	35.0	17.0	10.0	25.0
2.5	20.0	15.0	133.0	5.0	24.0	51.0			
47101-495		5.0	1.0	0.5	12.3	38.0	23.0	110.0	2.5
20.0	50.0	0.3	0.5	773.0	51.0	115.0	25.0	1.0	9.4
2.5	16.0	10.0	10.0	5.0	639.0	52.0	21.0	11.0	108.0
2.5	11.0	15.0	86.0	5.0	18.0	89.0			
47101-496		5.0	2.0	0.5	11.6	41.0	19.0	132.0	2.5
23.0	69.0	0.7	0.5	182.0	80.0	172.0	25.0	1.0	10.9
2.5	20.0	10.0	10.0	5.0	644.0	56.0	20.0	13.0	25.0
2.5	14.0	15.0	84.0	5.0	20.0	75.0			
47101-496		5.0	2.0	0.5	11.6	41.0	132.0	19.0	2.5
23.0	69.0	0.7	0.5	182.0	172.0	80.0	25.0	1.0	10.9
2.5	20.0	10.0	10.0	5.0	644.0	56.0	20.0	13.0	25.0
2.5	14.0	15.0	84.0	5.0	20.0	75.0			
47101-497		5.0	1.0	0.5	18.3	31.0	18.0	163.0	2.5
26.0	59.0	0.7	0.5	164.0	92.0	198.0	25.0	1.0	11.4
2.5	18.0	10.0	10.0	5.0	736.0	40.0	18.0	11.0	25.0
2.5	17.0	15.0	99.0	5.0	21.0	93.0			
47101-498		40.0	25.0	9.0	11.7	30.0	13.0	91.0	2.5
27.0	46.0	0.3	2.0	283.0	48.0	268.0	25.0	1.0	15.9
2.5	18.0	10.0	10.0	5.0	5830.0	31.0	16.0	14.0	67.0
2.5	22.0	15.0	384.0	5.0	28.0	67.0			
47101-501		5.0	1.0	0.5	22.1	19.0	5.0	75.0	2.5
8.0	29.0	0.3	2.0	571.0	16.0	149.0	25.0	1.0	12.6
25.0	6.0	10.0	10.0	5.0	4278.0	14.0	17.0	10.0	25.0
2.5	22.0	15.0	184.0	5.0	45.0	134.0			
47101-502		5.0	1.0	0.5	24.6	23.0	7.5	86.0	2.5
10.5	42.0	0.3	0.5	417.0	17.0	167.0	25.0	1.0	14.4
17.0	6.5	10.0	10.0	5.0	2593.0	20.5	21.0	7.0	25.0
2.5	26.0	15.0	199.0	12.0	43.0	157.0			
47101-503		5.0	0.5	0.5	24.4	0.5	5.0	66.0	2.5
3.0	2.0	2.1	0.5	650.0	9.0	132.5	25.0	1.0	19.3
2.5	17.0	10.0	10.0	5.0	3486.0	27.0	17.0	16.0	660.0
2.5	19.0	15.0	115.0	5.0	41.0	150.0			
47101-505		5.0	0.5	0.5	26.3	5.0	5.0	129.0	2.5
19.0	20.0	2.1	3.0	1757.0	7.0	257.5	25.0	1.0	24.7
2.5	12.0	10.0	10.0	5.0	2247.0	30.5	21.0	13.0	52.0
2.5	22.0	36.0	54.0	5.0	64.0	122.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-506		5.0	0.5	0.5	13.2	7.0	5.0	113.0	2.5
24.5	21.0	4.4	3.0	1722.0	7.0	322.5	25.0	1.0	27.1
2.5	16.5	10.0	10.0	20.0	4870.0	28.5	21.0	26.0	25.0
3.0	24.0	36.5	65.0	11.0	56.0	195.0			
47101-507		7.0	0.5	7.0	11.0	19.0	5.5	69.0	2.5
8.0	31.0	0.3	0.5	652.0	18.0	132.0	25.0	1.0	16.9
21.0	6.0	10.0	10.0	5.0	4114.0	17.0	18.0	11.5	25.0
2.5	23.0	15.0	179.0	5.0	44.0	224.0			
47101-508		5.0	6.0	10.0	8.5	31.0	22.0	74.0	2.5
20.0	35.0	1.3	0.5	341.0	32.0	148.0	25.0	1.0	12.6
8.0	17.0	10.0	10.0	5.0	3397.0	43.0	18.0	16.0	25.0
2.5	14.0	15.0	144.0	5.0	24.0	118.0			
47101-509		5.0	8.0	9.0	5.9	31.0	16.0	71.0	2.5
17.0	41.0	0.8	0.5	942.0	34.0	123.0	25.0	1.0	11.2
2.5	17.0	10.0	10.0	5.0	1998.0	45.0	20.0	12.0	83.0
2.5	13.0	15.0	172.0	5.0	21.0	120.0			
47101-510		5.0	6.0	5.0	8.9	27.0	20.0	82.0	2.5
20.0	35.0	0.9	0.5	339.0	31.0	149.0	25.0	1.0	12.2
2.5	18.0	10.0	10.0	5.0	1535.0	45.0	19.0	15.0	25.0
2.5	14.0	15.0	121.0	5.0	23.0	105.0			
47101-511		5.0	2.0	0.5	12.9	11.0	5.0	106.0	2.5
21.5	21.0	2.9	1.0	1375.0	9.0	269.5	25.0	1.0	38.4
2.5	16.5	10.0	10.0	14.0	11758.0	24.0	17.0	16.0	25.0
2.5	26.0	29.5	123.0	5.0	69.0	194.0			
47101-512		5.0	3.0	0.5	10.5	20.0	10.5	77.0	2.5
9.0	32.0	0.3	0.5	557.0	22.0	126.0	25.0	1.0	19.2
14.0	8.0	10.0	10.0	5.0	2124.0	18.5	17.0	10.0	25.0
2.5	22.0	15.0	158.0	5.0	40.0	153.0			
47101-513		5.0	3.0	0.5	12.9	22.0	8.0	75.0	2.5
9.0	31.0	0.3	1.0	522.0	23.0	141.0	25.0	1.0	20.5
14.0	8.0	10.0	10.0	5.0	2959.0	17.5	16.0	9.0	25.0
2.5	23.0	15.0	170.0	5.0	37.0	117.0			
47101-514		5.0	2.0	0.5	15.3	8.0	5.0	122.0	2.5
34.0	16.0	7.8	2.0	1777.0	6.0	364.5	25.0	1.0	50.0
2.5	24.5	10.0	10.0	5.0	3864.0	30.0	16.0	51.5	25.0
11.0	26.0	50.0	32.0	15.0	54.0	250.0			
47101-515		5.0	1.0	0.5	19.0	21.0	19.0	84.0	2.5
14.0	32.0	0.6	0.5	183.0	47.0	93.0	25.0	1.0	8.5
2.5	14.0	10.0	10.0	5.0	1013.0	38.0	16.0	9.0	25.0
2.5	8.0	15.0	91.0	5.0	13.0	70.0			
47101-516		5.0	2.0	0.5	25.5	23.0	14.0	66.0	2.5
19.0	31.0	2.9	0.5	274.0	23.0	233.0	25.0	1.0	16.8
6.0	17.0	10.0	10.0	5.0	5248.0	29.0	13.0	13.0	25.0
2.5	18.0	15.0	503.0	5.0	28.0	67.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-517		5.0	2.0	0.5	21.7	30.0	7.0	82.0	2.5
12.0	34.0	0.3	1.0	706.0	24.0	177.0	25.0	1.0	26.4
19.0	9.0	10.0	10.0	5.0	11069.0	22.5	22.0	14.0	25.0
2.5	24.0	15.0	188.0	5.0	47.0	157.0			
47101-518		5.0	0.5	0.5	24.5	9.0	5.0	94.0	2.5
21.5	22.0	2.9	3.0	1350.0	10.0	231.5	25.0	1.0	2.0
2.5	12.0	10.0	10.0	18.0	12752.0	20.0	22.0	16.0	25.0
2.5	18.0	33.5	250.0	5.0	47.0	158.0			
47101-519		5.0	2.0	4.0	13.0	28.0	28.0	80.0	2.5
28.0	51.0	0.3	0.5	374.0	25.0	206.0	25.0	1.0	2.0
2.5	15.0	10.0	10.0	5.0	3713.0	32.0	17.0	9.0	25.0
2.5	22.0	15.0	198.0	5.0	28.0	62.0			
47101-520		5.0	2.0	0.5	20.0	40.0	48.0	113.0	2.5
27.0	56.0	0.7	0.5	185.0	46.0	166.0	25.0	1.0	2.0
2.5	18.0	10.0	10.0	5.0	1706.0	46.0	23.0	11.0	81.0
2.5	18.0	15.0	143.0	5.0	23.0	75.0			
47101-523		5.0	0.5	3.0	18.7	19.0	5.0	88.0	2.5
10.0	30.0	0.3	0.5	431.0	21.0	147.0	25.0	1.0	2.0
18.0	5.5	10.0	10.0	5.0	9858.0	10.0	15.0	7.5	64.0
2.5	14.0	15.0	161.0	5.0	26.0	97.0			
47101-524		5.0	2.0	1.0	25.8	14.0	5.0	75.0	2.5
10.5	26.0	0.3	2.0	320.0	14.0	138.0	25.0	1.0	2.0
13.0	6.5	10.0	10.0	10.0	12470.0	11.0	14.0	7.5	25.0
2.5	17.0	15.0	179.0	5.0	32.0	105.0			
47101-525		5.0	0.5	1.0	25.1	18.0	5.5	85.0	2.5
12.5	27.0	0.3	0.5	712.0	11.0	183.0	25.0	1.0	4.5
2.5	8.0	10.0	10.0	5.0	437.0	17.0	25.0	16.5	87.0
2.5	33.0	15.0	165.0	5.0	63.0	277.0			
47101-526		5.0	0.5	0.5	29.7	17.0	6.5	85.0	2.5
14.5	24.0	0.6	2.0	641.0	11.0	181.5	25.0	1.0	4.6
2.5	8.0	10.0	10.0	5.0	630.0	17.5	25.0	17.0	25.0
2.5	29.0	15.0	154.0	5.0	57.0	344.0			
47101-527		5.0	4.5	4.5	35.4	21.0	6.5	109.0	2.5
25.0	26.0	2.6	2.0	1845.0	7.0	268.0	25.0	1.0	2.0
2.5	10.5	10.0	10.0	20.0	554.0	22.5	31.0	15.5	67.0
2.5	28.0	26.5	81.0	11.0	65.0	170.0			
47101-528		5.0	1.0	2.0	16.4	31.0	5.0	78.0	2.5
26.0	37.0	0.3	1.0	225.0	17.0	242.0	25.0	1.0	2.0
2.5	19.0	10.0	10.0	5.0	172.0	20.0	10.0	6.0	60.0
2.5	16.0	15.0	158.0	5.0	18.0	35.0			
47101-529		5.0	2.0	1.0	19.8	48.0	5.0	74.0	2.5
33.0	40.0	0.3	0.5	233.0	18.0	282.0	25.0	1.0	2.0
2.5	19.0	10.0	10.0	5.0	156.0	25.0	11.0	10.0	25.0
2.5	17.0	15.0	140.0	5.0	20.0	49.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-530		14.0	3.0	4.0	12.2	28.0	14.0	75.0	2.5
20.0	46.0	1.1	0.5	211.0	35.0	134.0	25.0	1.0	2.0
2.5	23.0	10.0	10.0	5.0	275.0	35.0	15.0	12.0	122.0
2.5	11.0	15.0	75.0	5.0	15.0	80.0			
47101-531		5.0	2.0	1.0	18.5	23.0	12.0	76.0	2.5
20.0	33.0	0.7	0.5	208.0	21.0	175.0	25.0	1.0	2.0
2.5	18.0	10.0	10.0	5.0	206.0	23.0	12.0	6.0	104.0
2.5	14.0	15.0	129.0	5.0	17.0	33.0			
47101-532		5.0	2.0	2.0	16.3	26.0	6.5	89.0	2.5
13.0	37.0	0.3	1.0	546.0	22.0	141.0	25.0	1.0	2.0
2.5	10.0	10.0	10.0	5.0	238.0	12.5	13.0	5.0	25.0
2.5	18.0	15.0	160.0	5.0	27.0	90.0			
47101-533		5.0	0.5	0.5	20.7	17.0	5.0	75.0	2.5
7.0	27.0	0.3	0.5	478.0	17.0	149.0	25.0	1.0	5.2
18.0	4.5	10.0	10.0	5.0	244.0	17.5	25.0	6.5	25.0
2.5	24.0	15.0	151.0	5.0	41.0	128.0			
47101-536		5.0	0.5	0.5	21.1	18.0	5.0	91.0	2.5
16.0	30.0	0.6	1.0	1149.0	13.0	197.5	25.0	1.0	6.0
2.5	8.5	10.0	10.0	5.0	220.0	15.0	25.0	14.5	65.0
2.5	26.0	15.0	136.0	5.0	51.0	217.0			
47101-537		5.0	0.5	3.0	19.9	18.0	6.0	91.0	2.5
10.5	35.0	0.3	1.0	430.0	23.0	147.0	25.0	1.0	5.5
8.0	6.5	10.0	10.0	5.0	141.0	9.5	18.0	7.0	59.0
2.5	26.0	15.0	154.0	5.0	34.0	81.0			
47101-538		5.0	1.0	1.0	21.1	22.0	15.0	95.0	2.5
20.0	36.0	0.3	0.5	225.0	29.0	204.0	25.0	1.0	4.7
2.5	15.0	10.0	10.0	5.0	217.0	20.0	16.0	9.0	25.0
2.5	20.0	15.0	126.0	5.0	25.0	73.0			
47101-539		5.0	0.5	0.5	16.3	9.0	5.0	69.0	2.5
7.5	22.0	0.3	1.0	434.0	12.0	102.5	25.0	1.0	2.0
5.0	8.0	10.0	10.0	5.0	479.0	13.0	14.0	10.0	58.0
2.5	16.0	15.0	159.0	5.0	29.0	125.0			
47101-540		5.0	0.5	0.5	22.3	18.0	7.0	90.0	2.5
9.5	34.0	0.3	0.5	1307.0	13.0	133.5	25.0	1.0	6.1
14.0	5.0	10.0	10.0	5.0	6659.0	11.5	20.0	6.5	65.0
2.5	19.0	15.0	193.0	5.0	37.0	144.0			
47101-542		5.0	0.5	0.5	31.0	23.0	6.0	93.0	2.5
12.0	43.0	0.3	1.0	2170.0	15.0	157.5	25.0	1.0	6.1
24.0	5.0	10.0	10.0	5.0	1538.0	12.0	22.0	5.0	25.0
2.5	22.0	15.0	145.0	12.0	39.0	137.0			
47101-543		5.0	3.0	0.5	21.1	8.0	10.0	90.0	2.5
14.0	22.0	0.6	0.5	868.0	10.0	170.0	25.0	1.0	2.0
2.5	9.5	10.0	10.0	5.0	95.0	14.5	17.0	39.0	25.0
2.5	20.0	15.0	131.0	13.0	47.0	166.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-544		5.0	0.5	0.5	25.4	18.0	5.0	91.0	2.5
9.0	33.0	0.3	2.0	1542.0	15.0	158.5	25.0	1.0	6.1
12.0	5.5	10.0	10.0	5.0	862.0	23.5	29.0	5.0	61.0
2.5	25.0	15.0	159.0	5.0	40.0	134.0			
47101-545		5.0	0.5	11.0	22.3	8.0	15.0	44.0	2.5
11.0	16.0	0.3	0.5	351.0	10.0	148.0	25.0	1.0	2.0
2.5	13.0	10.0	10.0	5.0	203.0	27.0	13.0	14.0	25.0
11.0	14.0	15.0	96.0	5.0	21.0	122.0			
47101-546		5.0	0.5	0.5	16.5	9.0	5.0	58.0	2.5
12.0	20.0	0.3	0.5	333.0	13.0	154.0	25.0	1.0	4.7
2.5	12.0	10.0	10.0	5.0	481.0	19.0	14.0	12.0	52.0
2.5	17.0	15.0	146.0	5.0	28.0	112.0			
47101-547		5.0	0.5	0.5	21.5	9.0	11.0	50.0	2.5
12.0	19.0	0.3	0.5	310.0	12.0	143.0	25.0	1.0	4.7
2.5	12.0	10.0	10.0	5.0	576.0	23.0	17.0	13.0	25.0
2.5	14.0	15.0	133.0	5.0	25.0	127.0			
47101-548		5.0	0.5	0.5	21.3	21.0	12.0	58.0	2.5
18.0	28.0	0.3	0.5	279.0	19.0	127.0	25.0	1.0	4.2
2.5	13.0	10.0	10.0	5.0	7494.0	23.0	16.0	9.0	80.0
2.5	13.0	15.0	124.0	5.0	19.0	79.0			
47101-549		5.0	0.5	0.5	28.6	16.0	125.0	97.0	2.5
17.5	27.0	1.0	1.0	1831.0	11.0	177.0	25.0	1.0	8.1
2.5	9.5	10.0	10.0	5.0	11997.0	21.0	30.0	22.5	63.0
2.5	30.0	20.0	426.0	5.0	62.0	278.0			
47101-550		5.0	0.5	0.5	31.1	28.0	5.0	279.0	2.5
40.0	62.0	6.0	1.0	8021.0	15.0	404.5	25.0	1.0	7.6
2.5	20.5	10.0	10.0	5.0	7715.0	22.5	30.0	31.0	54.0
2.5	27.0	34.0	568.0	11.0	52.0	197.0			
47101-551		5.0	0.5	0.5	18.7	24.0	18.0	82.0	2.5
18.0	41.0	0.3	0.5	311.0	31.0	142.0	25.0	1.0	4.5
2.5	17.0	10.0	10.0	5.0	841.0	32.0	18.0	9.0	117.0
2.5	12.0	15.0	95.0	5.0	17.0	85.0			
47101-553		5.0	2.0	1.0	14.0	23.0	5.0	158.0	2.5
18.0	66.0	0.3	2.0	9361.0	23.0	177.5	25.0	1.0	7.6
11.0	11.0	10.0	10.0	5.0	502.0	16.5	22.0	4.0	85.0
2.5	24.0	15.0	127.0	5.0	40.0	102.0			
47101-554		5.0	0.5	1.0	16.3	25.0	21.0	74.0	2.5
24.0	44.0	0.6	0.5	472.0	22.0	110.0	25.0	1.0	4.0
2.5	13.0	10.0	10.0	5.0	14612.0	29.0	17.0	6.0	94.0
2.5	11.0	15.0	240.0	5.0	15.0	91.0			
47101-555		5.0	0.5	0.5	20.5	28.0	15.0	84.0	2.5
22.0	42.0	0.3	0.5	455.0	27.0	192.0	25.0	1.0	5.1
2.5	16.0	10.0	10.0	5.0	4052.0	22.0	16.0	7.0	89.0
2.5	17.0	15.0	150.0	5.0	21.0	70.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-556		5.0	0.5	2.0	17.9	23.0	21.0	110.0	2.5
18.0	42.0	0.3	0.5	167.0	40.0	119.0	25.0	1.0	4.1
2.5	15.0	10.0	10.0	5.0	1057.0	36.0	20.0	8.0	76.0
2.5	9.0	15.0	96.0	5.0	13.0	87.0			
47101-557		5.0	0.5	0.5	21.1	16.0	5.0	249.0	2.5
51.0	60.0	7.3	3.0	17128.0	11.0	357.5	25.0	1.0	8.0
2.5	27.5	10.0	10.0	5.0	10287.0	21.5	31.0	37.0	78.0
2.5	23.0	51.5	146.0	20.0	43.0	134.0			
47101-558		5.0	0.5	0.5	27.0	24.0	16.0	76.0	2.5
19.0	35.0	0.3	0.5	265.0	24.0	196.0	25.0	1.0	5.5
2.5	16.0	10.0	10.0	5.0	894.0	18.0	15.0	10.0	25.0
2.5	16.0	15.0	121.0	5.0	21.0	94.0			
47101-559		5.0	0.5	0.5	25.2	26.0	14.0	75.0	2.5
23.0	40.0	0.3	0.5	733.0	24.0	190.0	25.0	1.0	5.7
2.5	17.0	10.0	10.0	5.0	2243.0	20.0	15.0	7.0	64.0
2.5	14.0	15.0	120.0	5.0	19.0	54.0			
47101-560		5.0	2.0	2.0	24.2	26.0	5.0	109.0	2.5
16.0	44.0	0.3	1.0	3546.0	24.0	152.5	25.0	1.0	7.9
2.5	9.0	10.0	10.0	5.0	3648.0	10.0	17.0	9.5	25.0
2.5	21.0	15.0	158.0	5.0	34.0	84.0			
47101-561		5.0	2.0	1.0	20.9	33.0	5.0	112.0	2.5
37.0	57.0	0.3	0.5	4454.0	22.0	262.0	25.0	1.0	6.3
2.5	22.0	10.0	10.0	5.0	231.0	25.0	16.0	5.0	58.0
2.5	23.0	15.0	128.0	5.0	25.0	50.0			
47101-562		5.0	0.5	0.5	29.3	31.0	12.0	81.0	2.5
25.0	42.0	0.3	0.5	1265.0	18.0	238.0	25.0	1.0	6.0
2.5	18.0	10.0	10.0	15.0	225.0	20.0	14.0	5.0	69.0
2.5	19.0	15.0	139.0	5.0	21.0	47.0			
47101-563		5.0	2.0	0.5	15.8	24.0	5.0	101.0	2.5
13.5	48.0	0.3	1.0	3762.0	16.0	161.5	25.0	1.0	7.3
2.5	9.5	10.0	10.0	5.0	362.0	9.5	15.0	4.0	79.0
2.5	30.0	15.0	172.0	5.0	35.0	84.0			
47101-564		5.0	0.5	0.5	19.6	56.0	25.0	51.0	2.5
24.0	28.0	0.3	2.0	150.0	16.0	73.0	25.0	1.0	5.1
2.5	33.0	10.0	10.0	5.0	81.0	108.0	40.0	4.0	25.0
2.5	9.0	15.0	115.0	5.0	27.0	107.0			
47101-565		5.0	0.5	0.5	31.3	33.0	27.0	101.0	2.5
26.0	55.0	1.3	1.0	246.0	47.0	166.0	25.0	1.0	2.0
5.0	18.0	10.0	10.0	5.0	308.0	44.0	23.0	13.0	65.0
2.5	15.0	15.0	100.0	5.0	23.0	151.0			
47101-568		5.0	0.5	0.5	18.2	25.0	22.0	125.0	2.5
23.0	64.0	0.9	0.5	396.0	37.0	189.0	25.0	1.0	5.8
2.5	15.0	10.0	10.0	5.0	368.0	24.0	18.0	7.0	63.0
2.5	15.0	15.0	161.0	5.0	20.0	82.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-569		5.0	5.0	4.0	21.4	85.0	12.0	71.0	2.5
42.0	43.0	0.3	1.0	319.0	12.0	420.0	25.0	1.0	8.0
2.5	22.0	10.0	10.0	5.0	106.0	26.0	14.0	0.5	25.0
2.5	38.0	15.0	225.0	5.0	38.0	28.0			
47101-570		5.0	4.0	3.0	16.9	62.0	5.0	72.0	2.5
33.0	49.0	0.3	1.0	754.0	14.0	302.0	25.0	1.0	6.5
2.5	17.0	10.0	10.0	5.0	261.0	18.0	12.0	0.5	25.0
2.5	29.0	15.0	184.0	5.0	28.0	22.0			
47101-600		5.0	0.5	2.0	34.7	204.0	29.0	95.0	2.5
39.0	60.0	1.3	0.5	89.0	26.0	83.0	25.0	1.0	2.0
2.5	20.0	10.0	10.0	5.0	308.0	51.0	29.0	13.0	123.0
2.5	7.0	45.0	58.0	5.0	17.0	108.0			
47101-601		5.0	0.5	55.0	46.1	255.0	2474.0	6040.0	2.5
54.0	61.0	3.1	30.0	319.0	12.0	230.0	476.0	1.0	2.0
6.0	8.0	10.0	10.0	5.0	250.0	37.0	19.0	8.0	91.0
10.0	14.0	30.0	73.0	5.0	24.0	187.0			
47101-602		5.0	0.5	72.0	42.6	456.0	666.0	1533.0	2.5
72.0	79.0	0.3	8.0	1169.0	14.0	403.0	227.0	1.0	2.0
25.0	5.0	10.0	10.0	18.0	799.0	36.0	17.0	0.5	62.0
2.5	15.0	15.0	91.0	5.0	22.0	163.0			
47101-603		5.0	0.5	0.5	32.3	45.0	30.0	61.0	2.5
32.0	29.0	0.3	0.5	111.0	12.0	67.0	25.0	1.0	2.0
2.5	42.0	10.0	10.0	10.0	92.0	118.0	34.0	0.5	25.0
2.5	9.0	15.0	69.0	5.0	25.0	100.0			
47101-604		5.0	0.5	0.5	43.8	57.0	26.0	53.0	5.0
34.0	31.0	0.3	1.0	86.0	19.0	65.0	25.0	1.0	6.9
2.5	20.0	10.0	10.0	5.0	112.0	68.0	35.0	10.0	25.0
2.5	8.0	15.0	103.0	11.0	23.0	101.0			
47101-605		5.0	0.5	0.5	45.0	36.0	34.0	144.0	2.5
20.0	33.0	1.3	0.5	81.0	30.0	66.0	25.0	1.0	5.2
2.5	22.0	10.0	10.0	5.0	428.0	81.0	44.0	18.0	25.0
2.5	9.0	38.0	86.0	5.0	23.0	123.0			
47101-606		5.0	0.5	0.5	28.4	16.0	11.0	27.0	2.5
10.0	21.0	0.3	0.5	154.0	22.0	31.0	25.0	1.0	2.0
2.5	14.0	10.0	10.0	5.0	730.0	44.0	27.0	18.0	149.0
2.5	3.0	15.0	33.0	5.0	19.0	158.0			
47101-607		5.0	0.5	0.5	29.9	13.0	13.0	19.0	2.5
6.0	11.0	1.6	0.5	206.0	17.0	22.0	25.0	1.0	2.0
2.5	10.0	10.0	10.0	5.0	186.0	48.0	25.0	31.0	74.0
2.5	3.0	15.0	28.0	5.0	22.0	152.0			
47101-608		5.0	0.5	0.5	31.6	28.0	10.0	61.0	2.5
5.0	13.0	0.3	0.5	85.0	28.0	15.0	25.0	1.0	2.0
2.5	16.0	10.0	10.0	5.0	260.0	63.0	33.0	26.0	108.0
2.5	2.0	15.0	29.0	5.0	25.0	242.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-609		5.0	0.5	0.5	25.7	6.0	5.0	30.0	2.5
9.0	26.0	0.9	0.5	1580.0	14.0	46.0	25.0	1.0	2.0
2.5	10.0	10.0	10.0	5.0	138.0	54.0	28.0	10.0	56.0
2.5	5.0	15.0	61.0	5.0	22.0	472.0			
47101-610		5.0	0.5	0.5	26.5	13.0	13.0	63.0	2.5
17.0	52.0	1.0	0.5	995.0	33.0	74.0	25.0	1.0	2.0
2.5	14.0	10.0	10.0	5.0	222.0	54.0	27.0	9.0	93.0
2.5	8.0	15.0	53.0	5.0	17.0	183.0			
47101-611		5.0	0.5	0.5	32.8	28.0	24.0	111.0	2.5
27.0	81.0	3.9	0.5	2678.0	45.0	121.0	25.0	1.0	2.0
2.5	19.0	10.0	10.0	5.0	280.0	49.0	26.0	9.0	115.0
2.5	12.0	15.0	58.0	5.0	19.0	129.0			
47101-612		5.0	0.5	0.5	33.9	32.0	26.0	102.0	2.5
27.0	81.0	7.1	0.5	1675.0	44.0	105.0	25.0	1.0	2.0
2.5	18.0	10.0	10.0	5.0	316.0	54.0	29.0	10.0	116.0
2.5	12.0	15.0	67.0	5.0	19.0	113.0			
47101-613		5.0	0.5	0.5	24.4	26.0	5.0	124.0	2.5
30.0	82.0	1.0	1.0	4283.0	47.0	121.0	25.0	1.0	2.0
6.0	22.0	10.0	10.0	5.0	293.0	57.0	31.0	10.0	143.0
2.5	13.0	15.0	73.0	5.0	20.0	134.0			
47101-614		5.0	0.5	1.0	22.8	45.0	16.0	107.0	2.5
44.0	93.0	0.9	0.5	7299.0	19.0	216.0	25.0	1.0	2.0
10.0	19.0	10.0	10.0	5.0	715.0	62.0	30.0	12.0	25.0
2.5	12.0	15.0	76.0	5.0	28.0	292.0			
47101-615		5.0	0.5	0.5	30.6	166.0	18.0	110.0	2.5
53.0	117.0	1.3	0.5	6565.0	19.0	169.0	25.0	1.0	2.0
12.0	25.0	10.0	10.0	5.0	205.0	49.0	24.0	14.0	112.0
2.5	16.0	15.0	73.0	5.0	22.0	134.0			
47101-616		5.0	2.0	41.0	26.9	28.0	11.0	66.0	2.5
22.0	44.0	0.3	2.0	2251.0	9.0	356.0	25.0	1.0	6.9
2.5	22.0	10.0	10.0	5.0	62.0	24.0	12.0	0.5	51.0
2.5	33.0	15.0	195.0	5.0	36.0	42.0			
47101-617		5.0	4.0	5.0	24.4	76.0	5.0	138.0	2.5
73.0	86.0	0.3	1.0	10697.0	15.0	353.0	25.0	1.0	7.9
2.5	30.0	10.0	10.0	5.0	61.0	23.0	14.0	0.5	93.0
2.5	33.0	15.0	186.0	13.0	32.0	22.0			
47101-618		5.0	2.0	2.0	27.4	61.0	12.0	75.0	2.5
27.0	70.0	0.3	2.0	420.0	23.0	260.0	25.0	1.0	6.2
2.5	16.0	10.0	10.0	5.0	145.0	13.0	12.0	3.0	89.0
2.5	26.0	15.0	132.0	5.0	25.0	23.0			
47101-619		5.0	3.0	1.0	16.2	39.0	5.0	89.0	2.5
29.0	48.0	0.3	1.0	322.0	18.0	294.0	25.0	1.0	2.0
2.5	22.0	10.0	10.0	5.0	129.0	26.0	11.0	3.0	25.0
2.5	27.0	15.0	179.0	5.0	29.0	26.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-620		5.0	0.5	0.5	28.5	8.0	5.0	101.0	2.5
31.0	20.0	6.6	2.0	1288.0	9.0	268.5	25.0	1.0	10.1
2.5	16.5	10.0	10.0	10.0	472.0	20.0	29.0	37.5	64.0
8.0	27.0	48.0	83.0	15.0	58.0	200.0			
47101-621		5.0	3.0	139.0	20.9	51.0	5.0	46.0	2.5
20.0	22.0	0.3	0.5	164.0	9.0	318.0	25.0	1.0	2.0
2.5	22.0	10.0	10.0	5.0	49.0	21.0	7.0	0.5	78.0
2.5	19.0	15.0	144.0	5.0	28.0	13.0			
47101-622		5.0	4.0	4.0	20.5	59.0	8.0	105.0	10.0
19.5	59.0	0.3	0.5	2042.0	15.0	185.5	25.0	1.0	2.0
10.0	12.0	10.0	10.0	5.0	582.0	14.5	13.0	1.0	25.0
2.5	25.0	15.5	188.0	5.0	31.0	42.0			
47101-623		5.0	0.5	0.5	33.8	99.0	16.0	95.0	2.5
33.0	48.0	0.3	0.5	162.0	25.0	301.0	25.0	1.0	7.4
2.5	18.0	10.0	10.0	5.0	134.0	17.0	14.0	3.0	25.0
2.5	27.0	15.0	185.0	5.0	24.0	28.0			
47101-624		5.0	5.0	3.0	29.4	105.0	12.0	64.0	2.5
44.0	36.0	0.3	1.0	280.0	12.0	494.0	25.0	1.0	9.9
2.5	20.0	10.0	10.0	5.0	69.0	23.0	15.0	0.5	94.0
2.5	32.0	15.0	174.0	5.0	38.0	43.0			
47101-625		5.0	0.5	1.0	24.8	25.0	15.0	95.0	5.0
21.0	45.0	0.6	0.5	254.0	39.0	182.0	25.0	1.0	2.0
2.5	23.0	10.0	10.0	5.0	1605.0	32.0	14.0	13.0	25.0
2.5	13.0	15.0	115.0	5.0	18.0	65.0			
47101-626		5.0	3.0	2.0	19.8	57.0	14.0	83.0	9.0
37.0	40.0	0.3	0.5	362.0	20.0	312.0	25.0	1.0	2.0
2.5	22.0	10.0	10.0	5.0	112.0	26.0	11.0	6.0	25.0
7.0	33.0	15.0	182.0	5.0	32.0	53.0			
47101-627		5.0	0.5	0.5	21.7	34.0	13.0	79.0	2.5
19.0	69.0	0.3	0.5	272.0	26.0	152.0	25.0	1.0	5.1
2.5	17.0	10.0	10.0	5.0	226.0	23.0	16.0	8.0	75.0
2.5	14.0	15.0	85.0	5.0	17.0	62.0			
47101-628		5.0	0.5	1.0	22.3	84.0	61.0	188.0	2.5
50.0	52.0	1.0	2.0	170.0	36.0	122.0	25.0	1.0	2.0
2.5	13.0	10.0	10.0	5.0	212.0	51.0	35.0	13.0	85.0
2.5	9.0	15.0	56.0	5.0	21.0	109.0			
47101-629		5.0	0.5	0.5	16.1	30.0	21.0	95.0	2.5
22.0	73.0	0.3	1.0	335.0	33.0	100.0	25.0	1.0	2.0
2.5	14.0	10.0	10.0	5.0	282.0	49.0	23.0	7.0	65.0
2.5	11.0	15.0	72.0	5.0	18.0	122.0			
47101-630		5.0	2.0	1.0	28.6	37.0	5.0	71.0	6.0
33.0	41.0	0.3	1.0	271.0	16.0	315.0	25.0	1.0	2.0
5.0	23.0	10.0	10.0	5.0	135.0	23.0	10.0	6.0	25.0
2.5	20.0	15.0	165.0	5.0	24.0	34.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-631		5.0	2.0	1.0	21.7	33.0	17.0	74.0	8.0
34.0	40.0	0.3	0.5	516.0	18.0	282.0	25.0	1.0	2.0
2.5	23.0	10.0	10.0	5.0	153.0	26.0	11.0	7.0	25.0
2.5	23.0	15.0	163.0	5.0	25.0	51.0			
47101-632		5.0	0.5	6.0	17.4	34.0	12.5	109.0	2.5
15.0	81.0	0.3	0.5	2855.0	27.0	73.0	25.0	1.0	2.0
2.5	7.5	10.0	10.0	5.0	222.0	26.0	25.0	3.5	25.0
2.5	11.0	15.0	71.0	5.0	19.0	147.0			
47101-633		5.0	0.5	8.0	14.1	34.0	14.0	135.0	2.5
16.0	85.0	0.3	2.0	3558.0	32.0	73.5	25.0	1.0	2.0
2.5	8.5	10.0	10.0	5.0	287.0	26.5	23.0	4.0	93.0
2.5	12.0	15.0	76.0	5.0	19.0	145.0			
47101-651		5.0	0.5	5.0	40.6	245.0	76.0	143.0	2.5
40.0	65.0	3.8	0.5	206.0	36.0	91.0	25.0	1.0	5.5
2.5	14.0	10.0	10.0	5.0	285.0	52.0	23.0	8.0	73.0
2.5	11.0	15.0	51.0	5.0	19.0	108.0			
47101-652		5.0	0.5	3.0	35.4	274.0	54.0	197.0	2.5
34.0	57.0	1.1	1.0	285.0	34.0	92.0	25.0	1.0	5.3
2.5	14.0	10.0	10.0	5.0	297.0	60.0	27.0	9.0	53.0
2.5	11.0	15.0	53.0	5.0	21.0	125.0			
47101-653		5.0	0.5	34.0	41.5	801.0	134.0	191.0	5.0
111.0	69.0	2.0	2.0	742.0	23.0	108.0	206.0	1.0	7.0
7.0	8.0	10.0	10.0	19.0	396.0	41.0	15.0	7.0	76.0
2.5	9.0	15.0	42.0	5.0	19.0	120.0			
47101-654		5.0	0.5	1.0	35.9	16.0	28.0	158.0	2.5
20.0	62.0	2.1	1.0	1506.0	20.0	221.0	25.0	1.0	6.2
10.0	17.0	10.0	10.0	5.0	250.0	43.0	24.0	13.0	122.0
2.5	13.0	15.0	85.0	5.0	24.0	216.0			
47101-655		5.0	0.5	0.5	43.7	20.0	39.0	148.0	2.5
20.0	56.0	7.8	0.5	1873.0	17.0	228.0	25.0	1.0	6.3
6.0	17.0	10.0	10.0	5.0	258.0	58.0	28.0	9.0	25.0
2.5	14.0	15.0	97.0	5.0	22.0	139.0			
47101-656		5.0	0.5	0.5	27.2	40.0	23.0	94.0	2.5
25.0	52.0	1.3	1.0	171.0	36.0	182.0	25.0	1.0	7.6
2.5	17.0	10.0	10.0	5.0	524.0	52.0	26.0	12.0	102.0
2.5	13.0	15.0	75.0	13.0	23.0	174.0			
47101-657		5.0	0.5	0.5	29.2	57.0	22.0	183.0	2.5
26.0	59.0	0.5	2.0	290.0	38.0	416.0	25.0	1.0	11.8
7.0	15.0	10.0	10.0	5.0	347.0	58.0	25.0	8.0	132.0
2.5	16.0	15.0	64.0	5.0	22.0	164.0			
47101-658		5.0	0.5	0.5	26.0	37.0	64.0	208.0	2.5
23.0	50.0	1.2	2.0	555.0	36.0	253.0	25.0	1.0	11.0
2.5	15.0	10.0	10.0	5.0	332.0	53.0	25.0	11.0	115.0
2.5	13.0	15.0	84.0	5.0	20.0	121.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-659		5.0	0.5	1.0	25.1	125.0	69.0	177.0	2.5
31.0	38.0	0.9	0.5	533.0	16.0	183.0	25.0	1.0	8.0
7.0	12.0	10.0	10.0	5.0	370.0	35.0	17.0	11.0	60.0
2.5	9.0	15.0	63.0	5.0	15.0	153.0			
47101-701		5.0	0.5	0.5	53.9	42.0	17.0	58.0	2.5
25.0	46.0	1.0	0.5	128.0	21.0	118.0	25.0	1.0	8.7
2.5	19.0	10.0	10.0	5.0	238.0	38.0	21.0	16.0	104.0
2.5	9.0	15.0	71.0	5.0	17.0	141.0			
47101-702		5.0	0.5	147.0	37.4	73.0	32.0	101.0	2.5
59.0	62.0	1.1	1.0	1190.0	27.0	206.0	25.0	1.0	17.2
2.5	24.0	10.0	10.0	19.0	235.0	133.0	69.0	27.0	72.0
2.5	11.0	15.0	91.0	5.0	33.0	255.0			
47101-703		5.0	0.5	0.5	29.0	107.0	80.0	848.0	2.5
24.0	49.0	0.6	3.0	295.0	13.0	79.0	25.0	1.0	10.6
2.5	11.0	10.0	10.0	5.0	192.0	35.0	16.0	10.0	25.0
2.5	8.0	15.0	50.0	5.0	15.0	112.0			
47101-704		5.0	0.5	0.5	40.2	106.0	148.0	299.0	7.0
28.0	56.0	0.3	2.0	644.0	20.0	696.0	70.0	1.0	28.5
19.0	11.0	10.0	10.0	12.0	388.0	51.0	16.0	12.0	67.0
2.5	13.0	15.0	95.0	5.0	26.0	160.0			
47101-705		5.0	0.5	4.0	35.2	128.0	201.0	998.0	2.5
30.0	45.0	1.3	3.0	245.0	23.0	217.0	25.0	1.0	15.8
2.5	17.0	10.0	10.0	5.0	393.0	44.0	21.0	9.0	112.0
2.5	15.0	15.0	100.0	5.0	22.0	131.0			
47101-706		5.0	0.5	102.0	42.5	764.0	177.0	412.0	11.0
86.0	63.0	1.3	2.0	448.0	24.0	166.0	92.0	1.0	2.0
13.0	12.0	10.0	10.0	29.0	364.0	49.0	22.0	8.0	92.0
2.5	13.0	34.0	56.0	5.0	22.0	108.0			
47101-707		5.0	0.5	8.0	51.6	507.0	158.0	391.0	8.0
54.0	54.0	1.2	2.0	130.0	29.0	144.0	25.0	1.0	2.0
13.0	16.0	10.0	10.0	21.0	663.0	51.0	23.0	10.0	65.0
2.5	14.0	41.0	80.0	5.0	22.0	121.0			
47101-708		5.0	0.5	0.5	38.4	24.0	11.0	88.0	2.5
25.0	41.0	0.3	1.0	151.0	27.0	280.0	25.0	1.0	7.9
2.5	15.0	10.0	10.0	5.0	171.0	19.0	16.0	7.0	54.0
2.5	26.0	15.0	151.0	5.0	28.0	33.0			
47101-709		5.0	4.5	4.5	16.3	118.0	20.0	87.0	2.5
72.0	48.0	0.3	1.0	278.0	14.0	395.0	25.0	1.0	9.5
2.5	19.0	10.0	10.0	5.0	213.0	27.0	18.0	2.0	25.0
2.5	34.0	15.0	238.0	11.0	37.0	69.0			
47101-710		5.0	4.5	4.5	14.6	47.0	11.0	81.0	2.5
34.0	54.0	0.3	1.0	1579.0	15.0	303.0	25.0	1.0	7.8
2.5	19.0	10.0	10.0	5.0	96.0	19.0	14.0	2.0	118.0
2.5	29.0	33.0	175.0	5.0	29.0	32.0			

Ech Co Bi Sb	Ni Ga Sc	Pt Ag Te Sn	Pd Cd Tl Sr	Au Cr W Ta	po Li Ba Y	Cu V Ce Zr	Pb As La	Zn B Nb	Mo Be Rb
47101-711		5.0	4.5	4.5	17.0	35.0	5.0	118.0	2.5
30.0	47.0	0.3	0.5	2627.0	46.0	281.0	25.0	1.0	8.0
2.5	24.0	10.0	10.0	5.0	151.0	22.0	16.0	5.0	25.0
2.5	22.0	15.0	135.0	5.0	26.0	46.0			
47101-712		5.0	4.5	4.5	17.2	40.0	5.0	91.0	2.5
28.0	44.0	0.3	2.0	410.0	27.0	296.0	25.0	1.0	7.9
2.5	18.0	10.0	10.0	5.0	132.0	17.0	13.0	3.0	25.0
2.5	25.0	15.0	164.0	5.0	26.0	23.0			
47101-713		5.0	4.5	4.5	20.2	49.0	13.0	101.0	2.5
28.0	38.0	0.3	2.0	742.0	46.0	304.0	25.0	1.0	10.3
2.5	21.0	10.0	10.0	5.0	159.0	30.0	21.0	8.0	25.0
2.5	27.0	15.0	138.0	5.0	36.0	131.0			
47101-714		5.0	4.5	4.5	17.7	27.0	10.0	172.0	2.5
25.0	38.0	0.7	0.5	1209.0	116.0	243.0	25.0	1.0	10.4
2.5	32.0	10.0	10.0	5.0	172.0	32.0	23.0	11.0	63.0
2.5	14.0	15.0	87.0	5.0	32.0	91.0			
47101-715		5.0	4.5	4.5	13.2	23.0	23.0	73.0	2.5
17.0	48.0	0.8	0.5	219.0	44.0	107.0	25.0	1.0	5.8
2.5	19.0	10.0	10.0	5.0	401.0	36.0	20.0	11.0	80.0
2.5	8.0	15.0	71.0	5.0	12.0	93.0			
47101-716		5.0	4.5	4.5	25.5	70.0	12.0	78.0	2.5
34.0	77.0	0.3	0.5	1058.0	21.0	315.0	25.0	1.0	9.1
2.5	19.0	10.0	10.0	5.0	225.0	15.0	12.0	2.0	85.0
2.5	28.0	15.0	158.0	5.0	28.0	26.0			
47101-717		5.0	4.0	389.0	17.1	76.0	5.0	99.0	2.5
23.5	77.0	0.3	1.0	5644.0	16.0	198.0	25.0	1.0	2.0
2.5	11.5	10.0	10.0	5.0	460.0	16.5	13.0	1.5	25.0
2.5	36.0	15.0	167.0	5.0	39.0	34.0			
47101-718		5.0	0.5	0.5	23.3	46.0	11.0	182.0	2.5
56.0	220.0	1.1	0.5	11611.0	28.0	285.0	25.0	1.0	15.4
8.0	32.0	10.0	10.0	11.0	401.0	30.0	19.0	8.0	25.0
2.5	22.0	35.0	155.0	5.0	25.0	44.0			
47101-719		5.0	0.5	0.5	18.7	47.0	26.0	215.0	20.0
70.0	208.0	1.8	1.0	15294.0	40.0	258.0	144.0	1.0	17.3
7.0	35.0	10.0	10.0	26.0	10626.0	36.0	19.0	8.0	25.0
10.0	24.0	36.0	182.0	12.0	27.0	51.0			
47101-720		5.0	2.0	97.0	22.5	42.0	35.0	90.0	8.0
31.0	46.0	0.3	0.5	1282.0	17.0	312.0	86.0	1.0	14.3
2.5	21.0	10.0	10.0	23.0	270.0	24.0	14.0	6.0	55.0
33.0	27.0	15.0	158.0	11.0	31.0	83.0			
47101-721		5.0	0.5	0.5	25.8	65.0	18.0	120.0	2.5
50.0	64.0	0.3	0.5	4123.0	17.0	362.0	25.0	1.0	16.3
2.5	27.0	10.0	10.0	26.0	9146.0	24.0	14.0	10.0	25.0
2.5	30.0	36.0	366.0	5.0	30.0	33.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-722		5.0	0.5	0.5	21.3	75.0	18.0	159.0	11.0
70.0	103.0	0.5	0.5	12487.0	14.0	453.0	79.0	1.0	20.3
12.0	35.0	10.0	10.0	33.0	100.0	39.0	17.0	3.0	51.0
2.5	40.0	43.0	161.0	5.0	41.0	68.0			
47101-723		5.0	4.0	0.5	20.3	69.0	23.0	92.0	2.5
37.0	48.0	0.3	0.5	707.0	18.0	340.0	25.0	1.0	15.1
2.5	22.0	10.0	10.0	15.0	110.0	21.0	13.0	3.0	25.0
10.0	35.0	15.0	157.0	5.0	33.0	45.0			
47101-724		5.0	0.5	2.0	17.7	61.0	24.0	125.0	2.5
38.0	67.0	0.8	1.0	167.0	75.0	159.0	25.0	1.0	14.1
2.5	28.0	10.0	10.0	5.0	346.0	39.0	21.0	13.0	61.0
2.5	9.0	15.0	113.0	5.0	11.0	49.0			
47101-725		5.0	2.0	2.0	16.6	63.0	24.0	105.0	2.5
34.0	48.0	0.9	0.5	173.0	50.0	238.0	25.0	1.0	14.3
2.5	26.0	10.0	10.0	5.0	320.0	25.0	15.0	9.0	56.0
2.5	18.0	15.0	139.0	5.0	16.0	60.0			
47101-726		5.0	0.5	0.5	19.4	56.0	19.0	132.0	2.5
30.0	58.0	0.8	1.0	162.0	81.0	168.0	25.0	1.0	12.6
2.5	29.0	10.0	10.0	5.0	366.0	28.0	15.0	9.0	111.0
2.5	10.0	15.0	111.0	5.0	10.0	54.0			
47101-727		5.0	4.0	4.0	18.3	75.0	30.0	72.0	7.0
29.0	38.0	0.3	0.5	164.0	13.0	355.0	84.0	1.0	14.1
2.5	19.0	10.0	10.0	21.0	38.0	11.0	7.0	0.5	63.0
34.0	42.0	15.0	144.0	5.0	32.0	30.0			
47101-728		5.0	4.0	2.0	14.1	89.0	5.0	105.0	2.5
37.0	55.0	0.3	1.0	185.0	19.0	323.0	25.0	1.0	13.7
2.5	18.0	10.0	10.0	5.0	58.0	6.0	6.0	2.0	64.0
2.5	22.0	32.0	112.0	5.0	18.0	11.0			
47101-729		5.0	4.0	2.0	13.2	105.0	5.0	107.0	2.5
49.0	68.0	0.3	0.5	1027.0	27.0	291.0	25.0	1.0	14.2
2.5	20.0	10.0	10.0	5.0	126.0	13.0	10.0	5.0	88.0
2.5	20.0	33.0	123.0	5.0	19.0	20.0			
47101-730		5.0	3.0	8.0	21.7	113.0	10.0	104.0	2.5
54.0	69.0	0.3	0.5	1833.0	23.0	336.0	25.0	1.0	16.3
2.5	21.0	10.0	10.0	5.0	107.0	15.0	11.0	3.0	25.0
2.5	27.0	15.0	145.0	5.0	24.0	22.0			
47101-731		5.0	0.5	0.5	24.0	76.0	5.0	96.0	2.5
31.0	41.0	0.3	1.0	268.0	14.0	527.0	25.0	1.0	17.0
2.5	30.0	10.0	10.0	5.0	49.0	20.0	11.0	0.5	25.0
2.5	30.0	15.0	116.0	12.0	34.0	17.0			
47101-732		5.0	2.0	4.0	17.9	76.0	5.0	82.0	2.5
40.0	51.0	0.3	2.0	343.0	15.0	402.0	25.0	1.0	17.0
2.5	21.0	10.0	10.0	5.0	62.0	15.0	10.0	2.0	56.0
2.5	24.0	15.0	136.0	5.0	25.0	15.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-733		5.0	2.0	1.0	20.1	63.0	5.0	74.0	2.5
32.0	38.0	0.3	1.0	335.0	10.0	412.0	25.0	1.0	15.0
2.5	23.0	10.0	10.0	5.0	49.0	18.0	9.0	0.5	25.0
2.5	31.0	15.0	143.0	5.0	33.0	15.0			
47101-734		5.0	2.0	2.0	18.4	63.0	5.0	83.0	2.5
31.0	47.0	0.3	0.5	212.0	12.0	362.0	25.0	1.0	12.7
2.5	20.0	10.0	10.0	5.0	57.0	10.0	8.0	0.5	51.0
2.5	23.0	15.0	127.0	5.0	23.0	12.0			
47101-735		5.0	0.5	1.0	19.0	22.0	9.0	242.0	2.5
27.0	102.0	1.5	0.5	998.0	22.0	384.0	25.0	1.0	22.1
2.5	13.5	10.0	10.0	5.0	197.0	11.0	21.0	8.0	25.0
2.5	34.0	22.0	264.0	13.0	26.0	135.0			
47101-736		5.0	0.5	3.0	20.8	32.0	8.0	216.0	2.5
24.5	77.0	1.8	2.0	414.0	32.0	344.0	25.0	1.0	20.2
2.5	13.0	10.0	10.0	5.0	284.0	11.5	21.0	12.0	69.0
2.5	35.0	15.0	316.0	5.0	23.0	160.0			
47101-737		5.0	2.0	0.5	21.6	51.0	5.0	183.0	2.5
30.0	164.0	0.3	2.0	13371.0	19.0	181.0	25.0	1.0	17.5
7.0	15.5	10.0	10.0	5.0	805.0	10.5	16.0	2.0	25.0
2.5	25.0	15.0	160.0	5.0	27.0	23.0			
47101-738		5.0	0.5	1.0	22.0	31.0	19.0	155.0	2.5
15.5	80.0	0.3	1.0	573.0	40.0	147.5	25.0	1.0	14.1
2.5	10.0	10.0	10.0	5.0	364.0	14.0	19.0	3.0	65.0
2.5	22.0	15.0	233.0	5.0	25.0	91.0			
47101-739		5.0	0.5	1.0	20.1	27.0	17.0	82.0	2.5
22.0	50.0	0.8	0.5	651.0	22.0	165.0	25.0	1.0	9.7
2.5	19.0	10.0	10.0	5.0	261.0	26.0	15.0	8.0	25.0
2.5	12.0	15.0	93.0	5.0	17.0	54.0			
47101-740		5.0	0.5	0.5	19.6	33.0	19.0	101.0	2.5
25.0	69.0	0.7	0.5	898.0	27.0	162.0	25.0	1.0	10.5
2.5	20.0	10.0	10.0	5.0	327.0	32.0	18.0	8.0	111.0
2.5	13.0	15.0	95.0	5.0	19.0	58.0			
47101-741		5.0	2.0	4.0	11.3	124.0	17.0	80.0	2.5
45.0	42.0	0.3	1.0	219.0	15.0	410.0	25.0	1.0	19.3
2.5	21.0	10.0	10.0	5.0	82.0	22.0	13.0	1.0	68.0
2.5	31.0	15.0	194.0	5.0	30.0	29.0			
47101-742		5.0	3.0	3.0	16.5	59.0	5.0	98.0	2.5
48.0	46.0	0.3	0.5	176.0	15.0	331.0	25.0	1.0	2.0
2.5	23.0	10.0	10.0	5.0	86.0	28.0	10.0	4.0	25.0
2.5	24.0	32.0	239.0	5.0	26.0	30.0			
47101-743		5.0	4.0	5.0	8.7	96.0	5.0	80.0	9.0
45.0	49.0	0.3	1.0	243.0	19.0	324.0	25.0	1.0	2.0
2.5	23.0	10.0	10.0	5.0	136.0	25.0	10.0	7.0	25.0
2.5	24.0	15.0	225.0	5.0	23.0	67.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-744		5.0	2.0	2.0	14.5	36.0	5.0	88.0	5.0
27.0	37.0	0.3	1.0	173.0	15.0	316.0	25.0	1.0	2.0
2.5	24.0	10.0	10.0	5.0	74.0	27.0	11.0	5.0	25.0
2.5	26.0	15.0	224.0	5.0	28.0	44.0			
47101-745		5.0	2.0	0.5	22.6	28.0	27.0	72.0	10.0
23.0	35.0	0.3	0.5	156.0	12.0	305.0	60.0	1.0	2.0
2.5	24.0	10.0	10.0	5.0	65.0	29.0	10.0	5.0	25.0
29.0	35.0	15.0	269.0	5.0	32.0	83.0			
47101-746		5.0	4.0	432.0	15.8	45.0	5.0	67.0	7.0
41.0	50.0	0.3	0.5	1181.0	10.0	361.0	25.0	1.0	2.0
2.5	28.0	10.0	10.0	5.0	82.0	29.0	8.0	0.5	25.0
2.5	27.0	15.0	198.0	5.0	32.0	25.0			
47101-751		5.0	0.5	0.5	61.0	52.0	17.0	78.0	2.5
31.0	50.0	1.4	1.0	112.0	60.0	154.0	25.0	1.0	12.2
2.5	29.0	10.0	10.0	5.0	344.0	64.0	34.0	45.0	57.0
2.5	16.0	15.0	118.0	5.0	21.0	79.0			
47101-752		5.0	0.5	0.5	40.6	40.0	20.0	55.0	2.5
29.0	50.0	1.3	0.5	210.0	34.0	111.0	25.0	1.0	10.1
2.5	24.0	10.0	10.0	5.0	409.0	85.0	44.0	14.0	95.0
2.5	12.0	15.0	88.0	5.0	22.0	94.0			
47101-753		5.0	0.5	1.0	35.3	40.0	27.0	106.0	2.5
29.0	77.0	1.4	0.5	2191.0	45.0	174.0	25.0	1.0	11.5
2.5	25.0	10.0	10.0	5.0	322.0	51.0	24.0	11.0	25.0
2.5	18.0	15.0	128.0	5.0	21.0	82.0			
47101-801		5.0	0.5	41.0	45.0	621.0	616.0	1173.0	2.5
107.0	68.0	0.3	6.0	628.0	12.0	394.0	331.0	1.0	32.2
22.0	9.0	10.0	10.0	22.0	372.0	26.0	9.0	0.5	25.0
2.5	15.0	15.0	72.0	5.0	20.0	96.0			
47101-802		5.0	0.5	9.0	45.9	447.0	226.0	793.0	2.5
63.0	60.0	1.9	4.0	106.0	25.0	155.0	141.0	1.0	23.5
2.5	15.0	10.0	10.0	5.0	588.0	37.0	14.0	7.0	91.0
2.5	14.0	15.0	54.0	5.0	22.0	95.0			
47101-803		5.0	0.5	9.0	39.6	246.0	354.0	707.0	2.5
51.0	69.0	2.0	4.0	88.0	17.0	114.0	154.0	1.0	23.6
2.5	16.0	10.0	10.0	5.0	796.0	40.0	15.0	9.0	25.0
2.5	12.0	15.0	39.0	5.0	19.0	106.0			
47101-804		5.0	0.5	37.0	59.2	850.0	232.0	359.0	7.0
119.0	57.0	2.2	5.0	1158.0	12.0	249.0	281.0	1.0	35.9
17.0	7.0	10.0	10.0	100.0	395.0	29.0	3.0	4.0	52.0
2.5	10.0	15.0	42.0	17.0	18.0	118.0			
47101-805		5.0	0.5	18.0	50.2	372.0	4079.0	20000.0	2.5
32.0	37.0	3.1	178.0	72.0	21.0	110.0	78.0	1.0	17.0
2.5	19.0	10.0	10.0	42.0	551.0	38.0	17.0	9.0	93.0
2.5	10.0	82.0	59.0	5.0	18.0	91.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-806		5.0	0.5	3.0	47.9	76.0	3325.0	546.0	2.5
22.0	39.0	5.2	3.0	243.0	16.0	152.0	25.0	1.0	13.4
2.5	14.0	10.0	10.0	5.0	325.0	37.0	17.0	8.0	83.0
2.5	12.0	15.0	65.0	5.0	18.0	111.0			
47101-807		5.0	0.5	2.0	40.2	35.0	171.0	1142.0	2.5
18.0	28.0	1.3	4.0	130.0	18.0	145.0	25.0	1.0	11.3
6.0	15.0	10.0	10.0	5.0	687.0	36.0	16.0	273.0	93.0
2.5	11.0	15.0	65.0	17.0	17.0	107.0			
47101-808		5.0	0.5	0.5	38.3	34.0	95.0	381.0	2.5
20.0	42.0	1.2	2.0	299.0	19.0	116.0	25.0	1.0	10.5
5.0	14.0	10.0	10.0	5.0	226.0	62.0	28.0	11.0	112.0
2.5	11.0	15.0	68.0	5.0	19.0	151.0			
47101-809		5.0	0.5	0.5	47.7	28.0	27.0	88.0	2.5
20.0	68.0	0.7	0.5	243.0	44.0	94.0	25.0	1.0	7.5
2.5	18.0	10.0	10.0	5.0	349.0	47.0	25.0	11.0	122.0
2.5	9.0	15.0	74.0	5.0	15.0	113.0			
47101-810		5.0	0.5	0.5	56.5	26.0	23.0	77.0	2.5
18.0	62.0	0.8	0.5	197.0	45.0	88.0	25.0	1.0	7.0
2.5	18.0	10.0	10.0	5.0	331.0	50.0	24.0	10.0	115.0
2.5	9.0	15.0	75.0	5.0	16.0	116.0			
47101-811		5.0	0.5	0.5	42.2	37.0	23.0	68.0	2.5
21.0	67.0	1.1	0.5	237.0	45.0	91.0	25.0	1.0	7.8
2.5	21.0	21.0	10.0	11.0	328.0	56.0	26.0	1109.0	74.0
8.0	11.0	15.0	67.0	34.0	26.0	159.0			
47101-812		5.0	0.5	0.5	36.6	16.0	20.0	70.0	2.5
15.0	50.0	0.8	0.5	204.0	45.0	72.0	25.0	1.0	6.1
2.5	16.0	10.0	10.0	5.0	309.0	45.0	22.0	10.0	126.0
2.5	8.0	15.0	79.0	5.0	14.0	108.0			
47101-813		5.0	0.5	0.5	39.6	36.0	20.0	88.0	2.5
30.0	53.0	0.9	1.0	179.0	32.0	209.0	25.0	1.0	12.6
2.5	20.0	10.0	10.0	5.0	542.0	53.0	26.0	11.0	125.0
2.5	15.0	15.0	115.0	5.0	22.0	184.0			
47101-814		5.0	0.5	0.5	40.3	19.0	14.0	113.0	2.5
17.0	42.0	1.2	0.5	608.0	18.0	152.0	25.0	1.0	7.0
2.5	19.0	10.0	10.0	5.0	267.0	39.0	20.0	32.0	52.0
2.5	15.0	15.0	111.0	5.0	29.0	107.0			
47101-815		5.0	0.5	0.5	17.7	29.0	5.0	134.0	2.5
16.0	48.0	0.3	2.0	7513.0	12.0	185.0	25.0	1.0	21.4
22.0	11.0	10.0	10.0	5.0	898.0	13.5	22.0	5.5	51.0
2.5	25.0	15.0	128.0	11.0	46.0	129.0			
47101-816		5.0	0.5	1.0	23.6	27.0	5.0	94.0	2.5
15.0	40.0	0.3	0.5	2183.0	18.0	143.0	25.0	1.0	15.3
2.5	10.0	10.0	10.0	5.0	11859.0	14.0	17.0	4.5	81.0
2.5	20.0	15.0	294.0	5.0	30.0	64.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-817		5.0	0.5	0.5	18.5	27.0	5.0	105.0	2.5
14.0	43.0	0.3	0.5	3788.0	16.0	158.5	25.0	1.0	16.8
10.0	10.5	10.0	10.0	5.0	2843.0	10.5	16.0	5.5	73.0
2.5	22.0	15.0	174.0	5.0	36.0	72.0			
47101-818		5.0	0.5	0.5	29.4	40.0	11.0	98.0	2.5
33.0	62.0	0.3	2.0	2766.0	20.0	268.0	25.0	1.0	12.3
2.5	22.0	10.0	10.0	5.0	216.0	20.0	14.0	5.0	71.0
2.5	17.0	15.0	141.0	5.0	20.0	38.0			
47101-819		5.0	0.5	0.5	28.6	35.0	31.0	125.0	2.5
20.0	46.0	0.7	0.5	865.0	23.0	130.0	25.0	1.0	2.0
2.5	14.0	10.0	10.0	5.0	391.0	48.0	23.0	10.0	25.0
2.5	10.0	15.0	66.0	5.0	17.0	161.0			
47101-820		5.0	0.5	111.0	52.9	873.0	216.0	429.0	12.0
99.0	62.0	1.7	5.0	438.0	21.0	165.0	101.0	1.0	2.0
19.0	9.0	10.0	10.0	37.0	506.0	55.0	21.0	7.0	25.0
2.5	12.0	46.0	58.0	5.0	25.0	152.0			
47101-821		5.0	0.5	0.5	35.0	52.0	5.0	119.0	2.5
49.0	64.0	0.3	1.0	5735.0	17.0	337.0	25.0	1.0	15.5
2.5	27.0	10.0	10.0	5.0	170.0	22.0	13.0	4.0	102.0
2.5	18.0	15.0	161.0	5.0	22.0	38.0			
47101-822		5.0	0.5	0.5	23.9	34.0	5.0	188.0	2.5
30.5	75.0	0.3	0.5	17205.0	9.0	233.0	25.0	1.0	19.7
14.0	20.0	10.0	10.0	5.0	85.0	13.0	16.0	1.5	25.0
2.5	22.0	15.0	179.0	5.0	30.0	51.0			
47101-823		5.0	1.0	0.5	24.3	56.0	11.0	85.0	2.5
34.0	67.0	0.3	1.0	2205.0	21.0	325.0	25.0	1.0	15.5
2.5	22.0	10.0	10.0	5.0	151.0	16.0	12.0	4.0	64.0
2.5	28.0	15.0	144.0	5.0	25.0	57.0			
47101-824		5.0	2.0	0.5	28.2	135.0	13.0	91.0	2.5
72.0	60.0	0.3	1.0	572.0	12.0	401.0	25.0	1.0	16.2
2.5	26.0	10.0	10.0	5.0	49.0	19.0	9.0	0.5	25.0
2.5	28.0	15.0	169.0	5.0	30.0	15.0			
47101-825		5.0	0.5	1.0	25.3	73.0	5.0	106.0	2.5
285.5	61.0	2.2	3.0	2249.0	11.0	421.5	25.0	1.0	32.1
2.5	14.0	10.0	10.0	14.0	77.0	16.0	27.0	18.0	25.0
2.5	29.0	24.0	118.0	14.0	39.0	108.0			
47101-826		5.0	0.5	0.5	35.4	29.0	5.0	94.0	2.5
18.5	44.0	1.5	2.0	1295.0	10.0	310.5	25.0	1.0	29.5
2.5	11.5	10.0	10.0	5.0	74.0	12.5	21.0	19.0	67.0
2.5	29.0	19.0	124.0	5.0	41.0	119.0			
47101-827		5.0	0.5	6.0	15.0	30.0	5.0	89.0	2.5
14.5	50.0	0.3	0.5	1961.0	12.0	196.0	25.0	1.0	19.1
20.0	8.0	10.0	10.0	5.0	60.0	8.5	16.0	0.5	25.0
2.5	31.0	15.0	142.0	5.0	37.0	54.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-828		5.0	1.0	2.0	17.8	72.0	5.0	106.0	2.5
45.0	71.0	0.3	0.5	4438.0	15.0	358.0	25.0	1.0	15.5
2.5	26.0	10.0	10.0	5.0	89.0	23.0	13.0	2.0	65.0
2.5	37.0	15.0	163.0	5.0	36.0	32.0			
47101-829		5.0	2.0	5.0	18.9	104.0	5.0	76.0	2.5
47.0	48.0	0.3	2.0	2333.0	12.0	416.0	25.0	1.0	16.3
2.5	25.0	10.0	10.0	13.0	81.0	18.0	11.0	0.5	51.0
2.5	38.0	39.0	160.0	5.0	35.0	28.0			
47101-830		5.0	0.5	3.0	31.1	172.0	5.0	114.0	2.5
64.0	76.0	0.3	1.0	5877.0	16.0	350.0	25.0	1.0	15.6
2.5	28.0	10.0	10.0	5.0	121.0	20.0	12.0	0.5	58.0
2.5	27.0	15.0	157.0	5.0	29.0	19.0			
47101-831		5.0	3.0	4.0	21.1	126.0	11.0	69.0	2.5
57.0	42.0	0.3	0.5	465.0	14.0	456.0	25.0	1.0	21.9
2.5	21.0	10.0	10.0	12.0	438.0	17.0	12.0	4.0	25.0
2.5	29.0	36.0	161.0	5.0	28.0	32.0			
47101-832		5.0	10.0	6.0	20.4	70.0	21.0	123.0	2.5
42.0	70.0	0.3	0.5	1748.0	20.0	276.0	25.0	1.0	15.5
2.5	20.0	10.0	10.0	5.0	312.0	23.0	16.0	4.0	103.0
2.5	27.0	15.0	160.0	12.0	30.0	40.0			
47101-833		5.0	0.5	2.0	20.4	69.0	15.0	81.0	2.5
31.0	71.0	0.3	0.5	443.0	21.0	242.0	25.0	1.0	11.8
2.5	20.0	10.0	10.0	5.0	208.0	17.0	13.0	6.0	133.0
2.5	23.0	15.0	109.0	5.0	21.0	42.0			
47101-834		5.0	2.0	0.5	16.9	85.0	14.0	87.0	2.5
37.0	53.0	0.3	0.5	1073.0	16.0	416.0	25.0	1.0	20.8
2.5	20.0	10.0	10.0	5.0	100.0	21.0	14.0	3.0	25.0
2.5	34.0	15.0	105.0	5.0	32.0	18.0			
47101-835		5.0	766.0	0.5	21.0	104.0	11.0	99.0	2.5
44.0	66.0	0.3	1.0	1007.0	16.0	347.0	25.0	1.0	14.6
2.5	23.0	10.0	10.0	5.0	99.0	21.0	11.0	0.5	69.0
2.5	34.0	15.0	160.0	5.0	34.0	19.0			
47101-836		5.0	0.5	4.0	15.7	55.0	14.0	109.0	2.5
22.0	69.0	0.8	0.5	1024.0	58.0	163.0	25.0	1.0	9.4
2.5	24.0	10.0	10.0	5.0	306.0	29.0	17.0	9.0	97.0
2.5	10.0	15.0	57.0	5.0	13.0	67.0			
47101-837		5.0	3.0	5.0	16.0	39.0	21.0	103.0	2.5
31.0	63.0	0.3	1.0	368.0	22.0	262.0	25.0	1.0	13.4
2.5	19.0	10.0	10.0	5.0	755.0	25.0	16.0	3.0	25.0
2.5	28.0	15.0	180.0	5.0	30.0	40.0			
47101-838		5.0	1.0	1.0	21.5	106.0	5.0	84.0	2.5
43.0	40.0	0.3	1.0	230.0	10.0	439.0	25.0	1.0	14.0
2.5	23.0	10.0	10.0	5.0	35.0	13.0	7.0	0.5	50.0
2.5	24.0	15.0	125.0	5.0	25.0	32.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-839		5.0	2.0	3.0	25.6	50.0	23.0	97.0	2.5
35.0	68.0	0.3	1.0	543.0	17.0	315.0	25.0	1.0	14.9
2.5	21.0	10.0	10.0	5.0	206.0	23.0	14.0	2.0	54.0
2.5	32.0	15.0	173.0	5.0	31.0	36.0			
47101-840		5.0	3.0	4.0	12.8	60.0	21.0	102.0	2.5
30.0	69.0	0.5	1.0	335.0	37.0	228.0	25.0	1.0	12.6
2.5	20.0	10.0	10.0	5.0	364.0	25.0	16.0	6.0	74.0
2.5	23.0	15.0	124.0	5.0	23.0	50.0			
47101-841		5.0	2.0	1.0	20.6	36.0	22.0	117.0	2.5
29.0	65.0	0.3	1.0	444.0	30.0	252.0	25.0	1.0	13.3
2.5	19.0	10.0	10.0	5.0	372.0	27.0	18.0	5.0	25.0
2.5	28.0	15.0	169.0	5.0	29.0	54.0			
47101-842		5.0	0.5	3.0	13.0	26.0	22.0	104.0	2.5
27.0	57.0	0.9	1.0	258.0	51.0	168.0	25.0	1.0	10.4
2.5	22.0	10.0	10.0	5.0	353.0	39.0	18.0	10.0	25.0
2.5	12.0	15.0	77.0	5.0	17.0	79.0			
47101-843		5.0	0.5	2.0	18.5	32.0	20.0	129.0	2.5
28.0	66.0	0.9	1.0	577.0	49.0	194.0	25.0	1.0	10.6
2.5	21.0	10.0	10.0	5.0	309.0	36.0	16.0	10.0	25.0
2.5	13.0	15.0	84.0	5.0	17.0	62.0			
47101-844		5.0	1.0	3.0	18.5	36.0	13.0	124.0	2.5
15.0	70.0	0.3	0.5	613.0	42.0	130.0	25.0	1.0	13.5
2.5	10.0	10.0	10.0	5.0	253.0	15.0	16.0	4.0	54.0
2.5	16.0	15.0	100.0	5.0	20.0	71.0			
47101-845		5.0	2.0	1.0	22.8	35.0	11.5	143.0	2.5
15.0	69.0	0.3	0.5	559.0	55.0	136.0	25.0	1.0	13.4
2.5	9.5	10.0	10.0	5.0	263.0	15.0	18.0	3.5	25.0
2.5	21.0	15.0	113.0	5.0	23.0	80.0			
47101-846		5.0	0.5	0.5	23.7	37.0	12.0	186.0	2.5
17.0	75.0	0.3	0.5	308.0	52.0	134.5	25.0	1.0	13.1
2.5	9.0	10.0	10.0	5.0	316.0	18.5	18.0	3.0	73.0
2.5	22.0	15.0	162.0	5.0	22.0	88.0			
47101-847		5.0	2.0	9.0	14.8	40.0	17.0	86.0	9.0
34.0	48.0	0.3	1.0	504.0	20.0	354.0	25.0	1.0	2.0
2.5	24.0	10.0	10.0	5.0	144.0	28.0	11.0	10.0	25.0
10.0	27.0	15.0	191.0	5.0	29.0	81.0			
47101-848		5.0	3.0	4.0	25.3	38.0	5.0	81.0	7.0
15.5	38.0	0.3	1.0	441.0	15.0	180.5	25.0	1.0	2.0
23.0	10.0	10.0	10.0	5.0	120.0	12.0	11.0	6.0	25.0
2.5	25.0	15.0	154.0	5.0	34.0	81.0			
47101-849		5.0	2.0	836.0	20.4	34.0	10.0	83.0	10.0
13.0	39.0	0.3	0.5	335.0	15.0	162.5	25.0	1.0	2.0
16.0	10.0	10.0	10.0	12.0	141.0	17.0	16.0	7.5	25.0
6.0	28.0	15.0	165.0	14.0	35.0	124.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-850		5.0	4.0	3.0	20.7	60.0	5.0	119.0	6.0
35.0	53.0	0.3	0.5	165.0	16.0	361.0	25.0	1.0	2.0
2.5	23.0	10.0	10.0	5.0	51.0	24.0	8.0	4.0	25.0
2.5	28.0	15.0	147.0	5.0	29.0	19.0			
47101-855		5.0	0.5	0.5	46.2	16.0	18.0	51.0	2.5
15.0	49.0	0.7	0.5	528.0	26.0	68.0	25.0	1.0	5.4
2.5	13.0	10.0	10.0	5.0	216.0	64.0	30.0	9.0	94.0
2.5	8.0	15.0	61.0	5.0	18.0	162.0			
47101-856		5.0	0.5	0.5	31.4	219.0	21.0	91.0	2.5
20.0	64.0	0.8	0.5	211.0	27.0	91.0	25.0	1.0	8.1
2.5	16.0	10.0	10.0	5.0	392.0	50.0	25.0	10.0	93.0
2.5	11.0	15.0	42.0	5.0	18.0	118.0			
47101-857		5.0	0.5	0.5	36.1	11.0	11.0	46.0	2.5
13.0	40.0	0.8	0.5	895.0	26.0	56.0	25.0	1.0	4.3
2.5	13.0	10.0	10.0	5.0	201.0	71.0	34.0	9.0	64.0
2.5	7.0	15.0	57.0	5.0	19.0	260.0			
47101-858		14.0	101.0	9157.0	27.8	29.0	33.0	77.0	2.5
17.0	43.0	1.0	0.5	1645.0	15.0	62.0	25.0	1.0	8.1
2.5	16.0	10.0	10.0	5.0	235.0	44.0	21.0	26.0	100.0
2.5	7.0	15.0	37.0	5.0	22.0	176.0			
47101-859		5.0	0.5	2.0	26.2	21.0	19.0	37.0	2.5
10.0	27.0	0.8	0.5	590.0	20.0	45.0	25.0	1.0	5.4
2.5	18.0	10.0	10.0	5.0	200.0	52.0	29.0	70.0	118.0
2.5	5.0	15.0	39.0	5.0	38.0	192.0			
47101-860		5.0	0.5	0.5	23.7	21.0	16.0	59.0	2.5
11.0	23.0	0.3	0.5	145.0	20.0	37.0	25.0	1.0	4.8
2.5	15.0	10.0	10.0	5.0	332.0	54.0	28.0	20.0	135.0
2.5	5.0	15.0	30.0	5.0	24.0	157.0			
47101-861		5.0	0.5	0.5	45.1	19.0	26.0	81.0	2.5
25.0	64.0	0.7	0.5	257.0	35.0	102.0	25.0	1.0	7.3
2.5	17.0	10.0	10.0	5.0	308.0	64.0	30.0	10.0	126.0
2.5	11.0	15.0	69.0	5.0	19.0	120.0			
47101-862		5.0	1.0	1.0	26.5	25.0	6.5	114.0	2.5
11.0	37.0	0.3	1.0	365.0	21.0	128.5	25.0	1.0	14.9
5.0	9.0	10.0	10.0	5.0	187.0	10.0	14.0	7.5	25.0
2.5	20.0	15.0	134.0	5.0	23.0	71.0			
47101-863		5.0	2.0	0.5	24.0	17.0	8.0	93.0	2.5
13.5	30.0	0.4	2.0	473.0	14.0	184.0	25.0	1.0	23.2
2.5	9.5	10.0	10.0	5.0	133.0	15.0	22.0	15.5	67.0
2.5	30.0	22.5	147.0	5.0	45.0	173.0			
47101-864		5.0	0.5	0.5	19.8	14.0	6.5	96.0	2.5
15.5	29.0	1.5	2.0	799.0	11.0	195.0	25.0	1.0	25.5
2.5	11.5	10.0	10.0	5.0	325.0	13.5	20.0	21.5	25.0
2.5	23.0	18.5	122.0	5.0	45.0	241.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-865		5.0	0.5	0.5	18.8	12.0	11.0	97.0	2.5
14.0	43.0	0.3	0.5	250.0	47.0	63.0	25.0	6.0	6.4
2.5	15.0	10.0	10.0	5.0	926.0	31.0	15.0	9.0	93.0
2.5	4.0	15.0	55.0	5.0	9.0	91.0			
47101-866		5.0	0.5	0.5	21.2	25.0	15.0	75.0	2.5
20.0	42.0	0.9	0.5	378.0	30.0	146.0	25.0	1.0	9.7
2.5	21.0	10.0	10.0	5.0	362.0	31.0	17.0	10.0	103.0
2.5	12.0	15.0	87.0	5.0	16.0	82.0			
47101-867		5.0	0.5	0.5	22.3	29.0	17.0	83.0	2.5
20.0	48.0	0.7	0.5	525.0	28.0	168.0	25.0	1.0	10.8
2.5	21.0	10.0	10.0	5.0	533.0	32.0	17.0	9.0	82.0
2.5	13.0	15.0	104.0	5.0	18.0	71.0			
47101-868		5.0	1.0	0.5	17.4	45.0	5.0	117.0	2.5
17.5	55.0	0.3	0.5	1909.0	21.0	165.5	25.0	1.0	16.8
8.0	10.5	10.0	10.0	10.0	78.0	11.0	14.0	0.5	25.0
2.5	37.0	15.0	167.0	5.0	41.0	24.0			
47101-869		5.0	0.5	0.5	18.8	34.0	109.0	179.0	2.5
24.0	75.0	0.3	0.5	12417.0	14.0	217.5	25.0	1.0	21.2
26.0	15.5	10.0	10.0	5.0	491.0	14.0	20.0	0.5	80.0
2.5	38.0	15.0	195.0	5.0	46.0	60.0			
47101-870		5.0	0.5	0.5	19.2	23.0	5.0	172.0	2.5
21.0	59.0	0.3	0.5	13680.0	8.0	231.5	25.0	1.0	22.0
18.0	16.5	10.0	10.0	5.0	51.0	13.0	19.0	0.5	25.0
2.5	50.0	15.0	181.0	5.0	47.0	75.0			
47101-871		5.0	2.0	0.5	16.5	53.0	13.0	106.0	2.5
37.0	68.0	0.3	1.0	302.0	19.0	297.0	25.0	1.0	15.5
2.5	19.0	10.0	10.0	5.0	152.0	15.0	9.0	2.0	106.0
2.5	34.0	36.0	180.0	5.0	28.0	21.0			
47101-872		5.0	0.5	0.5	16.9	23.0	15.0	98.0	2.5
23.0	42.0	0.3	0.5	505.0	22.0	269.0	25.0	1.0	15.3
2.5	19.0	10.0	10.0	5.0	146.0	17.0	13.0	10.0	63.0
2.5	25.0	15.0	145.0	5.0	26.0	57.0			
47101-873		5.0	0.5	0.5	17.2	45.0	5.0	98.0	2.5
17.5	47.0	0.3	1.0	1100.0	17.0	179.0	25.0	1.0	20.2
2.5	10.0	10.0	10.0	5.0	269.0	11.5	17.0	4.5	77.0
2.5	32.0	15.0	165.0	5.0	37.0	71.0			
47101-875		5.0	751.0	0.5	20.0	154.0	5.0	96.0	2.5
22.5	55.0	0.9	0.5	4127.0	15.0	193.0	25.0	1.0	16.1
2.5	11.0	10.0	10.0	5.0	51.0	7.5	7.0	0.5	98.0
2.5	28.0	19.5	116.0	5.0	31.0	15.0			
47101-876		4.5	4.5	4.5	17.9	43.0	5.0	480.0	2.5
71.5	195.0	0.3	0.5	20000.0	14.0	303.5	25.0	1.0	27.8
34.0	39.5	10.0	10.0	13.0	59.0	21.5	28.0	2.5	25.0
114.0	30.0	28.5	107.0	5.0	38.0	36.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-877		5.0	8.0	7.0	19.2	136.0	10.0	88.0	2.5
111.0	77.0	0.3	1.0	252.0	16.0	376.0	25.0	1.0	2.0
2.5	18.0	10.0	10.0	5.0	60.0	29.0	9.0	1.0	25.0
2.5	45.0	36.0	196.0	5.0	43.0	37.0			
47101-878		5.0	1.0	0.5	20.2	46.0	12.0	91.0	2.5
33.0	44.0	0.3	1.0	128.0	20.0	233.0	25.0	1.0	2.0
2.5	15.0	10.0	10.0	5.0	153.0	41.0	18.0	0.5	53.0
2.5	37.0	39.0	152.0	5.0	46.0	69.0			
47101-879		5.0	4.0	0.5	16.3	137.0	5.0	100.0	2.5
59.0	65.0	0.3	0.5	155.0	18.0	357.0	25.0	1.0	2.0
2.5	21.0	10.0	10.0	5.0	61.0	21.0	7.0	3.0	25.0
2.5	40.0	42.0	147.0	5.0	36.0	41.0			
47101-880		5.0	0.5	2.0	10.7	31.0	15.0	78.0	2.5
23.0	43.0	0.6	0.5	293.0	33.0	171.0	25.0	1.0	2.0
2.5	15.0	10.0	10.0	5.0	11131.0	42.0	20.0	11.0	53.0
2.5	18.0	15.0	375.0	5.0	23.0	84.0			
47101-881		5.0	0.5	1.0	17.8	46.0	11.5	197.0	2.5
14.0	47.0	0.4	1.0	163.0	37.0	178.0	25.0	1.0	2.0
6.0	8.5	10.0	10.0	5.0	210.0	30.5	26.0	1.5	25.0
2.5	17.0	15.0	106.0	5.0	26.0	200.0			
47101-882		5.0	1.0	5.0	18.2	65.0	13.0	188.0	2.5
14.0	55.0	0.4	0.5	245.0	28.0	160.0	25.0	1.0	2.0
6.0	8.0	10.0	10.0	5.0	1171.0	28.0	24.0	2.0	25.0
2.5	18.0	15.0	126.0	5.0	30.0	198.0			
47101-882A		5.0	3.0	7.0	23.6	59.0	5.0	78.0	2.5
32.0	74.0	0.3	0.5	458.0	14.0	345.0	25.0	1.0	2.0
2.5	23.0	10.0	10.0	5.0	61.0	31.0	12.0	3.0	25.0
2.5	43.0	35.0	194.0	5.0	43.0	49.0			
47101-900		5.0	3.0	0.5	14.2	100.0	5.0	148.0	7.0
49.0	63.0	0.3	1.0	167.0	18.0	351.0	25.0	1.0	2.0
2.5	22.0	10.0	10.0	5.0	70.0	22.0	7.0	5.0	25.0
2.5	36.0	45.0	113.0	5.0	30.0	18.0			
47101-901		5.0	5.0	0.5	15.0	40.0	5.0	487.0	9.0
73.0	169.0	0.5	1.0	20000.0	12.0	275.5	25.0	1.0	2.0
47.0	37.5	10.0	10.0	5.0	67.0	20.0	16.0	3.5	74.0
109.0	26.0	15.0	97.0	12.0	32.0	24.0			
47101-902		5.0	2.0	0.5	18.3	32.0	5.0	475.0	9.0
70.0	168.0	0.3	0.5	20000.0	16.0	285.0	25.0	1.0	2.0
49.0	37.5	10.0	10.0	11.0	65.0	20.5	18.0	3.0	70.0
108.0	28.0	17.0	112.0	5.0	33.0	25.0			
47101-1001		5.0	0.5	4.0	14.5	31.0	28.0	158.0	6.0
23.0	99.0	1.2	1.0	325.0	40.0	123.0	25.0	1.0	4.6
2.5	27.0	10.0	10.0	5.0	447.0	96.0	44.0	42.0	93.0
2.5	15.0	15.0	165.0	5.0	29.0	200.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-1002		5.0	0.5	0.5	13.9	17.0	22.0	212.0	7.0
26.0	62.0	1.5	0.5	2929.0	49.0	161.0	25.0	1.0	4.4
6.0	31.0	10.0	10.0	5.0	455.0	88.0	41.0	41.0	25.0
2.5	16.0	15.0	115.0	5.0	24.0	220.0			
47101-1003		5.0	0.5	0.5	15.3	20.0	22.0	67.0	8.0
16.0	33.0	0.7	1.0	204.0	22.0	182.0	25.0	1.0	5.8
2.5	25.0	10.0	10.0	5.0	439.0	113.0	56.0	108.0	64.0
2.5	13.0	15.0	290.0	5.0	36.0	605.0			
47101-1004		5.0	0.5	0.5	13.1	19.0	9.0	73.0	9.0
6.5	26.0	0.3	0.5	202.0	26.0	72.5	25.0	1.0	5.8
12.0	11.5	10.0	10.0	94.0	375.0	67.0	65.0	89.5	82.0
2.5	12.0	15.0	242.0	15.0	46.0	1437.0			
47101-1005		5.0	0.5	0.5	13.8	23.0	14.0	85.0	6.0
15.0	52.0	1.1	0.5	181.0	38.0	113.0	25.0	1.0	4.9
2.5	24.0	10.0	10.0	14.0	433.0	111.0	54.0	84.0	76.0
2.5	14.0	15.0	253.0	5.0	34.0	564.0			
47101-1006		5.0	0.5	0.5	11.5	36.0	6.0	73.0	5.0
18.0	12.0	3.7	0.5	159.0	10.0	121.0	25.0	1.0	2.0
2.5	14.5	10.0	10.0	92.0	286.0	143.5	142.0	169.5	126.0
2.5	15.0	24.5	287.0	23.0	101.0	3336.0			
47101-1007		5.0	0.5	0.5	13.8	17.0	5.0	57.0	2.5
3.0	10.0	0.3	0.5	150.0	10.0	52.0	25.0	1.0	4.3
18.0	7.5	10.0	10.0	45.0	371.0	98.0	99.0	85.5	114.0
2.5	13.0	15.0	360.0	17.0	72.0	1533.0			
47101-1008		5.0	0.5	0.5	14.1	20.0	15.0	83.0	2.5
14.0	56.0	1.2	0.5	197.0	43.0	86.0	25.0	1.0	2.0
2.5	22.0	10.0	10.0	5.0	427.0	93.0	47.0	42.0	144.0
2.5	13.0	15.0	236.0	5.0	26.0	229.0			
47101-1009		5.0	0.5	8.0	11.7	29.0	9.0	97.0	2.5
10.5	35.0	1.2	1.0	134.0	14.0	95.0	25.0	1.0	2.0
16.0	9.0	10.0	10.0	5.0	365.0	45.5	43.0	24.5	125.0
2.5	19.0	15.0	354.0	5.0	32.0	325.0			
47101-1010		5.0	0.5	0.5	17.1	28.0	16.0	103.0	2.5
23.0	42.0	0.3	0.5	133.0	17.0	174.0	25.0	1.0	2.0
2.5	19.0	10.0	10.0	52.0	423.0	81.0	43.0	45.0	111.0
2.5	21.0	15.0	342.0	12.0	28.0	258.0			
47101-1011		5.0	0.5	2.0	15.4	41.0	38.0	135.0	6.0
14.0	55.0	1.2	0.5	135.0	23.0	95.0	25.0	1.0	2.0
2.5	20.0	10.0	10.0	15.0	395.0	65.0	34.0	33.0	83.0
2.5	14.0	15.0	214.0	5.0	21.0	150.0			
47101-1012		5.0	0.5	0.5	12.7	20.0	12.0	90.0	2.5
5.5	15.0	0.3	0.5	155.0	10.0	72.5	25.0	1.0	2.0
13.0	9.0	10.0	10.0	184.0	371.0	60.0	58.0	42.5	73.0
2.5	13.0	15.0	308.0	5.0	39.0	619.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-1014		5.0	1.0	4.0	14.9	32.0	54.0	215.0	2.5
17.0	89.0	0.7	0.5	167.0	44.0	88.0	25.0	1.0	2.0
2.5	19.0	10.0	10.0	5.0	537.0	75.0	38.0	12.0	151.0
2.5	14.0	15.0	39.0	5.0	15.0	101.0			
47101-1015		5.0	0.5	8.0	16.8	30.0	40.0	109.0	2.5
17.0	91.0	0.8	1.0	214.0	38.0	84.0	25.0	1.0	2.0
2.5	18.0	10.0	10.0	5.0	476.0	73.0	35.0	15.0	137.0
2.5	13.0	15.0	34.0	5.0	15.0	122.0			
47101-1016		5.0	1.0	3.0	9.1	35.0	34.0	101.0	2.5
21.0	95.0	0.9	0.5	319.0	51.0	96.0	25.0	1.0	2.0
2.5	20.0	10.0	10.0	5.0	555.0	92.0	46.0	18.0	139.0
2.5	15.0	15.0	48.0	5.0	18.0	137.0			
47101-1017		5.0	0.5	2.0	11.2	34.0	42.0	119.0	2.5
19.0	96.0	0.9	0.5	327.0	50.0	96.0	25.0	1.0	2.0
2.5	20.0	10.0	10.0	5.0	543.0	73.0	35.0	16.0	213.0
2.5	15.0	15.0	36.0	5.0	16.0	131.0			
47101-1018		5.0	0.5	0.5	17.9	27.0	37.0	116.0	2.5
17.0	91.0	0.8	1.0	190.0	50.0	87.0	25.0	1.0	2.0
2.5	20.0	10.0	10.0	5.0	534.0	68.0	34.0	13.0	154.0
2.5	15.0	15.0	34.0	5.0	15.0	106.0			
47101-1019		5.0	0.5	1.0	12.8	24.0	46.0	123.0	2.5
15.0	81.0	0.7	0.5	213.0	42.0	79.0	25.0	1.0	2.0
2.5	17.0	10.0	10.0	5.0	480.0	59.0	29.0	12.0	187.0
2.5	13.0	15.0	35.0	5.0	14.0	92.0			
47101-1020		5.0	0.5	6.0	9.1	71.0	211.0	197.0	2.5
23.0	104.0	1.1	1.0	286.0	40.0	86.0	25.0	1.0	2.0
2.5	19.0	10.0	10.0	5.0	518.0	91.0	44.0	13.0	193.0
2.5	14.0	15.0	44.0	5.0	15.0	106.0			
47101-1021		5.0	0.5	2.0	12.8	49.0	16.0	93.0	2.5
19.0	92.0	1.2	0.5	210.0	56.0	95.0	25.0	1.0	2.0
2.5	21.0	10.0	10.0	5.0	682.0	76.0	41.0	11.0	131.0
2.5	12.0	15.0	46.0	5.0	14.0	94.0			
47101-1022		5.0	0.5	0.5	16.7	30.0	12.0	97.0	2.5
17.0	85.0	1.3	0.5	148.0	55.0	93.0	25.0	1.0	2.0
2.5	22.0	10.0	10.0	5.0	690.0	64.0	34.0	12.0	114.0
2.5	13.0	15.0	63.0	5.0	14.0	85.0			
47101-1023		5.0	3.0	7.0	10.0	44.0	20.0	98.0	2.5
19.0	95.0	1.2	0.5	271.0	61.0	103.0	25.0	1.0	2.0
2.5	23.0	10.0	10.0	11.0	762.0	87.0	46.0	14.0	148.0
2.5	15.0	15.0	63.0	5.0	16.0	111.0			
47101-1024		5.0	1.0	6.0	10.6	30.0	11.0	90.0	2.5
16.0	83.0	1.4	0.5	183.0	55.0	90.0	25.0	1.0	2.0
2.5	23.0	10.0	10.0	5.0	698.0	69.0	36.0	12.0	88.0
2.5	13.0	15.0	78.0	5.0	14.0	94.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-1025		5.0	1.0	2.0	12.8	25.0	25.0	93.0	2.5
19.0	89.0	1.3	0.5	205.0	56.0	92.0	25.0	1.0	2.0
2.5	22.0	10.0	10.0	5.0	611.0	69.0	36.0	15.0	116.0
2.5	13.0	15.0	49.0	5.0	15.0	111.0			
47101-1026		5.0	2.0	6.0	9.5	31.0	10.0	124.0	2.5
18.0	88.0	1.3	0.5	236.0	62.0	88.0	25.0	1.0	2.0
2.5	21.0	10.0	10.0	5.0	639.0	65.0	35.0	11.0	234.0
2.5	13.0	15.0	47.0	5.0	15.0	92.0			
47101-1027		5.0	1.0	3.0	14.2	32.0	16.0	123.0	2.5
20.0	95.0	1.2	0.5	263.0	59.0	90.0	25.0	1.0	2.0
2.5	22.0	10.0	10.0	5.0	708.0	66.0	35.0	11.0	122.0
2.5	13.0	15.0	57.0	5.0	16.0	95.0			
47101-1028		5.0	0.5	3.0	11.7	37.0	17.0	131.0	2.5
21.0	98.0	1.0	0.5	240.0	58.0	99.0	25.0	1.0	2.0
2.5	22.0	10.0	10.0	5.0	679.0	67.0	37.0	13.0	128.0
2.5	14.0	15.0	73.0	5.0	15.0	102.0			
47101-1029		5.0	2.0	3.0	12.4	72.0	27.0	110.0	2.5
19.0	90.0	1.2	0.5	291.0	58.0	93.0	70.0	1.0	2.0
2.5	20.0	10.0	10.0	5.0	729.0	66.0	36.0	15.0	183.0
21.0	14.0	15.0	58.0	5.0	16.0	103.0			
47101-1030		5.0	2.0	4.0	12.8	70.0	13.0	112.0	8.0
19.0	89.0	1.3	0.5	321.0	57.0	92.0	25.0	1.0	2.0
2.5	21.0	10.0	10.0	20.0	729.0	71.0	37.0	17.0	171.0
2.5	17.0	15.0	59.0	5.0	19.0	111.0			
47101-1031		5.0	0.5	0.5	15.5	37.0	20.0	108.0	2.5
19.0	91.0	1.3	1.0	179.0	57.0	98.0	25.0	1.0	2.0
2.5	22.0	10.0	10.0	5.0	725.0	70.0	34.0	16.0	95.0
2.5	14.0	15.0	73.0	5.0	16.0	108.0			
47101-1032		5.0	0.5	0.5	18.9	38.0	28.0	98.0	2.5
20.0	93.0	0.9	0.5	160.0	55.0	101.0	25.0	1.0	2.0
2.5	21.0	10.0	10.0	5.0	756.0	65.0	32.0	12.0	188.0
2.5	16.0	15.0	53.0	5.0	16.0	96.0			
47101-1033		5.0	2.0	2.0	9.6	82.0	37.0	108.0	2.5
51.0	160.0	1.0	0.5	418.0	45.0	92.0	25.0	1.0	2.0
2.5	18.0	10.0	10.0	5.0	609.0	63.0	29.0	12.0	121.0
2.5	15.0	15.0	62.0	5.0	18.0	108.0			
47101-1034		5.0	2.0	3.0	11.4	53.0	23.0	102.0	2.5
18.0	87.0	1.1	0.5	257.0	49.0	102.0	25.0	1.0	2.0
2.5	22.0	10.0	10.0	5.0	805.0	63.0	30.0	11.0	151.0
2.5	17.0	15.0	80.0	5.0	17.0	89.0			
47101-1035		5.0	2.0	8.0	10.3	33.0	24.0	87.0	2.5
16.0	81.0	0.9	0.5	159.0	52.0	90.0	25.0	1.0	2.0
2.5	20.0	10.0	10.0	5.0	525.0	60.0	30.0	11.0	159.0
2.5	15.0	15.0	61.0	5.0	15.0	90.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-1036		5.0	2.0	6.0	11.2	132.0	46.0	150.0	2.5
84.0	241.0	1.3	0.5	247.0	41.0	77.0	25.0	1.0	2.0
2.5	17.0	10.0	10.0	5.0	513.0	65.0	27.0	13.0	69.0
2.5	14.0	15.0	71.0	5.0	17.0	98.0			
47101-1037		5.0	3.0	7.0	10.0	86.0	37.0	114.0	2.5
94.0	216.0	1.2	2.0	202.0	39.0	75.0	25.0	1.0	2.0
2.5	16.0	10.0	10.0	5.0	459.0	61.0	25.0	10.0	185.0
2.5	14.0	15.0	60.0	5.0	16.0	99.0			
47101-1038		5.0	2.0	4.0	13.2	82.0	25.0	120.0	2.5
56.0	150.0	0.9	0.5	200.0	38.0	80.0	25.0	1.0	2.0
2.5	17.0	10.0	10.0	5.0	578.0	62.0	28.0	11.0	129.0
2.5	14.0	15.0	53.0	5.0	15.0	92.0			
47101-1039		5.0	1.0	5.0	8.7	42.0	35.0	118.0	2.5
68.0	125.0	0.9	1.0	201.0	34.0	78.0	25.0	1.0	2.0
2.5	19.0	10.0	10.0	5.0	708.0	66.0	30.0	11.0	200.0
2.5	14.0	15.0	59.0	5.0	14.0	91.0			
47101-1040		5.0	2.0	4.0	8.8	32.0	27.0	150.0	2.5
38.0	96.0	0.8	1.0	212.0	39.0	96.0	25.0	1.0	2.0
2.5	20.0	10.0	10.0	5.0	1050.0	64.0	31.0	13.0	146.0
2.5	15.0	15.0	67.0	5.0	16.0	107.0			
47101-1041		5.0	1.0	4.0	15.1	62.0	26.0	121.0	2.5
125.0	163.0	0.9	2.0	164.0	32.0	75.0	25.0	1.0	2.0
2.5	17.0	10.0	10.0	5.0	602.0	61.0	27.0	10.0	150.0
2.5	13.0	33.0	59.0	5.0	14.0	90.0			
47101-1042		5.0	2.0	3.0	12.0	70.0	31.0	110.0	2.5
61.0	152.0	0.7	0.5	186.0	23.0	80.0	25.0	1.0	2.0
2.5	17.0	10.0	10.0	5.0	677.0	68.0	31.0	10.0	155.0
2.5	13.0	15.0	62.0	5.0	16.0	93.0			
47101-1043		5.0	1.0	20.0	12.4	49.0	28.0	99.0	2.5
95.0	188.0	0.7	0.5	191.0	29.0	73.0	25.0	1.0	2.0
2.5	15.0	10.0	10.0	5.0	603.0	61.0	26.0	10.0	139.0
2.5	13.0	15.0	51.0	5.0	15.0	87.0			
47101-1044		5.0	1.0	3.0	17.7	27.0	21.0	135.0	2.5
100.0	148.0	0.7	0.5	163.0	46.0	85.0	25.0	1.0	4.1
2.5	18.0	10.0	10.0	5.0	722.0	67.0	32.0	13.0	147.0
2.5	15.0	15.0	63.0	5.0	15.0	104.0			
47101-1045		5.0	2.0	1034.0	8.3	13.0	25.0	160.0	2.5
12.0	57.0	0.8	1.0	274.0	57.0	90.0	25.0	1.0	2.0
2.5	22.0	10.0	10.0	5.0	631.0	68.0	35.0	22.0	240.0
2.5	10.0	15.0	58.0	5.0	12.0	154.0			
47101-1046		5.0	1.0	617.0	16.9	25.0	62.0	162.0	2.5
17.0	96.0	0.7	0.5	211.0	51.0	89.0	25.0	1.0	2.0
2.5	22.0	10.0	10.0	5.0	589.0	71.0	36.0	12.0	92.0
2.5	11.0	15.0	54.0	5.0	13.0	98.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-1047		5.0	0.5	20.0	8.5	24.0	54.0	199.0	2.5
17.0	91.0	0.6	0.5	217.0	49.0	90.0	25.0	1.0	2.0
2.5	21.0	10.0	10.0	5.0	547.0	68.0	35.0	13.0	146.0
2.5	11.0	15.0	51.0	5.0	13.0	93.0			
47101-1048		5.0	0.5	2.0	7.8	29.0	29.0	102.0	2.5
16.0	75.0	0.6	0.5	243.0	52.0	95.0	25.0	1.0	2.0
2.5	20.0	10.0	10.0	5.0	694.0	69.0	34.0	9.0	135.0
2.5	13.0	15.0	55.0	5.0	14.0	97.0			
47101-1049a		5.0	0.5	24.0	15.8	69.0	202.0	118.0	2.5
37.0	145.0	1.4	0.5	320.0	39.0	88.0	25.0	1.0	2.0
2.5	19.0	10.0	10.0	12.0	442.0	75.0	35.0	20.0	135.0
2.5	14.0	15.0	80.0	5.0	15.0	150.0			
47101-1049b		5.0	0.5	1.0	18.4	29.0	26.0	92.0	2.5
15.0	73.0	0.8	2.0	195.0	48.0	93.0	25.0	1.0	2.0
2.5	20.0	10.0	10.0	5.0	674.0	74.0	36.0	8.0	193.0
2.5	15.0	15.0	56.0	5.0	15.0	200.0			
47101-1050		5.0	1.0	2.0	10.2	30.0	19.0	107.0	2.5
21.0	99.0	1.4	0.5	235.0	60.0	102.0	25.0	1.0	2.0
2.5	23.0	10.0	10.0	5.0	668.0	65.0	34.0	20.0	190.0
2.5	11.0	15.0	46.0	5.0	12.0	145.0			
47101-1051		5.0	0.5	0.5	20.2	19.0	17.0	92.0	2.5
16.0	77.0	1.4	0.5	194.0	53.0	90.0	25.0	1.0	2.0
2.5	23.0	10.0	10.0	5.0	542.0	69.0	35.0	19.0	177.0
12.0	13.0	30.0	62.0	5.0	13.0	116.0			
47101-1052		5.0	0.5	0.5	16.7	30.0	15.0	103.0	2.5
20.0	98.0	1.5	2.0	184.0	56.0	93.0	25.0	1.0	2.0
2.5	24.0	10.0	10.0	5.0	766.0	67.0	34.0	13.0	124.0
2.5	12.0	15.0	38.0	5.0	14.0	111.0			
47101-1053		5.0	0.5	0.5	22.2	24.0	16.0	166.0	2.5
18.0	89.0	1.7	0.5	192.0	57.0	92.0	25.0	1.0	2.0
2.5	25.0	10.0	10.0	5.0	658.0	72.0	37.0	13.0	93.0
2.5	12.0	15.0	49.0	5.0	13.0	97.0			
47101-1054		5.0	0.5	0.5	17.2	31.0	11.0	120.0	2.5
19.0	97.0	1.4	0.5	198.0	60.0	90.0	25.0	1.0	2.0
2.5	24.0	10.0	10.0	5.0	723.0	74.0	38.0	12.0	135.0
2.5	13.0	15.0	46.0	5.0	14.0	102.0			
47101-1055		5.0	0.5	0.5	18.1	17.0	5.0	91.0	2.5
15.0	78.0	1.2	0.5	167.0	45.0	72.0	25.0	1.0	2.0
2.5	20.0	10.0	10.0	5.0	478.0	41.0	23.0	12.0	120.0
2.5	7.0	15.0	36.0	5.0	8.0	71.0			
47101-1056		5.0	0.5	2.0	8.5	26.0	17.0	100.0	2.5
22.0	95.0	1.2	0.5	280.0	56.0	90.0	25.0	1.0	2.0
2.5	22.0	10.0	10.0	5.0	572.0	44.0	24.0	17.0	76.0
2.5	8.0	15.0	43.0	5.0	9.0	100.0			

Ech Co Bi Sb	Ni Ga Sc	Pt Ag Te Sn	Pd Cd Tl Sr	Au Cr W Ta	po Li Ba Y	Cu V Ce Zr	Pb As La	Zn B Nb	Mo Be Rb
47101-1057		5.0	0.5	0.5	17.6	23.0	15.0	99.0	2.5
18.0	88.0	1.0	0.5	204.0	57.0	92.0	25.0	1.0	2.0
2.5	22.0	10.0	10.0	5.0	592.0	43.0	25.0	14.0	134.0
2.5	8.0	15.0	45.0	5.0	9.0	88.0			
47101-1058		5.0	0.5	0.5	18.3	28.0	17.0	97.0	2.5
19.0	92.0	1.2	0.5	205.0	58.0	93.0	25.0	1.0	2.0
2.5	23.0	10.0	10.0	5.0	601.0	44.0	25.0	14.0	157.0
2.5	8.0	15.0	45.0	5.0	9.0	98.0			
47101-1059		5.0	0.5	0.5	20.7	19.0	5.0	65.0	2.5
14.0	79.0	1.1	0.5	191.0	56.0	103.0	25.0	71.0	2.0
2.5	23.0	10.0	10.0	5.0	336.0	15.0	6.0	15.0	79.0
2.5	4.0	15.0	14.0	5.0	3.0	101.0			
47101-1060		5.0	0.5	0.5	26.8	19.0	5.0	64.0	2.5
15.0	81.0	1.1	0.5	200.0	56.0	101.0	25.0	69.0	2.0
2.5	23.0	10.0	10.0	5.0	317.0	11.0	4.0	17.0	66.0
2.5	4.0	15.0	12.0	5.0	2.0	112.0			
47101-1061		5.0	0.5	0.5	18.5	33.0	5.0	120.0	2.5
21.0	110.0	1.2	0.5	200.0	62.0	108.0	25.0	67.0	2.0
2.5	24.0	10.0	10.0	5.0	523.0	37.0	17.0	15.0	25.0
2.5	11.0	15.0	19.0	5.0	8.0	110.0			
47101-1061A		5.0	0.5	1.0	14.9	22.0	5.0	84.0	2.5
14.0	72.0	0.9	0.5	188.0	60.0	109.0	25.0	70.0	2.0
2.5	22.0	10.0	10.0	5.0	443.0	10.0	6.0	15.0	25.0
2.5	5.0	15.0	15.0	5.0	2.0	108.0			
47101-1063		5.0	1.0	2.0	17.8	18.0	5.0	81.0	2.5
14.0	73.0	0.9	0.5	195.0	57.0	99.0	25.0	70.0	2.0
2.5	21.0	10.0	10.0	5.0	483.0	11.0	5.0	14.0	25.0
2.5	5.0	15.0	15.0	5.0	2.0	108.0			
47101-1064		5.0	0.5	4.0	19.9	34.0	28.0	96.0	2.5
29.0	110.0	1.1	0.5	337.0	39.0	107.0	25.0	1.0	4.2
2.5	21.0	10.0	10.0	5.0	425.0	77.0	37.0	22.0	25.0
2.5	16.0	15.0	111.0	5.0	21.0	189.0			
47101-1065		5.0	0.5	0.5	14.2	36.0	22.0	100.0	2.5
32.0	109.0	1.4	0.5	652.0	38.0	115.0	25.0	1.0	4.7
14.0	23.0	10.0	10.0	15.0	450.0	106.0	51.0	44.0	164.0
2.5	15.0	15.0	111.0	5.0	26.0	435.0			
47101-1066		5.0	1.0	0.5	24.0	26.0	23.0	86.0	2.5
18.0	66.0	1.7	0.5	277.0	27.0	116.0	25.0	1.0	4.5
2.5	22.0	10.0	10.0	5.0	451.0	87.0	42.0	43.0	150.0
2.5	15.0	38.0	140.0	5.0	26.0	370.0			
47101-1067		5.0	0.5	0.5	15.5	9.0	12.0	71.0	2.5
10.0	35.0	1.6	0.5	264.0	29.0	91.0	25.0	1.0	2.0
2.5	21.0	10.0	10.0	11.0	475.0	72.0	36.0	26.0	114.0
2.5	14.0	15.0	94.0	5.0	15.0	201.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-1068		5.0	0.5	0.5	27.2	22.0	32.0	125.0	2.5
15.0	70.0	1.0	0.5	153.0	31.0	94.0	25.0	1.0	4.0
2.5	22.0	10.0	10.0	12.0	532.0	56.0	29.0	18.0	139.0
2.5	12.0	15.0	164.0	5.0	16.0	121.0			
47101-1069		5.0	0.5	1.0	24.2	24.0	28.0	143.0	2.5
16.0	45.0	1.2	0.5	111.0	57.0	76.0	25.0	1.0	2.0
2.5	25.0	10.0	10.0	5.0	749.0	304.0	126.0	14.0	216.0
2.5	10.0	15.0	68.0	5.0	16.0	92.0			
47101-1070		5.0	0.5	3.0	23.2	27.0	33.0	128.0	2.5
16.0	61.0	1.8	1.0	232.0	56.0	90.0	25.0	1.0	4.0
2.5	25.0	10.0	10.0	5.0	615.0	793.0	340.0	23.0	188.0
2.5	13.0	15.0	49.0	5.0	26.0	126.0			
47101-1071		5.0	0.5	1.0	22.2	47.0	33.0	143.0	2.5
20.0	54.0	1.6	0.5	140.0	56.0	109.0	25.0	1.0	4.2
2.5	25.0	10.0	10.0	5.0	4176.0	578.0	259.0	19.0	220.0
2.5	13.0	15.0	90.0	5.0	24.0	111.0			
47101-1072		5.0	0.5	2.0	22.7	26.0	24.0	120.0	5.0
15.0	46.0	0.7	0.5	114.0	58.0	91.0	25.0	1.0	2.0
2.5	22.0	10.0	10.0	10.0	829.0	111.0	54.0	11.0	174.0
2.5	13.0	32.0	61.0	5.0	14.0	85.0			
47101-1073		5.0	0.5	0.5	20.8	28.0	30.0	127.0	2.5
19.0	99.0	0.6	0.5	206.0	58.0	97.0	25.0	1.0	4.5
2.5	21.0	10.0	10.0	5.0	614.0	70.0	36.0	9.0	99.0
2.5	15.0	15.0	62.0	5.0	15.0	100.0			
47101-1074		5.0	0.5	2.0	23.2	29.0	42.0	177.0	2.5
21.0	99.0	0.9	0.5	158.0	50.0	94.0	25.0	1.0	4.4
2.5	21.0	10.0	10.0	5.0	722.0	106.0	50.0	13.0	110.0
6.0	12.0	15.0	49.0	5.0	14.0	92.0			
47101-1075		5.0	0.5	2.0	27.5	21.0	37.0	129.0	2.5
14.0	48.0	1.1	0.5	114.0	60.0	86.0	25.0	1.0	2.0
2.5	24.0	10.0	10.0	5.0	799.0	302.0	139.0	14.0	128.0
2.5	11.0	15.0	60.0	5.0	15.0	93.0			
47101-1076		5.0	0.5	0.5	20.7	22.0	22.0	115.0	2.5
13.0	49.0	0.9	1.0	142.0	42.0	114.0	25.0	1.0	4.3
2.5	22.0	10.0	10.0	5.0	620.0	72.0	36.0	19.0	177.0
2.5	15.0	15.0	120.0	5.0	16.0	119.0			
47101-1077		5.0	0.5	6.0	28.1	43.0	50.0	123.0	2.5
39.0	125.0	1.3	0.5	176.0	38.0	103.0	25.0	1.0	4.9
2.5	19.0	10.0	10.0	5.0	522.0	120.0	55.0	22.0	140.0
2.5	14.0	15.0	93.0	5.0	16.0	135.0			
47101-1078		5.0	0.5	2.0	23.2	27.0	32.0	103.0	2.5
28.0	95.0	1.1	0.5	210.0	31.0	100.0	25.0	1.0	4.8
2.5	21.0	10.0	10.0	5.0	515.0	69.0	33.0	22.0	114.0
2.5	13.0	15.0	113.0	5.0	17.0	162.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-1079		5.0	0.5	0.5	22.3	26.0	31.0	106.0	2.5
21.0	78.0	0.9	0.5	183.0	36.0	103.0	25.0	1.0	4.5
2.5	21.0	10.0	10.0	5.0	552.0	86.0	42.0	19.0	94.0
2.5	14.0	15.0	102.0	5.0	16.0	144.0			
47101-1080		5.0	0.5	3.0	21.3	28.0	37.0	140.0	2.5
20.0	81.0	1.1	0.5	193.0	35.0	101.0	25.0	1.0	4.5
2.5	21.0	10.0	10.0	5.0	534.0	80.0	38.0	18.0	167.0
2.5	14.0	15.0	100.0	5.0	16.0	131.0			
47101-1081		5.0	0.5	14.0	25.4	48.0	75.0	160.0	2.5
41.0	112.0	1.4	1.0	247.0	33.0	106.0	25.0	1.0	5.2
2.5	20.0	10.0	10.0	5.0	511.0	91.0	42.0	25.0	133.0
2.5	15.0	15.0	104.0	5.0	17.0	151.0			
47101-1082		5.0	0.5	2.0	22.5	55.0	38.0	110.0	2.5
22.0	115.0	0.7	0.5	185.0	37.0	94.0	25.0	1.0	4.5
2.5	21.0	10.0	10.0	5.0	654.0	68.0	35.0	14.0	148.0
2.5	14.0	15.0	72.0	5.0	14.0	105.0			
47101-1083		5.0	0.5	0.5	16.8	23.0	25.0	105.0	2.5
15.0	69.0	0.8	0.5	206.0	36.0	96.0	25.0	1.0	2.0
2.5	22.0	10.0	10.0	5.0	578.0	67.0	33.0	11.0	184.0
2.5	14.0	15.0	88.0	5.0	14.0	102.0			
47101-1084		5.0	1.0	61.0	16.3	84.0	200.0	744.0	2.5
23.0	95.0	2.3	5.0	194.0	47.0	101.0	25.0	1.0	7.6
2.5	21.0	10.0	10.0	5.0	704.0	118.0	54.0	16.0	25.0
2.5	12.0	15.0	68.0	5.0	14.0	94.0			
47101-1085		5.0	0.5	12.0	23.9	233.0	256.0	771.0	2.5
42.0	158.0	4.4	4.0	657.0	42.0	134.0	25.0	1.0	12.4
2.5	22.0	10.0	10.0	5.0	571.0	564.0	246.0	57.0	58.0
2.5	12.0	15.0	73.0	5.0	25.0	246.0			
47101-1086		5.0	1.0	6.0	22.8	70.0	122.0	653.0	2.5
23.0	101.0	2.0	3.0	235.0	47.0	104.0	25.0	1.0	7.7
2.5	21.0	10.0	10.0	5.0	639.0	106.0	47.0	19.0	63.0
2.5	11.0	15.0	66.0	5.0	13.0	102.0			
47101-1087		5.0	0.5	32.0	20.0	71.0	130.0	570.0	2.5
24.0	103.0	2.1	2.0	220.0	49.0	108.0	25.0	1.0	8.1
2.5	23.0	10.0	10.0	5.0	680.0	126.0	57.0	21.0	25.0
2.5	12.0	15.0	69.0	5.0	15.0	114.0			
47101-1088		5.0	0.5	0.5	21.0	45.0	18.0	103.0	2.5
18.0	91.0	1.5	0.5	227.0	56.0	101.0	25.0	1.0	7.1
2.5	23.0	10.0	10.0	5.0	1308.0	82.0	38.0	14.0	25.0
2.5	13.0	15.0	74.0	5.0	15.0	93.0			
47101-1089		5.0	0.5	56.0	24.4	97.0	127.0	412.0	2.5
56.0	180.0	6.7	3.0	523.0	35.0	242.0	93.0	1.0	17.3
2.5	29.0	10.0	10.0	27.0	422.0	2846.0	1258.0	131.0	25.0
2.5	16.0	15.0	86.0	15.0	60.0	398.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-1090		5.0	2.0	4.0	24.3	37.0	107.0	608.0	2.5
21.0	95.0	1.7	3.0	185.0	49.0	101.0	25.0	1.0	6.5
2.5	22.0	10.0	10.0	5.0	670.0	77.0	36.0	16.0	25.0
2.5	12.0	15.0	64.0	5.0	13.0	98.0			
47101-1091		5.0	1.0	10.0	17.2	27.0	23.0	92.0	5.0
19.0	88.0	1.6	0.5	251.0	53.0	102.0	25.0	1.0	5.8
2.5	21.0	10.0	10.0	12.0	703.0	100.0	46.0	17.0	25.0
2.5	13.0	30.0	54.0	5.0	14.0	103.0			
47101-1092		5.0	1.0	2.0	19.2	29.0	36.0	175.0	2.5
19.0	86.0	1.5	2.0	186.0	53.0	103.0	25.0	1.0	5.5
2.5	21.0	10.0	10.0	5.0	696.0	91.0	42.0	18.0	54.0
2.5	13.0	15.0	68.0	5.0	15.0	114.0			
47101-1093		5.0	1.0	1.0	24.1	36.0	17.0	91.0	2.5
21.0	87.0	1.9	0.5	224.0	53.0	99.0	25.0	1.0	5.4
2.5	23.0	10.0	10.0	5.0	864.0	210.0	110.0	21.0	70.0
2.5	10.0	15.0	148.0	5.0	13.0	103.0			
47101-1094		5.0	1.0	78.0	20.2	40.0	89.0	174.0	2.5
23.0	110.0	1.5	0.5	252.0	45.0	97.0	25.0	1.0	6.2
2.5	18.0	10.0	10.0	13.0	518.0	62.0	28.0	15.0	63.0
2.5	11.0	15.0	53.0	5.0	13.0	128.0			
47101-1095		5.0	1.0	62.0	22.8	35.0	104.0	214.0	2.5
19.0	103.0	1.6	2.0	201.0	52.0	109.0	25.0	1.0	6.1
2.5	20.0	10.0	10.0	5.0	590.0	63.0	31.0	14.0	125.0
2.5	12.0	15.0	56.0	5.0	13.0	95.0			
47101-1096		5.0	0.5	9.0	17.2	39.0	56.0	156.0	2.5
37.0	154.0	1.5	2.0	200.0	40.0	112.0	25.0	1.0	5.6
2.5	20.0	10.0	10.0	5.0	528.0	163.0	73.0	27.0	115.0
2.5	11.0	15.0	65.0	5.0	14.0	155.0			
47101-1097		5.0	0.5	1.0	17.9	38.0	42.0	136.0	2.5
20.0	109.0	1.0	0.5	212.0	48.0	92.0	25.0	1.0	4.3
2.5	21.0	10.0	10.0	5.0	789.0	76.0	37.0	13.0	170.0
2.5	11.0	15.0	60.0	5.0	12.0	100.0			
47101-1098		5.0	0.5	5.0	15.9	96.0	49.0	227.0	2.5
30.0	134.0	0.8	0.5	201.0	45.0	85.0	25.0	1.0	4.7
2.5	20.0	10.0	10.0	5.0	597.0	61.0	31.0	11.0	105.0
2.5	12.0	15.0	58.0	5.0	12.0	95.0			
47101-1100		5.0	0.5	9.0	22.2	28.0	40.0	125.0	2.5
20.0	83.0	1.0	0.5	228.0	43.0	93.0	25.0	1.0	4.6
2.5	22.0	10.0	10.0	5.0	581.0	81.0	39.0	16.0	210.0
2.5	14.0	15.0	101.0	5.0	14.0	104.0			
47101-1101		5.0	0.5	40.0	21.7	76.0	122.0	106.0	2.5
88.0	215.0	1.7	1.0	215.0	27.0	64.0	111.0	1.0	5.8
2.5	15.0	10.0	10.0	5.0	234.0	83.0	35.0	21.0	95.0
2.5	11.0	15.0	145.0	5.0	14.0	91.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-1102		5.0	0.5	3.0	13.0	70.0	43.0	123.0	8.0
21.0	96.0	0.9	0.5	173.0	58.0	100.0	25.0	1.0	4.6
2.5	23.0	25.0	10.0	20.0	677.0	67.0	34.0	12.0	158.0
27.0	16.0	38.0	93.0	11.0	16.0	98.0			
47101-1103		5.0	0.5	6.0	14.8	98.0	50.0	127.0	2.5
40.0	128.0	1.2	1.0	776.0	38.0	190.0	25.0	1.0	6.0
2.5	20.0	10.0	10.0	19.0	511.0	179.0	81.0	61.0	112.0
2.5	16.0	15.0	95.0	10.0	24.0	423.0			
47101-1104		5.0	1.0	1052.0	19.9	157.0	123.0	177.0	2.5
94.0	288.0	3.1	2.0	1048.0	23.0	141.0	71.0	1.0	5.2
2.5	13.0	10.0	10.0	40.0	308.0	226.0	95.0	63.0	170.0
2.5	12.0	15.0	80.0	5.0	24.0	394.0			
47101-1105		5.0	0.5	52.0	14.9	730.0	76.0	232.0	2.5
43.0	168.0	1.3	1.0	277.0	48.0	91.0	25.0	1.0	5.9
2.5	18.0	10.0	10.0	5.0	373.0	72.0	33.0	20.0	162.0
2.5	14.0	15.0	67.0	11.0	16.0	161.0			
47101-1106		5.0	0.5	4.0	18.1	72.0	43.0	135.0	2.5
34.0	138.0	1.7	0.5	308.0	40.0	104.0	25.0	1.0	5.7
2.5	21.0	10.0	10.0	5.0	613.0	89.0	41.0	22.0	147.0
2.5	15.0	15.0	82.0	5.0	16.0	148.0			
47101-1107		5.0	1.0	46.0	17.9	142.0	218.0	234.0	2.5
97.0	330.0	3.2	4.0	830.0	25.0	124.0	97.0	1.0	5.7
2.5	13.0	10.0	10.0	28.0	385.0	192.0	79.0	56.0	136.0
2.5	12.0	15.0	79.0	13.0	21.0	303.0			
47101-1108		5.0	3.0	9.0	19.5	21.0	56.0	168.0	2.5
15.0	87.0	1.2	0.5	168.0	51.0	101.0	25.0	1.0	4.9
2.5	20.0	10.0	10.0	5.0	544.0	58.0	31.0	13.0	73.0
2.5	11.0	15.0	49.0	5.0	13.0	93.0			
47101-1109		5.0	1.0	40.0	23.5	21.0	65.0	225.0	2.5
18.0	92.0	1.1	1.0	168.0	53.0	102.0	25.0	1.0	5.4
2.5	21.0	10.0	10.0	5.0	569.0	64.0	31.0	14.0	76.0
2.5	11.0	15.0	60.0	5.0	13.0	94.0			
47101-1110		5.0	1.0	61.0	20.9	24.0	44.0	177.0	2.5
15.0	85.0	1.2	1.0	204.0	48.0	98.0	25.0	1.0	5.7
2.5	19.0	10.0	10.0	5.0	535.0	65.0	32.0	17.0	25.0
2.5	12.0	15.0	63.0	5.0	15.0	113.0			
47101-1111		5.0	1.0	42.0	19.3	33.0	62.0	182.0	2.5
24.0	104.0	1.7	1.0	330.0	47.0	107.0	25.0	1.0	7.3
2.5	23.0	10.0	10.0	18.0	526.0	87.0	40.0	21.0	77.0
2.5	12.0	15.0	56.0	5.0	16.0	156.0			
47101-1112		5.0	2.0	0.5	18.1	27.0	5.0	190.0	2.5
77.0	439.0	2.4	0.5	20000.0	17.0	251.0	25.0	1.0	9.9
2.5	33.0	10.0	10.0	5.0	251.0	39.0	16.0	15.0	25.0
2.5	22.0	66.0	112.0	5.0	22.0	46.0			

Ech Co Bi Sb	Ni Ga Sc	Pt Ag Te Sn	Pd Cd Tl Sr	Au Cr W Ta	po Li Ba Y	Cu V Ce Zr	Pb As La	Zn B Nb	Mo Be Rb
47101-1113		5.0	0.5	0.5	15.6	29.0	16.0	65.0	2.5
18.0	9.0	1.1	0.5	160.0	9.0	91.0	25.0	1.0	8.2
2.5	21.0	10.0	10.0	11.0	401.0	275.0	136.0	29.0	103.0
2.5	12.0	15.0	410.0	5.0	82.0	401.0			
47101-1113		5.0	2.0	0.5	25.8	27.0	5.0	126.0	2.5
54.0	425.0	1.7	1.0	9699.0	22.0	174.0	25.0	1.0	8.3
6.0	21.0	10.0	10.0	5.0	248.0	38.0	18.0	13.0	25.0
2.5	18.0	59.0	103.0	5.0	17.0	49.0			
47101-1114		5.0	4.0	0.5	18.0	14.0	5.0	429.0	2.5
174.0	1159.0	2.1	0.5	20000.0	4.0	373.0	25.0	1.0	10.8
33.0	26.0	10.0	10.0	5.0	32.0	37.0	13.0	18.0	25.0
148.0	12.0	136.0	33.0	5.0	9.0	11.0			
47101-1115		5.0	2.0	0.5	14.6	22.0	5.0	454.0	2.5
151.0	497.0	4.8	0.5	20000.0	11.0	470.0	25.0	1.0	14.0
26.0	72.0	10.0	10.0	5.0	170.0	59.0	23.0	25.0	25.0
114.0	22.0	62.0	77.0	5.0	25.0	93.0			
47101-1116		5.0	2.0	0.5	21.8	62.0	24.0	141.0	2.5
18.0	105.0	1.2	2.0	262.0	55.0	98.0	25.0	1.0	7.3
2.5	21.0	10.0	10.0	5.0	658.0	55.0	27.0	12.0	69.0
2.5	10.0	15.0	71.0	5.0	11.0	83.0			
47101-1117		5.0	2.0	0.5	18.6	27.0	19.0	101.0	2.5
17.0	84.0	1.1	0.5	189.0	61.0	108.0	25.0	1.0	7.0
2.5	22.0	10.0	10.0	5.0	663.0	61.0	29.0	13.0	69.0
2.5	11.0	15.0	59.0	5.0	12.0	89.0			
47101-1118		5.0	2.0	8.0	19.4	41.0	19.0	103.0	2.5
18.0	93.0	1.0	0.5	191.0	57.0	105.0	25.0	1.0	7.1
2.5	21.0	10.0	10.0	5.0	659.0	54.0	27.0	12.0	25.0
2.5	11.0	15.0	68.0	5.0	12.0	89.0			
47101-1119		5.0	0.5	1.0	19.8	86.0	31.0	121.0	2.5
25.0	125.0	1.3	0.5	187.0	53.0	99.0	25.0	1.0	8.6
2.5	22.0	10.0	10.0	5.0	2896.0	49.0	23.0	12.0	98.0
2.5	11.0	15.0	133.0	5.0	11.0	81.0			
47101-1120		5.0	1.0	3.0	13.7	82.0	306.0	294.0	2.5
21.0	111.0	1.1	1.0	224.0	62.0	100.0	25.0	1.0	8.5
2.5	20.0	10.0	10.0	5.0	675.0	48.0	23.0	13.0	91.0
2.5	10.0	38.0	47.0	5.0	11.0	99.0			
47101-1121		5.0	0.5	4.0	18.0	57.0	35.0	135.0	2.5
22.0	109.0	1.1	0.5	189.0	60.0	97.0	25.0	1.0	8.8
2.5	21.0	10.0	10.0	5.0	592.0	50.0	23.0	13.0	106.0
2.5	9.0	15.0	40.0	5.0	10.0	93.0			
47101-1122		5.0	1.0	4.0	11.2	36.0	16.0	115.0	2.5
14.0	73.0	0.9	0.5	184.0	64.0	99.0	25.0	1.0	2.0
2.5	19.0	10.0	10.0	5.0	610.0	59.0	30.0	14.0	119.0
2.5	11.0	15.0	62.0	5.0	11.0	107.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-1123		5.0	1.0	1.0	15.4	67.0	30.0	153.0	2.5
22.0	92.0	1.0	0.5	175.0	57.0	96.0	25.0	1.0	2.0
2.5	16.0	10.0	10.0	5.0	3114.0	57.0	28.0	12.0	101.0
2.5	12.0	31.0	90.0	5.0	12.0	103.0			
47101-1124		5.0	1.0	0.5	14.2	36.0	15.0	93.0	2.5
19.0	92.0	0.5	0.5	290.0	59.0	103.0	25.0	1.0	2.0
2.5	18.0	10.0	10.0	5.0	661.0	80.0	41.0	11.0	56.0
2.5	12.0	15.0	55.0	5.0	14.0	88.0			
47101-1125		5.0	2.0	0.5	13.7	115.0	18.0	156.0	2.5
19.0	99.0	0.3	2.0	847.0	61.0	97.0	25.0	1.0	2.0
2.5	18.0	10.0	10.0	5.0	701.0	66.0	35.0	12.0	67.0
2.5	11.0	15.0	46.0	5.0	13.0	95.0			
47101-1125		5.0	2.0	0.5	15.7	25.0	5.0	230.0	2.5
83.0	412.0	2.9	0.5	20000.0	21.0	290.0	25.0	1.0	2.0
9.0	42.0	10.0	10.0	5.0	231.0	76.0	34.0	16.0	62.0
2.5	16.0	51.0	118.0	5.0	18.0	37.0			
47101-1126		5.0	0.5	0.5	18.9	46.0	5.0	113.0	2.5
35.0	56.0	0.9	1.0	130.0	47.0	243.0	25.0	1.0	2.0
2.5	18.0	10.0	10.0	5.0	381.0	53.0	36.0	20.0	25.0
2.5	23.0	15.0	121.0	5.0	43.0	230.0			
47101-1127		5.0	1.0	0.5	24.3	10.0	5.0	826.0	7.0
260.0	318.0	8.1	0.5	20000.0	6.0	678.0	66.0	1.0	2.0
58.0	136.0	10.0	37.0	5.0	42.0	67.0	27.0	29.0	25.0
482.0	16.0	54.0	32.0	5.0	19.0	51.0			
47101-1128		5.0	0.5	0.5	25.0	20.0	5.0	455.0	6.0
147.0	377.0	4.6	0.5	20000.0	11.0	423.0	25.0	1.0	2.0
24.0	70.0	10.0	24.0	5.0	99.0	49.0	21.0	22.0	25.0
137.0	22.0	60.0	87.0	5.0	24.0	52.0			
47101-1129		5.0	1.0	0.5	17.2	36.0	5.0	421.0	2.5
183.0	654.0	4.5	0.5	20000.0	12.0	362.0	25.0	1.0	2.0
27.0	66.0	10.0	10.0	5.0	126.0	60.0	26.0	16.0	25.0
136.0	13.0	63.0	78.0	5.0	12.0	21.0			
47101-1130		5.0	1.0	0.5	14.9	42.0	22.0	92.0	2.5
17.0	97.0	0.5	1.0	337.0	56.0	87.0	25.0	1.0	2.0
2.5	18.0	10.0	10.0	5.0	592.0	46.0	24.0	11.0	60.0
2.5	7.0	15.0	47.0	5.0	10.0	84.0			
47101-1131		5.0	2.0	0.5	23.1	47.0	5.0	81.0	2.5
50.0	568.0	1.1	0.5	1943.0	15.0	145.0	25.0	1.0	2.0
2.5	9.0	10.0	10.0	5.0	156.0	26.0	13.0	9.0	25.0
2.5	22.0	66.0	108.0	5.0	20.0	27.0			
47101-1132		5.0	3.0	1.0	22.8	27.0	5.0	119.0	2.5
56.0	354.0	1.3	0.5	6649.0	11.0	169.0	25.0	1.0	2.0
2.5	14.0	10.0	10.0	5.0	67.0	33.0	16.0	7.0	25.0
2.5	33.0	63.0	105.0	5.0	39.0	29.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-1133		5.0	2.0	0.5	20.6	53.0	5.0	141.0	2.5
64.0	282.0	1.3	0.5	8214.0	16.0	213.0	25.0	1.0	2.0
2.5	17.0	10.0	10.0	5.0	98.0	31.0	15.0	8.0	25.0
2.5	35.0	31.0	116.0	5.0	40.0	32.0			
47101-1134		5.0	0.5	0.5	30.4	44.0	5.0	154.0	2.5
70.0	229.0	1.4	1.0	9319.0	17.0	241.0	25.0	1.0	2.0
2.5	18.0	10.0	10.0	5.0	78.0	34.0	17.0	7.0	25.0
2.5	39.0	46.0	112.0	5.0	49.0	31.0			
47101-1135		5.0	2.0	0.5	12.7	43.0	14.0	92.0	2.5
16.0	92.0	0.3	0.5	383.0	57.0	93.0	25.0	1.0	2.0
2.5	18.0	10.0	10.0	5.0	614.0	62.0	31.0	11.0	102.0
2.5	8.0	15.0	42.0	5.0	11.0	93.0			
47101-1136		5.0	2.0	0.5	16.5	118.0	14.0	89.0	2.5
17.0	88.0	0.9	0.5	854.0	55.0	94.0	25.0	1.0	2.0
2.5	20.0	10.0	10.0	5.0	982.0	360.0	184.0	14.0	79.0
2.5	9.0	15.0	70.0	5.0	12.0	96.0			
47101-1137		5.0	0.5	0.5	21.1	16.0	5.0	89.0	2.5
33.0	288.0	1.1	1.0	3864.0	16.0	148.0	25.0	1.0	2.0
2.5	13.0	10.0	10.0	5.0	183.0	25.0	15.0	9.0	25.0
2.5	21.0	15.0	121.0	5.0	19.0	53.0			
47101-1138		5.0	1.0	0.5	23.7	15.0	5.0	705.0	2.5
214.0	494.0	5.8	0.5	20000.0	6.0	535.0	25.0	1.0	2.0
44.0	93.0	10.0	10.0	11.0	45.0	57.0	28.0	28.0	25.0
258.0	22.0	62.0	51.0	5.0	23.0	107.0			
47101-1139		5.0	1.0	0.5	26.4	25.0	5.0	154.0	2.5
56.0	263.0	1.5	1.0	11515.0	21.0	216.0	25.0	1.0	2.0
2.5	22.0	10.0	10.0	5.0	164.0	30.0	16.0	12.0	25.0
2.5	24.0	15.0	104.0	5.0	23.0	73.0			
47101-1140		5.0	2.0	0.5	12.9	58.0	14.0	91.0	2.5
18.0	93.0	0.5	0.5	912.0	54.0	94.0	25.0	1.0	2.0
2.5	19.0	10.0	10.0	5.0	1331.0	101.0	54.0	12.0	105.0
2.5	8.0	15.0	58.0	5.0	11.0	85.0			
47101-1141		5.0	3.0	0.5	16.4	29.0	14.0	90.0	2.5
12.0	72.0	0.6	0.5	178.0	55.0	92.0	25.0	1.0	2.0
2.5	21.0	10.0	10.0	5.0	914.0	147.0	79.0	12.0	123.0
2.5	8.0	15.0	184.0	5.0	8.0	67.0			
47101-1142		0.0	0.0	0.0	0.0	35.0	74.0	103.0	2.5
17.0	79.0	8.2	0.5	191.0	54.0	98.0	25.0	1.0	2.0
2.5	20.0	10.0	10.0	5.0	811.0	139.0	70.0	11.0	69.0
2.5	9.0	15.0	56.0	5.0	11.0	76.0			
47101-1143		5.0	5.0	2.0	12.2	35.0	19.0	85.0	2.5
17.0	71.0	0.3	0.5	158.0	48.0	81.0	25.0	1.0	2.0
2.5	16.0	10.0	10.0	5.0	840.0	103.0	55.0	8.0	77.0
2.5	9.0	15.0	437.0	5.0	11.0	61.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-1144		5.0	0.5	0.5	25.5	14.0	5.0	909.0	7.0
289.0	487.0	8.4	0.5	20000.0	4.0	657.0	75.0	1.0	2.0
60.0	138.0	10.0	61.0	13.0	30.0	68.0	30.0	28.0	65.0
495.0	17.0	64.0	28.0	5.0	19.0	44.0			
47101-1145		5.0	2.0	0.5	22.5	15.0	5.0	410.0	2.5
154.0	801.0	3.4	0.5	20000.0	5.0	308.0	25.0	1.0	2.0
19.0	48.0	10.0	10.0	5.0	52.0	30.0	15.0	15.0	25.0
47.5	20.0	71.0	39.0	5.0	15.0	23.0			
47101-1146		5.0	2.0	0.5	24.0	15.0	5.0	344.0	2.5
141.0	766.0	3.3	0.5	20000.0	6.0	276.0	25.0	1.0	2.0
19.0	45.0	10.0	10.0	5.0	46.0	24.0	12.0	12.0	25.0
44.0	18.0	98.0	39.0	5.0	10.0	8.0			
47101-1147		5.0	3.0	0.5	24.7	21.0	5.0	372.0	2.5
144.0	582.0	3.5	0.5	20000.0	9.0	328.0	25.0	1.0	2.0
25.0	53.0	10.0	10.0	5.0	67.0	31.0	16.0	13.0	25.0
56.5	20.0	77.0	62.0	5.0	17.0	28.0			
47101-1148		5.0	4.0	5.0	15.8	20.0	5.0	144.0	2.5
40.0	133.0	1.6	0.5	10218.0	30.0	150.0	25.0	1.0	2.0
2.5	23.0	10.0	10.0	5.0	210.0	51.0	28.0	22.0	74.0
2.5	13.0	15.0	72.0	5.0	24.0	131.0			
47101-1149		5.0	3.0	0.5	21.7	24.0	5.0	362.0	2.5
128.0	467.0	3.5	0.5	20000.0	11.0	334.0	25.0	1.0	2.0
16.0	52.0	10.0	10.0	5.0	91.0	38.0	18.0	16.0	25.0
34.5	23.0	58.0	79.0	5.0	23.0	44.0			
47101-1160		5.0	0.5	0.5	17.5	35.0	18.0	124.0	2.5
21.0	56.0	0.7	0.5	114.0	95.0	115.0	25.0	1.0	2.0
2.5	19.0	10.0	10.0	5.0	866.0	46.0	19.0	11.0	55.0
2.5	9.0	15.0	68.0	5.0	14.0	71.0			
47101-1160A		5.0	0.5	0.5	24.5	18.0	6.0	74.0	2.5
9.0	30.0	0.3	0.5	277.0	21.0	128.5	25.0	1.0	2.0
2.5	7.5	10.0	10.0	5.0	442.0	13.0	14.0	8.5	25.0
2.5	20.0	15.0	151.0	5.0	31.0	90.0			
47101-1161		5.0	0.5	0.5	18.8	34.0	18.0	99.0	2.5
25.0	48.0	0.8	1.0	151.0	37.0	160.0	25.0	1.0	2.0
2.5	19.0	10.0	10.0	5.0	2123.0	35.0	15.0	11.0	25.0
2.5	12.0	15.0	91.0	5.0	15.0	69.0			
47101-1161A		5.0	0.5	0.5	20.1	18.0	5.0	75.0	2.5
7.0	28.0	0.3	1.0	473.0	17.0	142.0	25.0	1.0	2.0
25.0	5.0	10.0	10.0	5.0	4294.0	15.5	19.0	13.0	25.0
2.5	13.0	15.0	189.0	5.0	25.0	210.0			
47101-1162		5.0	0.5	0.5	14.3	33.0	20.0	151.0	2.5
22.0	64.0	0.6	0.5	135.0	114.0	105.0	25.0	1.0	2.0
2.5	18.0	10.0	10.0	5.0	744.0	47.0	18.0	11.0	59.0
2.5	9.0	15.0	66.0	5.0	13.0	83.0			

Ech		Pt	Pd	Au	po	Cu	Pb	Zn	Mo
Co	Ni	Ag	Cd	Cr	Li	V	As	B	Be
Bi	Ga	Te	Tl	W	Ba	Ce	La	Nb	Rb
Sb	Sc	Sn	Sr	Ta	Y	Zr			
47101-1162A		5.0	2.0	0.5	20.5	30.0	5.0	76.0	2.5
24.0	42.0	0.3	0.5	164.0	23.0	245.0	25.0	1.0	2.0
2.5	15.0	10.0	10.0	5.0	562.0	18.0	10.0	8.0	25.0
2.5	15.0	15.0	172.0	5.0	18.0	34.0			
47101-1163		5.0	0.5	0.5	19.4	17.0	5.0	76.0	2.5
7.5	29.0	0.3	0.5	509.0	20.0	136.5	25.0	1.0	2.0
23.0	6.0	10.0	10.0	5.0	6882.0	11.0	14.0	12.0	25.0
2.5	15.0	15.0	187.0	5.0	32.0	134.0			
47101-1164		5.0	0.5	2.0	9.0	19.0	17.0	85.0	2.5
18.0	55.0	1.2	0.5	238.0	42.0	84.0	25.0	1.0	2.0
2.5	19.0	10.0	10.0	5.0	356.0	67.0	29.0	11.0	141.0
2.5	10.0	15.0	70.0	5.0	19.0	120.0			
47101-1165		5.0	801.0	2.0	20.7	39.0	5.0	308.0	2.5
49.5	246.0	0.5	0.5	20000.0	13.0	290.5	25.0	1.0	2.0
23.0	26.0	10.0	10.0	5.0	81.0	23.5	21.0	0.5	25.0
2.5	32.0	15.0	158.0	5.0	36.0	77.0			
47101-1166		5.0	3.0	0.5	19.2	48.0	11.0	87.0	2.5
33.0	226.0	1.2	0.5	628.0	28.0	213.0	25.0	1.0	2.0
2.5	19.0	10.0	10.0	5.0	199.0	35.0	16.0	8.0	25.0
2.5	25.0	33.0	146.0	5.0	24.0	65.0			
47101-1167		5.0	2.0	15.0	16.2	44.0	5.0	121.0	2.5
20.5	196.0	0.3	0.5	4723.0	22.0	154.0	25.0	1.0	2.0
2.5	12.5	10.0	10.0	5.0	176.0	17.5	22.0	5.5	25.0
2.5	25.0	20.0	155.0	5.0	28.0	69.0			
47101-1168		5.0	0.5	0.5	20.6	44.0	5.0	242.0	2.5
37.5	202.0	0.3	2.0	20000.0	15.0	254.0	25.0	1.0	2.0
16.0	21.0	10.0	10.0	13.0	117.0	18.5	25.0	4.0	87.0
2.5	32.0	15.0	188.0	5.0	37.0	65.0			
47101-1169		5.0	0.5	68.0	23.4	51.0	5.0	158.0	2.5
28.0	182.0	0.5	1.0	9757.0	20.0	177.5	25.0	1.0	2.0
2.5	16.0	10.0	10.0	14.0	214.0	16.5	21.0	5.5	25.0
2.5	26.0	15.0	168.0	5.0	30.0	57.0			
47101-1400		5.0	0.5	0.5	20.9	94.0	5.0	119.0	2.5
22.0	52.0	0.3	1.0	142.0	18.0	220.0	25.0	1.0	2.0
2.5	10.5	10.0	10.0	5.0	94.0	14.0	11.0	2.0	25.0
2.5	45.0	15.0	103.0	5.0	42.0	59.0			
47101-1401		5.0	2.0	0.5	14.5	74.0	6.0	91.0	2.5
22.5	43.0	0.3	2.0	231.0	14.0	206.0	25.0	1.0	2.0
2.5	10.5	10.0	10.0	5.0	67.0	16.0	12.0	1.5	25.0
2.5	40.0	15.0	148.0	5.0	44.0	85.0			
47101-1402		5.0	0.5	0.5	18.9	26.0	19.0	92.0	2.5
21.0	65.0	1.1	0.5	897.0	36.0	114.0	25.0	1.0	2.0
2.5	17.0	10.0	10.0	5.0	261.0	58.0	26.0	10.0	25.0
2.5	11.0	15.0	84.0	5.0	20.0	125.0			

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-03		196.0	71.8	10.0	16.0	135.0	14.0	26.0	9.0
3.7	3.0	118.0	12.0	508.0	25.0	1.0	2.0	2.5	38.0
10.0	10.0	45.0	103.0	158.0	104.0	378.0	106.0	2.5	8.0
116.0	34.0	43.0	107.0	2383.0					
47102-04		0.5	43.2	20.0	16.0	73.0	2.5	14.0	31.0
0.7	0.5	148.0	45.0	90.0	25.0	1.0	2.0	2.5	19.0
10.0	10.0	5.0	531.0	55.0	27.0	24.0	167.0	2.5	9.0
15.0	86.0	5.0	17.0	155.0					
47102-05		1007.0	93.3	18.0	15.0	155.0	13.0	24.0	13.0
2.8	2.0	152.0	14.0	513.0	25.0	1.0	2.0	2.5	33.0
10.0	10.0	54.0	150.0	145.0	71.0	461.0	85.0	2.5	9.0
103.0	48.0	40.0	101.0	2240.0					
47102-06		1.0	53.1	22.0	22.0	82.0	2.5	16.0	39.0
0.8	0.5	157.0	36.0	91.0	25.0	1.0	2.0	2.5	19.0
10.0	10.0	5.0	759.0	49.0	24.0	15.0	141.0	2.5	10.0
15.0	117.0	5.0	17.0	130.0					
47102-07		0.5	18.7	21.0	18.0	87.0	2.5	13.0	33.0
0.3	1.0	199.0	16.0	210.0	25.0	1.0	2.0	2.5	16.0
10.0	10.0	17.0	322.0	100.0	46.0	206.0	25.0	2.5	9.0
31.0	48.0	21.0	70.0	885.0					
47102-08		1.0	60.2	31.0	18.0	91.0	2.5	17.0	50.0
0.9	1.0	253.0	71.0	100.0	25.0	1.0	2.0	2.5	21.0
10.0	10.0	11.0	1596.0	68.0	34.0	32.0	206.0	6.0	12.0
15.0	92.0	5.0	20.0	163.0					
47102-09		0.5	63.0	21.0	14.0	87.0	2.5	14.0	48.0
0.7	0.5	116.0	62.0	84.0	25.0	1.0	2.0	2.5	20.0
10.0	10.0	5.0	757.0	59.0	29.0	13.0	162.0	2.5	10.0
15.0	86.0	5.0	15.0	95.0					
47102-10		0.5	47.8	26.0	15.0	85.0	2.5	15.0	41.0
0.7	0.5	201.0	67.0	84.0	25.0	1.0	2.0	2.5	20.0
10.0	10.0	5.0	812.0	59.0	30.0	23.0	165.0	2.5	10.0
15.0	83.0	5.0	18.0	131.0					
47102-11		1.0	62.5	28.0	21.0	105.0	2.5	16.0	41.0
0.7	0.5	130.0	70.0	80.0	25.0	1.0	2.0	2.5	20.0
10.0	10.0	5.0	756.0	65.0	30.0	12.0	157.0	2.5	10.0
15.0	68.0	5.0	15.0	89.0					
47102-12		0.5	17.5	14.0	12.0	61.0	2.5	10.0	31.0
0.5	0.5	224.0	53.0	54.0	25.0	1.0	2.0	2.5	11.0
10.0	10.0	5.0	1433.0	27.0	16.0	14.0	25.0	2.5	5.0
15.0	49.0	5.0	11.0	88.0					
47102-13		0.5	66.1	27.0	14.0	88.0	2.5	17.0	49.0
0.9	0.5	136.0	76.0	88.0	25.0	1.0	2.0	2.5	22.0
10.0	10.0	5.0	628.0	63.0	31.0	15.0	193.0	2.5	11.0
15.0	78.0	5.0	16.0	110.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-14		0.5	18.5	12.0	11.0	58.0	2.5	11.0	28.0
0.7	0.5	284.0	52.0	76.0	25.0	1.0	2.0	2.5	14.0
10.0	10.0	15.0	716.0	34.0	18.0	30.0	95.0	2.5	6.0
15.0	61.0	5.0	14.0	134.0					
47102-15		0.5	19.5	32.0	24.0	81.0	2.5	18.0	52.0
0.9	0.5	170.0	61.0	82.0	25.0	1.0	2.0	2.5	16.0
10.0	10.0	13.0	1010.0	49.0	27.0	11.0	84.0	8.0	10.0
15.0	73.0	5.0	15.0	95.0					
47102-16		2.0	21.7	30.0	19.0	67.0	2.5	18.0	36.0
1.1	0.5	332.0	34.0	111.0	25.0	1.0	2.0	2.5	15.0
10.0	10.0	5.0	1298.0	50.0	26.0	58.0	25.0	2.5	9.0
15.0	94.0	5.0	28.0	298.0					
47102-17		6.0	5.0	42.0	27.0	96.0	2.5	24.0	42.0
0.3	2.0	1470.0	26.0	223.0	25.0	1.0	2.0	2.5	13.0
10.0	10.0	36.0	2928.0	100.0	45.0	164.0	25.0	2.5	11.0
45.0	126.0	12.0	53.0	740.0					
47102-18		0.5	65.0	20.0	13.0	106.0	2.5	12.0	39.0
0.6	0.5	159.0	50.0	65.0	25.0	1.0	2.0	2.5	17.0
10.0	10.0	5.0	1077.0	50.0	24.0	10.0	116.0	2.5	8.0
15.0	60.0	5.0	13.0	81.0					
47102-19		7.0	26.0	45.0	10.0	127.0	2.5	17.0	43.0
0.8	0.5	681.0	35.0	55.0	25.0	1.0	2.0	2.5	10.0
10.0	10.0	5.0	818.0	36.0	18.0	10.0	25.0	2.5	7.0
15.0	164.0	5.0	17.0	86.0					
47102-20		3.0	11.0	20.0	30.0	82.0	2.5	17.0	39.0
0.8	0.5	234.0	34.0	120.0	25.0	1.0	2.0	2.5	10.0
10.0	10.0	5.0	1082.0	33.0	18.0	9.0	60.0	2.5	11.0
15.0	125.0	5.0	14.0	90.0					
47102-21		15.0	56.7	26.0	23.0	114.0	2.5	22.0	55.0
0.8	0.5	117.0	43.0	107.0	25.0	2.0	2.0	2.5	19.0
10.0	10.0	5.0	1349.0	59.0	27.0	12.0	146.0	2.5	13.0
15.0	152.0	5.0	20.0	117.0					
47102-22		0.5	47.1	31.0	25.0	107.0	2.5	24.0	58.0
0.3	0.5	157.0	42.0	183.0	25.0	1.0	2.0	6.0	17.0
10.0	10.0	5.0	1654.0	53.0	27.0	10.0	93.0	2.5	19.0
15.0	191.0	5.0	21.0	141.0					
47102-23		1.0	52.8	37.0	28.0	114.0	2.5	27.0	66.0
0.3	0.5	199.0	40.0	236.0	25.0	1.0	2.0	15.0	14.0
10.0	10.0	5.0	1655.0	48.0	27.0	6.0	117.0	2.5	24.0
15.0	193.0	5.0	22.0	167.0					
47102-24		0.5	60.0	31.0	26.0	94.0	2.5	24.0	55.0
0.3	2.0	155.0	42.0	157.0	25.0	1.0	2.0	2.5	17.0
10.0	10.0	5.0	1499.0	49.0	24.0	10.0	151.0	2.5	17.0
15.0	175.0	5.0	18.0	128.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-25		0.5	50.6	25.0	24.0	108.0	2.5	22.0	50.0
0.7	0.5	98.0	42.0	102.0	25.0	1.0	2.0	2.5	18.0
10.0	10.0	5.0	1361.0	62.0	28.0	11.0	147.0	2.5	13.0
15.0	152.0	5.0	19.0	116.0					
47102-26		0.5	60.0	24.0	21.0	104.0	2.5	21.0	50.0
0.3	0.5	156.0	42.0	156.0	25.0	1.0	2.0	2.5	18.0
10.0	10.0	5.0	1809.0	50.0	25.0	10.0	174.0	2.5	18.0
15.0	212.0	5.0	20.0	134.0					
47102-27		1.0	73.4	59.0	62.0	203.0	2.5	59.0	100.0
0.3	0.5	198.0	42.0	375.0	25.0	1.0	2.0	25.0	15.0
10.0	10.0	13.0	938.0	48.0	26.0	12.0	137.0	2.5	33.0
15.0	236.0	5.0	29.0	286.0					
47102-28		5.0	62.9	81.0	52.0	159.0	2.5	54.0	85.0
0.9	2.0	122.0	37.0	186.0	25.0	1.0	2.0	2.5	18.0
10.0	10.0	5.0	574.0	53.0	25.0	14.0	121.0	2.5	19.0
34.0	136.0	5.0	26.0	146.0					
47102-29		1.0	56.6	22.0	16.0	146.0	2.5	22.0	47.0
0.8	0.5	117.0	51.0	126.0	25.0	1.0	2.0	2.5	20.0
10.0	10.0	5.0	1128.0	54.0	26.0	13.0	126.0	2.5	16.0
15.0	245.0	5.0	18.0	130.0					
47102-30		28.0	58.3	36.0	27.0	168.0	2.5	32.0	60.0
1.1	0.5	99.0	50.0	166.0	25.0	1.0	2.0	2.5	22.0
10.0	10.0	5.0	1068.0	67.0	31.0	13.0	91.0	2.5	21.0
15.0	259.0	5.0	25.0	140.0					
47102-31		4.0	13.2	56.0	24.5	134.0	2.5	21.5	70.0
0.3	1.0	256.0	31.0	170.0	25.0	1.0	2.0	15.0	3.0
10.0	10.0	5.0	871.0	17.5	22.0	7.0	25.0	2.5	30.0
15.0	198.0	5.0	24.0	172.0					
47102-32		0.5	48.2	16.0	22.0	88.0	2.5	16.0	33.0
0.6	0.5	92.0	46.0	76.0	25.0	1.0	2.0	2.5	14.0
10.0	10.0	5.0	483.0	34.0	21.0	9.0	118.0	10.0	8.0
15.0	122.0	5.0	16.0	91.0					
47102-33		1.0	14.2	14.0	5.0	52.0	2.5	11.0	24.0
0.3	0.5	147.0	26.0	57.0	25.0	6.0	2.0	2.5	11.0
10.0	10.0	5.0	368.0	27.0	15.0	7.0	110.0	2.5	5.0
15.0	87.0	5.0	11.0	65.0					
47102-34		0.5	50.3	26.0	31.0	129.0	5.0	25.0	50.0
0.7	0.5	94.0	50.0	107.0	25.0	1.0	2.0	2.5	18.0
10.0	10.0	11.0	996.0	45.0	22.0	12.0	131.0	16.0	12.0
31.0	164.0	5.0	16.0	99.0					
47102-35		0.5	45.7	16.0	13.0	106.0	2.5	20.0	40.0
0.6	0.5	108.0	47.0	130.0	25.0	1.0	2.0	2.5	18.0
10.0	10.0	5.0	1369.0	32.0	17.0	11.0	98.0	2.5	15.0
15.0	272.0	5.0	15.0	100.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-36		1.0	41.4	26.0	38.0	104.0	7.0	24.0	45.0
0.5	0.5	109.0	44.0	154.0	53.0	1.0	2.0	8.0	19.0
10.0	10.0	12.0	958.0	43.0	22.0	15.0	135.0	27.0	18.0
15.0	219.0	13.0	19.0	117.0					
47102-37		0.5	44.8	9.0	11.0	65.0	2.5	13.0	24.0
0.6	0.5	101.0	30.0	89.0	25.0	1.0	2.0	2.5	14.0
10.0	10.0	5.0	429.0	23.0	14.0	12.0	74.0	2.5	8.0
15.0	147.0	5.0	12.0	95.0					
47102-38		17.0	35.5	28.0	106.0	203.0	6.0	14.0	47.0
0.6	1.0	198.0	22.0	53.0	66.0	1.0	2.0	2.5	10.0
10.0	10.0	17.0	250.0	39.0	19.0	8.0	25.0	29.0	6.0
15.0	39.0	5.0	13.0	90.0					
47102-39		10.0	25.5	27.0	118.0	181.0	2.5	11.0	38.0
1.1	1.0	221.0	21.0	47.0	25.0	1.0	2.0	2.5	8.0
10.0	10.0	5.0	191.0	30.0	15.0	6.0	81.0	2.5	4.0
15.0	29.0	5.0	10.0	70.0					
47102-40		6.0	35.7	38.0	95.0	115.0	2.5	11.0	39.0
0.8	0.5	174.0	19.0	46.0	25.0	1.0	2.0	2.5	8.0
10.0	10.0	5.0	341.0	35.0	22.0	6.0	73.0	2.5	5.0
15.0	35.0	5.0	12.0	74.0					
47102-41		10.0	28.4	24.0	92.0	142.0	2.5	12.0	37.0
1.1	0.5	273.0	16.0	40.0	25.0	1.0	2.0	2.5	8.0
10.0	10.0	5.0	163.0	26.0	13.0	7.0	65.0	9.0	3.0
15.0	27.0	5.0	8.0	77.0					
47102-42		3.0	32.3	21.0	56.0	62.0	2.5	6.0	20.0
0.6	0.5	122.0	17.0	35.0	25.0	5.0	2.0	2.5	8.0
10.0	10.0	5.0	185.0	21.0	14.0	5.0	67.0	6.0	4.0
15.0	45.0	5.0	10.0	41.0					
47102-43		9.0	33.4	26.0	98.0	209.0	2.5	13.0	38.0
1.8	1.0	162.0	21.0	45.0	25.0	1.0	2.0	2.5	9.0
10.0	10.0	5.0	194.0	34.0	18.0	6.0	78.0	2.5	5.0
15.0	32.0	5.0	11.0	67.0					
47102-44		2.0	43.1	20.0	50.0	128.0	6.0	11.0	25.0
0.6	0.5	118.0	23.0	42.0	51.0	1.0	2.0	2.5	10.0
10.0	10.0	11.0	463.0	38.0	16.0	7.0	74.0	25.0	5.0
15.0	45.0	5.0	11.0	66.0					
47102-45		6.0	41.4	592.0	159.0	418.0	54.0	22.0	51.0
1.5	2.0	104.0	22.0	53.0	25.0	1.0	2.0	2.5	14.0
10.0	10.0	20.0	1118.0	33.0	18.0	8.0	62.0	7.0	6.0
15.0	84.0	5.0	15.0	72.0					
47102-46		0.5	22.4	10.0	25.0	42.0	2.5	9.0	32.0
0.3	0.5	222.0	24.0	42.0	25.0	1.0	2.0	2.5	9.0
10.0	10.0	11.0	238.0	33.0	16.0	6.0	82.0	19.0	5.0
15.0	51.0	5.0	11.0	86.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-47		1.0	44.1	11.0	13.0	50.0	2.5	9.0	34.0
0.3	0.5	252.0	25.0	41.0	25.0	1.0	2.0	2.5	10.0
10.0	10.0	5.0	438.0	33.0	17.0	8.0	25.0	2.5	5.0
15.0	54.0	5.0	13.0	125.0					
47102-48		2.0	39.1	18.0	22.0	41.0	2.5	15.0	47.0
0.6	0.5	338.0	16.0	35.0	25.0	1.0	2.0	2.5	8.0
10.0	10.0	5.0	232.0	32.0	17.0	7.0	89.0	2.5	4.0
15.0	39.0	5.0	13.0	131.0					
47102-49		1.0	28.1	17.0	18.0	62.0	2.5	7.0	28.0
0.6	0.5	131.0	24.0	35.0	25.0	1.0	2.0	2.5	11.0
10.0	10.0	5.0	375.0	27.0	14.0	6.0	77.0	2.5	4.0
15.0	87.0	5.0	11.0	49.0					
47102-50		1.0	33.5	11.0	16.0	41.0	2.5	10.0	31.0
0.3	0.5	200.0	30.0	45.0	25.0	1.0	2.0	2.5	10.0
10.0	10.0	5.0	348.0	40.0	20.0	7.0	94.0	2.5	6.0
15.0	54.0	5.0	12.0	107.0					
47102-51		1.0	25.4	27.0	36.0	103.0	8.0	19.0	88.0
0.8	0.5	179.0	59.0	101.0	25.0	1.0	2.0	5.0	22.0
10.0	10.0	24.0	620.0	53.0	26.0	13.0	167.0	24.0	10.0
37.0	84.0	5.0	12.0	88.0					
47102-52		3.0	37.0	32.0	33.0	90.0	7.0	18.0	60.0
0.6	0.5	152.0	64.0	95.0	25.0	1.0	2.0	2.5	21.0
10.0	10.0	5.0	957.0	55.0	30.0	12.0	226.0	18.0	11.0
15.0	76.0	5.0	14.0	89.0					
47102-53		2.0	24.4	29.0	37.0	86.0	8.0	17.0	39.0
0.7	0.5	127.0	47.0	110.0	25.0	1.0	2.0	2.5	21.0
10.0	10.0	19.0	3015.0	52.0	27.0	19.0	136.0	29.0	9.0
32.0	93.0	5.0	15.0	109.0					
47102-54		4.0	16.0	32.0	14.0	90.0	2.5	19.0	34.0
0.9	0.5	144.0	41.0	117.0	25.0	1.0	2.0	2.5	20.0
10.0	10.0	5.0	11092.0	47.0	26.0	34.0	136.0	2.5	8.0
15.0	121.0	5.0	16.0	164.0					
47102-55		5.0	10.4	30.0	26.0	74.0	2.5	22.0	49.0
0.5	0.5	168.0	62.0	83.0	25.0	1.0	2.0	2.5	22.0
10.0	10.0	5.0	4409.0	31.0	18.0	12.0	138.0	2.5	7.0
15.0	86.0	5.0	8.0	99.0					
47102-56		6.0	16.8	55.0	5.0	98.0	5.0	19.0	39.0
0.7	0.5	158.0	32.0	155.0	25.0	1.0	2.0	7.0	19.0
10.0	10.0	5.0	2217.0	56.0	31.0	80.0	127.0	2.5	7.0
15.0	214.0	5.0	22.0	375.0					
47102-57		784.0	8.7	46.0	5.0	88.0	2.5	17.0	34.0
0.9	0.5	222.0	38.0	164.0	25.0	1.0	2.0	2.5	20.0
10.0	10.0	5.0	3886.0	50.0	29.0	64.0	104.0	2.5	6.0
15.0	164.0	5.0	16.0	284.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-58		2.0	25.0	25.0	22.0	82.0	2.5	18.0	48.0
0.7	0.5	208.0	57.0	85.0	25.0	1.0	2.0	2.5	20.0
10.0	10.0	5.0	3197.0	44.0	24.0	18.0	135.0	2.5	8.0
15.0	82.0	5.0	12.0	126.0					
47102-59		5.0	20.7	49.0	38.0	77.0	2.5	20.0	45.0
0.5	0.5	149.0	131.0	85.0	25.0	1.0	2.0	2.5	19.0
10.0	10.0	5.0	2406.0	40.0	23.0	10.0	165.0	2.5	7.0
15.0	93.0	5.0	10.0	95.0					
47102-60		0.5	28.6	23.0	56.0	78.0	14.0	16.0	44.0
0.6	0.5	124.0	55.0	83.0	117.0	1.0	2.0	6.0	19.0
10.0	10.0	27.0	563.0	52.0	26.0	12.0	192.0	55.0	9.0
43.0	71.0	5.0	12.0	87.0					
47102-61		2.0	16.8	26.0	22.0	76.0	2.5	16.0	41.0
0.6	0.5	230.0	57.0	76.0	25.0	1.0	2.0	2.5	19.0
10.0	10.0	5.0	3307.0	32.0	19.0	14.0	195.0	2.5	7.0
15.0	139.0	5.0	10.0	88.0					
47102-62		2.0	20.0	28.0	19.0	83.0	2.5	19.0	51.0
0.3	0.5	214.0	74.0	87.0	25.0	1.0	2.0	2.5	19.0
10.0	10.0	5.0	3073.0	44.0	24.0	15.0	99.0	2.5	8.0
15.0	93.0	5.0	12.0	104.0					
47102-63		3.0	18.1	23.0	14.0	64.0	2.5	14.0	40.0
0.3	0.5	137.0	55.0	74.0	25.0	1.0	2.0	2.5	17.0
10.0	10.0	5.0	2332.0	21.0	15.0	9.0	101.0	2.5	6.0
15.0	203.0	5.0	10.0	86.0					
47102-64		5.0	18.0	33.0	24.0	90.0	7.0	17.0	36.0
0.6	0.5	118.0	45.0	103.0	25.0	1.0	2.0	2.5	19.0
10.0	10.0	5.0	6360.0	62.0	35.0	18.0	136.0	7.0	9.0
15.0	105.0	5.0	16.0	141.0					
47102-65		2.0	27.8	31.0	20.0	71.0	2.5	15.0	44.0
0.3	0.5	104.0	58.0	82.0	25.0	1.0	2.0	2.5	16.0
10.0	10.0	5.0	1718.0	42.0	24.0	8.0	147.0	2.5	9.0
15.0	253.0	5.0	14.0	67.0					
47102-66		2230.0	25.7	73.0	5.0	115.0	10.0	22.0	42.0
0.3	0.5	370.0	29.0	235.0	50.0	1.0	2.0	10.0	15.0
10.0	10.0	1000.0	1713.0	108.0	44.0	92.0	80.0	2.5	11.0
15.0	297.0	5.0	42.0	643.0					
47102-067		0.5	18.3	21.0	27.0	67.0	2.5	19.0	55.0
0.3	0.5	520.0	28.0	127.0	25.0	1.0	8.2	2.5	7.0
10.0	10.0	5.0	334.0	31.0	19.0	4.0	115.0	2.5	9.0
15.0	82.0	5.0	14.0	93.0					
47102-068		0.5	18.5	17.0	21.0	83.0	2.5	15.0	49.0
0.3	0.5	368.0	60.0	71.0	25.0	1.0	4.8	2.5	11.0
10.0	10.0	5.0	327.0	52.0	24.0	7.0	108.0	2.5	7.0
15.0	78.0	5.0	16.0	106.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-069		0.5	14.1	21.0	26.0	74.0	2.5	17.0	52.0
0.3	2.0	560.0	32.0	148.0	25.0	1.0	8.3	2.5	7.0
10.0	10.0	5.0	394.0	35.0	20.0	6.0	25.0	2.5	7.0
15.0	79.0	5.0	13.0	121.0					
47102-070		0.5	10.8	16.0	19.0	57.0	2.5	14.0	43.0
0.3	1.0	624.0	52.0	71.0	25.0	1.0	5.1	2.5	11.0
10.0	10.0	5.0	398.0	59.0	29.0	9.0	108.0	2.5	7.0
15.0	90.0	5.0	13.0	153.0					
47102-071		0.5	12.9	13.0	15.0	50.0	2.5	11.0	35.0
0.3	0.5	709.0	63.0	55.0	25.0	1.0	4.4	2.5	8.0
10.0	10.0	5.0	306.0	50.0	27.0	8.0	98.0	2.5	6.0
15.0	58.0	5.0	15.0	188.0					
47102-072		0.5	14.9	12.0	15.0	64.0	2.5	10.0	34.0
0.3	0.5	507.0	53.0	53.0	25.0	1.0	2.0	2.5	9.0
10.0	10.0	5.0	326.0	40.0	23.0	7.0	72.0	2.5	6.0
15.0	56.0	5.0	15.0	109.0					
47102-073		3.0	21.3	25.0	15.0	89.0	2.5	9.5	61.0
0.3	1.0	598.0	19.0	127.5	25.0	1.0	10.5	10.0	2.5
10.0	10.0	5.0	530.0	15.0	21.0	0.5	77.0	2.5	12.0
15.0	77.0	5.0	16.0	136.0					
47102-074		2.0	15.1	18.0	18.0	60.0	2.5	11.0	33.0
0.3	0.5	506.0	32.0	56.0	25.0	1.0	4.1	2.5	8.0
10.0	10.0	5.0	594.0	38.0	21.0	7.0	25.0	2.5	6.0
15.0	99.0	5.0	13.0	103.0					
47102-075		0.5	11.1	13.0	12.0	66.0	2.5	10.0	47.0
0.3	0.5	755.0	25.0	48.0	25.0	1.0	2.0	2.5	9.0
10.0	10.0	5.0	241.0	40.0	21.0	7.0	90.0	2.5	5.0
15.0	53.0	5.0	12.0	147.0					
47102-076		1.0	18.2	16.0	19.0	51.0	2.5	13.0	47.0
0.3	0.5	890.0	20.0	48.0	25.0	1.0	4.4	2.5	8.0
10.0	10.0	5.0	248.0	44.0	24.0	8.0	59.0	2.5	6.0
15.0	56.0	5.0	15.0	190.0					
47102-077		1.0	15.8	10.0	12.0	78.0	2.5	11.0	47.0
0.3	1.0	482.0	38.0	50.0	25.0	1.0	2.0	2.5	9.0
10.0	10.0	5.0	243.0	36.0	19.0	7.0	103.0	2.5	5.0
15.0	59.0	5.0	14.0	104.0					
47102-078		0.5	14.1	15.0	16.0	80.0	2.5	13.0	57.0
0.3	0.5	493.0	37.0	58.0	25.0	1.0	4.5	2.5	10.0
10.0	10.0	5.0	283.0	36.0	18.0	7.0	93.0	2.5	6.0
15.0	57.0	5.0	12.0	108.0					
47102-079		4.0	18.9	15.0	23.0	87.0	2.5	12.0	44.0
0.3	0.5	351.0	36.0	51.0	25.0	1.0	4.3	2.5	10.0
10.0	10.0	5.0	316.0	31.0	19.0	7.0	25.0	2.5	6.0
15.0	62.0	5.0	13.0	83.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-080		2.0	12.5	17.0	26.0	61.0	2.5	14.0	53.0
0.3	0.5	865.0	30.0	47.0	25.0	1.0	4.7	2.5	8.0
10.0	10.0	5.0	834.0	39.0	20.0	7.0	68.0	2.5	5.0
15.0	60.0	5.0	13.0	144.0					
47102-081		1.0	16.3	14.0	19.0	53.0	2.5	11.0	38.0
0.3	0.5	586.0	25.0	45.0	25.0	1.0	2.0	2.5	8.0
10.0	10.0	5.0	223.0	40.0	22.0	7.0	80.0	2.5	6.0
15.0	52.0	5.0	14.0	118.0					
47102-082		2.0	10.9	13.0	16.0	65.0	2.5	12.0	39.0
0.3	0.5	493.0	49.0	54.0	25.0	1.0	4.5	2.5	9.0
10.0	10.0	5.0	359.0	48.0	25.0	7.0	73.0	2.5	6.0
15.0	70.0	5.0	13.0	101.0					
47102-083		2.0	15.4	19.0	24.0	90.0	2.5	19.0	52.0
0.3	0.5	254.0	67.0	78.0	25.0	1.0	6.0	2.5	12.0
10.0	10.0	5.0	431.0	43.0	22.0	9.0	120.0	2.5	8.0
15.0	74.0	5.0	14.0	112.0					
47102-084		5.0	11.8	93.0	90.0	185.0	2.5	39.0	157.0
0.6	2.0	266.0	47.0	75.0	25.0	1.0	14.3	2.5	12.0
10.0	10.0	5.0	3504.0	63.0	31.0	9.0	108.0	2.5	9.0
15.0	108.0	5.0	24.0	127.0					
47102-085		5.0	11.8	17.0	27.0	80.0	2.5	14.0	41.0
0.3	0.5	299.0	49.0	74.0	25.0	1.0	5.2	2.5	12.0
10.0	10.0	5.0	512.0	46.0	25.0	8.0	25.0	2.5	7.0
15.0	111.0	5.0	14.0	92.0					
47102-086		0.5	8.8	42.0	88.0	124.0	2.5	30.0	80.0
0.6	2.0	273.0	37.0	90.0	25.0	1.0	13.3	2.5	12.0
10.0	10.0	5.0	811.0	44.0	23.0	8.0	165.0	2.5	8.0
15.0	168.0	5.0	28.0	102.0					
47102-087		0.5	9.7	19.0	18.0	58.0	2.5	13.0	45.0
0.3	0.5	616.0	42.0	63.0	25.0	1.0	5.6	2.5	9.0
10.0	10.0	5.0	296.0	48.0	28.0	8.0	25.0	2.5	8.0
15.0	74.0	5.0	18.0	136.0					
47102-088		0.5	9.8	11.0	5.0	32.0	2.5	5.0	21.0
0.3	0.5	802.0	18.0	43.0	25.0	1.0	2.0	2.5	7.0
10.0	10.0	5.0	155.0	64.0	36.0	7.0	25.0	2.5	5.0
15.0	48.0	5.0	15.0	299.0					
47102-089		1.0	11.3	16.0	18.0	68.0	2.5	15.0	45.0
0.3	0.5	425.0	53.0	73.0	25.0	1.0	5.8	2.5	12.0
10.0	10.0	5.0	336.0	52.0	26.0	9.0	82.0	2.5	8.0
15.0	62.0	5.0	15.0	119.0					
47102-090		0.5	13.3	13.0	17.0	44.0	2.5	9.0	26.0
0.3	0.5	468.0	43.0	65.0	25.0	1.0	4.5	2.5	11.0
10.0	10.0	5.0	354.0	48.0	26.0	8.0	25.0	2.5	8.0
15.0	58.0	5.0	16.0	142.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-091		0.5	11.4	18.0	19.0	96.0	2.5	14.0	48.0
0.3	0.5	506.0	74.0	76.0	25.0	1.0	5.8	2.5	12.0
10.0	10.0	5.0	322.0	51.0	25.0	10.0	150.0	2.5	7.0
15.0	62.0	5.0	15.0	146.0					
47102-092		0.5	10.9	15.0	17.0	47.0	2.5	13.0	37.0
0.3	0.5	537.0	31.0	61.0	25.0	1.0	5.1	2.5	11.0
10.0	10.0	5.0	246.0	41.0	23.0	8.0	85.0	2.5	7.0
15.0	49.0	5.0	12.0	145.0					
47102-093		0.5	11.0	13.0	24.0	68.0	2.5	6.0	18.0
0.3	0.5	242.0	27.0	36.0	25.0	3.0	2.0	2.5	6.0
10.0	10.0	5.0	438.0	19.0	18.0	4.0	25.0	2.5	5.0
15.0	50.0	5.0	14.0	47.0					
47102-094		0.5	10.7	16.0	33.0	86.0	2.5	10.0	25.0
0.3	0.5	264.0	33.0	52.0	25.0	1.0	2.0	2.5	7.0
10.0	10.0	5.0	337.0	18.0	16.0	4.0	75.0	2.5	6.0
15.0	53.0	5.0	13.0	47.0					
47102-095		6.0	9.5	15.0	32.0	51.0	2.5	10.0	21.0
0.3	0.5	340.0	18.0	36.0	25.0	2.0	2.0	2.5	5.0
10.0	10.0	5.0	259.0	19.0	12.0	4.0	25.0	2.5	4.0
15.0	43.0	5.0	8.0	45.0					
47102-096		0.5	12.6	24.0	47.0	70.0	2.5	19.0	30.0
0.6	0.5	213.0	31.0	110.0	25.0	1.0	6.5	2.5	10.0
10.0	10.0	5.0	259.0	23.0	18.0	6.0	51.0	2.5	13.0
15.0	95.0	5.0	15.0	67.0					
47102-097		0.5	9.6	18.0	34.0	59.0	2.5	8.0	26.0
0.3	0.5	354.0	24.0	42.0	25.0	1.0	2.0	2.5	6.0
10.0	10.0	5.0	293.0	19.0	14.0	4.0	58.0	2.5	4.0
15.0	51.0	5.0	10.0	48.0					
47102-098		1.0	9.7	44.0	77.0	131.0	2.5	40.0	52.0
0.3	2.0	205.0	32.0	224.0	25.0	1.0	12.4	2.5	12.0
10.0	10.0	5.0	836.0	32.0	22.0	6.0	25.0	2.5	22.0
15.0	183.0	5.0	19.0	96.0					
47102-099		1.0	9.1	30.0	48.0	70.0	2.5	23.0	36.0
0.3	0.5	273.0	26.0	86.0	25.0	1.0	6.6	2.5	8.0
10.0	10.0	5.0	4232.0	21.0	16.0	5.0	90.0	2.5	8.0
15.0	131.0	5.0	13.0	57.0					
47102-100		0.5	10.3	24.0	44.0	71.0	2.5	9.0	24.0
0.3	0.5	270.0	23.0	51.0	25.0	1.0	2.0	2.5	7.0
10.0	10.0	5.0	308.0	16.0	12.0	4.0	62.0	2.5	6.0
15.0	53.0	5.0	10.0	43.0					
47102-104		0.5	24.2	75.0	56.0	120.0	2.5	18.0	39.0
0.5	1.0	131.0	21.0	49.0	25.0	1.0	2.0	2.5	16.0
10.0	10.0	5.0	419.0	36.0	19.0	7.0	104.0	2.5	6.0
15.0	108.0	5.0	15.0	68.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-105		28.0	19.6	173.0	57.0	160.0	12.0	10.0	28.0
0.3	0.5	158.0	25.0	53.0	25.0	1.0	2.0	2.5	16.0
10.0	10.0	5.0	620.0	44.0	19.0	4.0	150.0	2.5	7.0
15.0	218.0	5.0	15.0	67.0					
47102-106		5.0	11.2	34.0	35.0	134.0	2.5	6.0	24.0
0.3	0.5	235.0	19.0	40.0	25.0	1.0	2.0	2.5	14.0
10.0	10.0	5.0	414.0	40.0	21.0	7.0	98.0	2.5	4.0
15.0	134.0	5.0	12.0	68.0					
47102-107		0.5	35.1	20.0	22.0	62.0	2.5	14.0	139.0
0.3	0.5	275.0	25.0	59.0	25.0	1.0	2.0	2.5	14.0
10.0	10.0	5.0	1023.0	42.0	21.0	4.0	73.0	2.5	8.0
15.0	186.0	5.0	15.0	62.0					
47102-108		0.5	12.8	17.0	19.0	55.0	2.5	9.0	28.0
0.3	0.5	132.0	26.0	50.0	25.0	1.0	2.0	2.5	7.0
10.0	10.0	5.0	651.0	35.0	18.0	4.0	87.0	2.5	7.0
15.0	169.0	5.0	13.0	58.0					
47102-109		1.0	14.8	19.0	23.0	77.0	2.5	12.0	34.0
0.7	0.5	303.0	29.0	83.0	25.0	1.0	2.0	2.5	16.0
10.0	10.0	5.0	737.0	43.0	21.0	10.0	74.0	2.5	9.0
15.0	106.0	5.0	14.0	101.0					
47102-110		0.5	60.7	35.0	22.0	66.0	2.5	10.0	33.0
0.3	0.5	90.0	25.0	58.0	25.0	1.0	2.0	2.5	13.0
10.0	10.0	5.0	510.0	40.0	20.0	5.0	138.0	2.5	7.0
15.0	160.0	5.0	15.0	61.0					
47102-111		0.5	25.4	22.0	27.0	78.0	2.5	15.0	37.0
0.7	0.5	233.0	31.0	90.0	25.0	1.0	2.0	2.5	17.0
10.0	10.0	5.0	749.0	42.0	21.0	10.0	88.0	2.5	10.0
15.0	113.0	5.0	14.0	115.0					
47102-112		0.5	24.8	28.0	23.0	99.0	2.5	18.0	46.0
0.7	0.5	118.0	57.0	106.0	25.0	1.0	2.0	2.5	23.0
10.0	10.0	5.0	691.0	65.0	31.0	11.0	176.0	2.5	10.0
15.0	70.0	5.0	15.0	105.0					
47102-113		0.5	30.8	34.0	15.0	90.0	2.5	10.0	22.0
0.3	0.5	156.0	31.0	146.0	25.0	1.0	2.0	2.5	21.0
10.0	10.0	5.0	456.0	86.0	46.0	138.0	106.0	2.5	10.0
15.0	172.0	15.0	48.0	847.0					
47102-114		0.5	56.9	11.0	5.0	62.0	2.5	9.0	26.0
0.5	0.5	188.0	59.0	62.0	25.0	1.0	2.0	2.5	18.0
10.0	10.0	5.0	400.0	48.0	24.0	17.0	133.0	2.5	7.0
15.0	73.0	5.0	14.0	124.0					
47102-115		0.5	52.9	31.0	18.0	91.0	2.5	18.0	62.0
0.9	0.5	111.0	63.0	103.0	25.0	1.0	2.0	2.5	25.0
10.0	10.0	5.0	501.0	72.0	37.0	13.0	220.0	2.5	14.0
15.0	80.0	5.0	18.0	103.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-116		1.0	27.1	32.0	33.0	70.0	2.5	19.0	43.0
1.0	0.5	345.0	42.0	84.0	25.0	1.0	2.0	2.5	16.0
10.0	10.0	5.0	4632.0	40.0	22.0	24.0	25.0	2.5	7.0
15.0	89.0	5.0	15.0	133.0					
47102-117		0.5	59.9	22.0	14.0	64.0	2.5	11.0	36.0
0.3	0.5	144.0	44.0	69.0	25.0	1.0	2.0	2.5	18.0
10.0	10.0	5.0	390.0	53.0	28.0	11.0	158.0	2.5	10.0
15.0	145.0	5.0	19.0	116.0					
47102-118		0.5	14.9	23.0	16.0	77.0	2.5	15.0	47.0
0.5	0.5	343.0	54.0	91.0	25.0	1.0	5.6	2.5	21.0
10.0	10.0	5.0	546.0	67.0	34.0	15.0	157.0	2.5	11.0
15.0	78.0	5.0	20.0	208.0					
47102-119		0.5	26.9	25.0	18.0	77.0	2.5	16.0	46.0
0.8	0.5	319.0	53.0	92.0	25.0	1.0	6.1	2.5	23.0
10.0	10.0	5.0	684.0	63.0	31.0	17.0	170.0	2.5	11.0
15.0	88.0	5.0	21.0	115.0					
47102-120		0.5	36.4	35.0	30.0	117.0	2.5	28.0	68.0
0.7	0.5	135.0	43.0	174.0	25.0	1.0	10.1	2.5	21.0
10.0	10.0	5.0	950.0	61.0	30.0	10.0	142.0	2.5	17.0
15.0	133.0	5.0	24.0	127.0					
47102-121		0.5	49.1	32.0	26.0	98.0	2.5	23.0	58.0
0.9	0.5	99.0	42.0	122.0	25.0	1.0	6.7	2.5	22.0
10.0	10.0	5.0	1240.0	67.0	31.0	12.0	167.0	2.5	15.0
15.0	161.0	5.0	23.0	128.0					
47102-122		0.5	19.4	30.0	28.0	83.0	2.5	25.0	62.0
0.3	0.5	156.0	57.0	175.0	25.0	1.0	7.9	6.0	19.0
10.0	10.0	5.0	771.0	49.0	21.0	8.0	143.0	2.5	16.0
15.0	135.0	5.0	16.0	132.0					
47102-123		0.5	18.5	31.0	23.0	86.0	2.5	22.0	50.0
0.7	0.5	163.0	57.0	158.0	25.0	1.0	7.3	6.0	21.0
10.0	10.0	10.0	1540.0	58.0	26.0	12.0	148.0	2.5	17.0
15.0	233.0	5.0	27.0	138.0					
47102-124		0.5	25.8	8.0	5.0	60.0	2.5	10.0	22.0
0.6	0.5	131.0	37.0	84.0	25.0	1.0	2.0	2.5	16.0
10.0	10.0	5.0	1603.0	34.0	18.0	8.0	78.0	2.5	8.0
15.0	197.0	5.0	12.0	92.0					
47102-126A		0.5	12.7	25.0	23.0	105.0	2.5	21.0	46.0
0.7	0.5	261.0	42.0	128.0	25.0	1.0	6.5	2.5	19.0
10.0	10.0	5.0	1322.0	57.0	26.0	10.0	134.0	2.5	14.0
15.0	151.0	5.0	18.0	125.0					
47102-126B		5.0	47.7	29.0	25.0	112.0	2.5	25.0	58.0
0.9	0.5	116.0	51.0	102.0	25.0	1.0	6.7	2.5	21.0
10.0	10.0	5.0	1233.0	65.0	29.0	11.0	190.0	2.5	13.0
15.0	136.0	5.0	21.0	109.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-127		0.5	44.6	50.0	28.0	80.0	2.5	16.0	43.0
0.8	0.5	148.0	36.0	98.0	25.0	1.0	6.2	2.5	20.0
10.0	10.0	5.0	1023.0	49.0	24.0	10.0	119.0	2.5	12.0
15.0	163.0	5.0	17.0	105.0					
47102-128		0.5	15.0	14.0	13.0	51.0	2.5	13.0	34.0
0.3	0.5	255.0	30.0	67.0	25.0	5.0	2.0	2.5	13.0
10.0	10.0	5.0	219.0	45.0	22.0	8.0	135.0	2.5	7.0
15.0	56.0	5.0	14.0	89.0					
47102-129		0.5	37.4	21.0	18.0	61.0	2.5	14.0	44.0
0.3	0.5	92.0	33.0	91.0	25.0	1.0	4.9	2.5	17.0
10.0	10.0	5.0	319.0	45.0	21.0	10.0	101.0	2.5	9.0
15.0	82.0	5.0	14.0	115.0					
47102-130		0.5	13.3	16.0	16.0	71.0	2.5	16.0	37.0
0.6	0.5	193.0	47.0	83.0	25.0	1.0	4.9	2.5	17.0
10.0	10.0	5.0	583.0	41.0	19.0	9.0	162.0	2.5	9.0
15.0	118.0	5.0	16.0	108.0					
47102-131		2.0	44.7	14.0	17.0	76.0	2.5	8.0	18.0
0.3	0.5	63.0	58.0	52.0	25.0	1.0	4.2	2.5	16.0
10.0	10.0	5.0	606.0	44.0	22.0	9.0	150.0	2.5	8.0
15.0	103.0	5.0	20.0	106.0					
47102-132		0.5	53.1	14.0	16.0	69.0	2.5	15.0	38.0
0.7	0.5	139.0	42.0	97.0	25.0	1.0	5.1	2.5	16.0
10.0	10.0	5.0	623.0	37.0	18.0	9.0	103.0	2.5	10.0
15.0	123.0	5.0	14.0	105.0					
47102-133		0.5	37.2	25.0	24.0	81.0	2.5	26.0	62.0
0.7	0.5	293.0	45.0	140.0	25.0	1.0	8.1	2.5	20.0
10.0	10.0	5.0	849.0	66.0	29.0	11.0	163.0	2.5	14.0
15.0	112.0	5.0	22.0	166.0					
47102-134		30.0	34.4	9.0	5.0	60.0	2.5	13.0	33.0
0.7	0.5	177.0	36.0	98.0	25.0	1.0	2.0	2.5	16.0
10.0	10.0	5.0	518.0	31.0	17.0	9.0	97.0	2.5	9.0
15.0	125.0	5.0	12.0	119.0					
47102-135		6.0	17.3	29.0	25.0	99.0	6.0	17.0	40.0
0.3	0.5	126.0	66.0	88.0	25.0	1.0	2.0	2.5	19.0
10.0	10.0	21.0	3928.0	54.0	30.0	13.0	151.0	2.5	9.0
15.0	111.0	5.0	14.0	87.0					
47102-136		0.5	30.4	15.0	13.0	86.0	2.5	13.0	34.0
0.3	0.5	115.0	62.0	81.0	25.0	1.0	2.0	2.5	17.0
10.0	10.0	5.0	660.0	44.0	23.0	10.0	116.0	2.5	6.0
15.0	76.0	5.0	11.0	85.0					
47102-137		0.5	22.5	14.0	15.0	71.0	2.5	11.0	31.0
0.3	0.5	259.0	59.0	88.0	25.0	1.0	2.0	2.5	13.0
10.0	10.0	16.0	964.0	38.0	21.0	10.0	25.0	2.5	10.0
15.0	122.0	5.0	12.0	91.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-138		1.0	27.7	23.0	24.0	125.0	6.0	18.0	38.0
0.3	0.5	107.0	58.0	119.0	25.0	1.0	2.0	2.5	17.0
10.0	10.0	5.0	713.0	52.0	27.0	10.0	83.0	9.0	9.0
32.0	68.0	5.0	12.0	95.0					
47102-139		1.0	22.6	25.0	27.0	86.0	5.0	15.0	53.0
0.3	0.5	149.0	62.0	78.0	25.0	1.0	2.0	2.5	18.0
10.0	10.0	17.0	605.0	52.0	29.0	10.0	207.0	16.0	9.0
15.0	65.0	5.0	16.0	88.0					
47102-140		0.5	16.8	25.0	22.0	126.0	2.5	18.0	54.0
0.3	1.0	167.0	72.0	78.0	25.0	1.0	2.0	2.5	17.0
10.0	10.0	5.0	632.0	52.0	28.0	10.0	185.0	2.5	9.0
15.0	59.0	5.0	13.0	78.0					
47102-141		1.0	11.7	25.0	20.0	87.0	2.5	14.0	45.0
0.3	0.5	301.0	58.0	77.0	25.0	1.0	2.0	2.5	17.0
10.0	10.0	5.0	865.0	48.0	27.0	12.0	195.0	2.5	9.0
15.0	68.0	5.0	13.0	95.0					
47102-142		6.0	10.5	23.0	20.0	102.0	2.5	13.0	50.0
0.3	0.5	225.0	69.0	82.0	25.0	1.0	2.0	2.5	17.0
10.0	10.0	5.0	420.0	45.0	25.0	13.0	156.0	2.5	9.0
15.0	67.0	5.0	12.0	89.0					
47102-143		5.0	5.9	23.0	38.0	92.0	6.0	14.0	49.0
0.3	0.5	401.0	63.0	85.0	25.0	1.0	2.0	2.5	17.0
10.0	10.0	16.0	512.0	52.0	27.0	14.0	195.0	28.0	9.0
15.0	73.0	5.0	13.0	112.0					
47102-144		5.0	10.4	24.0	25.0	92.0	5.0	16.0	51.0
0.3	0.5	237.0	68.0	88.0	25.0	1.0	2.0	2.5	19.0
10.0	10.0	5.0	671.0	50.0	28.0	13.0	232.0	8.0	10.0
15.0	74.0	5.0	13.0	95.0					
47102-145		4.0	5.0	21.0	39.0	93.0	10.0	15.0	48.0
0.3	0.5	383.0	93.0	93.0	73.0	1.0	2.0	2.5	16.0
10.0	10.0	18.0	757.0	47.0	27.0	12.0	103.0	37.0	10.0
15.0	101.0	5.0	14.0	106.0					
47102-146		1.0	19.8	10.0	11.0	72.0	2.5	11.0	26.0
0.3	0.5	336.0	47.0	72.0	25.0	1.0	2.0	2.5	12.0
10.0	10.0	5.0	844.0	34.0	19.0	15.0	195.0	2.5	6.0
15.0	113.0	5.0	12.0	106.0					
47102-147		9.0	7.1	30.0	23.0	87.0	2.5	17.0	46.0
0.3	0.5	333.0	65.0	91.0	25.0	1.0	2.0	2.5	17.0
10.0	10.0	5.0	1597.0	46.0	26.0	13.0	177.0	7.0	9.0
15.0	65.0	5.0	12.0	114.0					
47102-148		1.0	13.8	21.0	14.0	99.0	2.5	15.0	47.0
0.3	0.5	328.0	67.0	88.0	25.0	1.0	2.0	2.5	18.0
10.0	10.0	10.0	711.0	53.0	29.0	18.0	137.0	2.5	8.0
15.0	64.0	5.0	12.0	116.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-149		0.5	11.1	21.0	18.0	100.0	2.5	16.0	52.0
0.3	0.5	259.0	68.0	86.0	25.0	1.0	2.0	2.5	17.0
10.0	10.0	5.0	1226.0	51.0	27.0	21.0	149.0	2.5	9.0
15.0	84.0	5.0	17.0	118.0					
47102-150		0.5	11.9	11.0	11.0	61.0	2.5	11.0	41.0
0.5	0.5	1081.0	37.0	65.0	25.0	1.0	2.0	2.5	13.0
10.0	10.0	5.0	988.0	42.0	21.0	11.0	144.0	2.5	7.0
15.0	100.0	5.0	16.0	117.0					
47102-151		2.0	9.2	22.0	17.0	93.0	2.5	14.0	37.0
0.5	0.5	301.0	62.0	78.0	25.0	1.0	2.0	2.5	18.0
10.0	10.0	5.0	700.0	45.0	23.0	21.0	123.0	2.5	8.0
15.0	66.0	5.0	14.0	146.0					
47102-152		0.5	19.1	18.0	29.0	71.0	6.0	13.0	33.0
0.3	0.5	142.0	67.0	69.0	25.0	1.0	2.0	2.5	15.0
10.0	10.0	12.0	436.0	46.0	24.0	11.0	123.0	20.0	8.0
15.0	64.0	5.0	12.0	91.0					
47102-153		2.0	10.4	20.0	12.0	59.0	2.5	11.0	26.0
0.3	0.5	240.0	37.0	48.0	25.0	1.0	2.0	2.5	13.0
10.0	10.0	5.0	297.0	43.0	22.0	7.0	120.0	2.5	9.0
15.0	49.0	5.0	14.0	76.0					
47102-154		0.5	10.4	13.0	5.0	58.0	2.5	11.0	26.0
0.3	0.5	1406.0	44.0	49.0	25.0	1.0	2.0	2.5	12.0
10.0	10.0	5.0	722.0	60.0	30.0	10.0	70.0	2.5	6.0
15.0	50.0	5.0	15.0	299.0					
47102-155		6.0	5.0	14.0	5.0	56.0	2.5	12.0	27.0
0.3	0.5	1189.0	39.0	45.0	25.0	1.0	2.0	2.5	13.0
10.0	10.0	5.0	1924.0	51.0	26.0	9.0	95.0	2.5	6.0
15.0	62.0	5.0	13.0	242.0					
47102-156		2.0	20.5	26.0	28.0	102.0	6.0	16.0	38.0
0.3	0.5	136.0	68.0	100.0	25.0	1.0	2.0	2.5	19.0
10.0	10.0	5.0	810.0	54.0	29.0	10.0	136.0	16.0	9.0
15.0	60.0	5.0	13.0	89.0					
47102-157		19.0	9.3	51.0	20.0	86.0	21.0	22.0	59.0
0.8	1.0	209.0	55.0	98.0	25.0	1.0	2.0	2.5	16.0
10.0	10.0	11.0	5024.0	47.0	23.0	9.0	120.0	11.0	8.0
15.0	84.0	5.0	13.0	101.0					
47102-158		5.0	12.6	34.0	27.0	116.0	2.5	15.0	39.0
0.3	1.0	138.0	72.0	104.0	25.0	1.0	2.0	2.5	17.0
10.0	10.0	5.0	690.0	49.0	27.0	10.0	148.0	11.0	8.0
15.0	50.0	5.0	14.0	88.0					
47102-158B		9.0	28.0	24.0	18.0	90.0	2.5	16.0	43.0
1.3	1.0	95.0	59.0	89.0	25.0	1.0	5.6	2.5	22.0
10.0	10.0	5.0	1001.0	61.0	32.0	12.0	87.0	2.5	10.0
15.0	117.0	5.0	15.0	83.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-159A		4.0	18.1	24.0	18.0	83.0	2.5	14.0	40.0
1.2	0.5	89.0	52.0	83.0	25.0	1.0	5.4	2.5	20.0
10.0	10.0	5.0	2086.0	56.0	29.0	13.0	100.0	2.5	9.0
15.0	189.0	5.0	15.0	85.0					
47102-159B		0.5	9.8	37.0	21.0	118.0	2.5	15.0	40.0
1.1	0.5	128.0	69.0	106.0	25.0	1.0	5.1	2.5	17.0
10.0	10.0	5.0	904.0	53.0	29.0	11.0	58.0	2.5	9.0
15.0	52.0	5.0	15.0	90.0					
47102-160		1.0	36.6	32.0	19.0	89.0	2.5	18.0	34.0
1.6	0.5	98.0	44.0	107.0	25.0	1.0	6.4	2.5	21.0
10.0	10.0	5.0	9952.0	121.0	54.0	26.0	88.0	2.5	11.0
15.0	124.0	5.0	19.0	160.0					
47102-161		0.5	23.8	15.0	11.0	50.0	2.5	6.0	27.0
0.3	0.5	424.0	21.0	43.0	25.0	1.0	2.0	2.5	8.0
10.0	10.0	5.0	295.0	34.0	17.0	6.0	119.0	2.5	4.0
15.0	56.0	5.0	10.0	115.0					
47102-162		0.5	16.3	13.0	15.0	65.0	2.5	12.0	34.0
0.3	1.0	305.0	41.0	49.0	25.0	1.0	4.6	2.5	8.0
10.0	10.0	5.0	365.0	33.0	19.0	5.0	108.0	2.5	5.0
15.0	76.0	5.0	14.0	68.0					
47102-163		0.5	28.4	17.0	11.0	40.0	2.5	9.0	25.0
0.3	0.5	497.0	32.0	43.0	25.0	1.0	2.0	2.5	8.0
10.0	10.0	5.0	311.0	39.0	20.0	6.0	81.0	2.5	4.0
15.0	54.0	5.0	15.0	99.0					
47102-164		3.0	26.5	315.0	48.0	175.0	9.0	12.0	38.0
0.3	3.0	205.0	22.0	50.0	25.0	1.0	5.0	2.5	9.0
10.0	10.0	5.0	355.0	34.0	19.0	3.0	69.0	2.5	6.0
15.0	97.0	5.0	13.0	60.0					
47102-165		0.5	16.2	41.0	27.0	80.0	2.5	10.0	32.0
0.3	0.5	672.0	26.0	53.0	25.0	1.0	4.8	2.5	10.0
10.0	10.0	11.0	287.0	33.0	18.0	6.0	61.0	2.5	5.0
15.0	50.0	5.0	12.0	113.0					
47102-166		3.0	25.6	303.0	57.0	154.0	9.0	11.0	34.0
0.3	2.0	221.0	15.0	54.0	25.0	1.0	6.1	2.5	24.0
10.0	10.0	34.0	289.0	64.0	15.0	0.5	64.0	2.5	6.0
15.0	105.0	5.0	14.0	57.0					
47102-167		3.0	26.5	246.0	57.0	164.0	20.0	20.0	45.0
0.3	3.0	574.0	16.0	127.0	25.0	1.0	11.6	7.0	13.0
10.0	10.0	234.0	624.0	43.0	26.0	2.0	55.0	2.5	7.0
15.0	79.0	5.0	19.0	101.0					
47102-168		2.0	27.5	383.0	66.0	157.0	12.0	12.0	29.0
0.3	2.0	233.0	11.0	42.0	25.0	1.0	6.7	2.5	17.0
10.0	10.0	108.0	479.0	55.0	17.0	0.5	90.0	2.5	5.0
15.0	95.0	5.0	14.0	56.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-169		0.5	18.8	15.0	18.0	46.0	2.5	6.0	21.0
0.3	0.5	285.0	25.0	52.0	25.0	3.0	2.0	2.5	8.0
10.0	10.0	5.0	258.0	21.0	13.0	5.0	95.0	2.5	5.0
15.0	71.0	5.0	9.0	53.0					
47102-170		0.5	22.0	16.0	19.0	51.0	2.5	14.0	30.0
0.5	0.5	261.0	26.0	120.0	25.0	1.0	6.2	2.5	9.0
10.0	10.0	5.0	289.0	22.0	14.0	4.0	25.0	2.5	9.0
15.0	83.0	5.0	12.0	69.0					
47102-171		88.0	20.1	13.0	25.0	121.0	2.5	19.0	41.0
0.3	0.5	181.0	121.0	65.0	25.0	1.0	8.3	2.5	23.0
10.0	10.0	5.0	373.0	65.0	31.0	14.0	77.0	2.5	8.0
15.0	72.0	5.0	16.0	80.0					
47102-172		0.5	19.9	13.0	26.0	143.0	2.5	23.0	54.0
0.3	0.5	167.0	121.0	68.0	25.0	1.0	8.6	2.5	23.0
10.0	10.0	15.0	465.0	67.0	31.0	13.0	142.0	2.5	8.0
15.0	77.0	5.0	14.0	82.0					
47102-173		0.5	19.4	11.0	20.0	115.0	2.5	20.0	42.0
0.3	0.5	244.0	117.0	60.0	25.0	1.0	7.8	2.5	21.0
10.0	10.0	5.0	410.0	69.0	34.0	13.0	96.0	2.5	7.0
15.0	71.0	5.0	19.0	84.0					
47102-174		0.5	12.6	15.0	24.0	118.0	2.5	21.0	52.0
0.3	0.5	361.0	103.0	61.0	25.0	1.0	8.5	2.5	20.0
10.0	10.0	5.0	1476.0	63.0	28.0	12.0	100.0	2.5	7.0
15.0	76.0	5.0	17.0	85.0					
47102-175		0.5	20.5	17.0	24.0	110.0	2.5	19.0	50.0
0.3	0.5	324.0	87.0	66.0	25.0	1.0	7.7	2.5	18.0
10.0	10.0	5.0	1380.0	59.0	29.0	12.0	103.0	2.5	7.0
15.0	74.0	5.0	24.0	88.0					
47102-176		0.5	19.1	18.0	21.0	96.0	2.5	17.0	51.0
0.5	0.5	249.0	59.0	75.0	25.0	1.0	8.0	2.5	19.0
10.0	10.0	5.0	549.0	49.0	23.0	16.0	115.0	2.5	7.0
15.0	66.0	5.0	13.0	105.0					
47102-177		0.5	15.8	14.0	13.0	68.0	2.5	9.0	29.0
0.3	0.5	266.0	34.0	48.0	25.0	1.0	4.2	2.5	9.0
10.0	10.0	5.0	329.0	32.0	22.0	6.0	25.0	2.5	6.0
15.0	79.0	5.0	17.0	72.0					
47102-178		0.5	18.8	13.0	15.0	63.0	2.5	6.0	23.0
0.3	0.5	215.0	28.0	46.0	25.0	1.0	2.0	2.5	9.0
10.0	10.0	5.0	338.0	22.0	20.0	6.0	25.0	2.5	6.0
15.0	77.0	5.0	16.0	53.0					
47102-179		0.5	14.4	17.0	17.0	69.0	2.5	10.0	28.0
0.3	0.5	232.0	35.0	56.0	25.0	1.0	4.6	2.5	11.0
10.0	10.0	5.0	420.0	37.0	21.0	7.0	106.0	2.5	6.0
15.0	86.0	5.0	16.0	81.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-180		0.5	18.0	18.0	35.0	104.0	2.5	14.0	34.0
0.3	0.5	222.0	42.0	64.0	65.0	1.0	5.9	2.5	12.0
10.0	10.0	12.0	650.0	45.0	26.0	9.0	98.0	29.0	8.0
15.0	111.0	5.0	17.0	106.0					
47102-181		4.5	13.1	19.0	41.0	117.0	2.5	17.0	37.0
0.3	0.5	214.0	40.0	68.0	57.0	1.0	6.3	2.5	14.0
10.0	10.0	16.0	736.0	47.0	26.0	9.0	113.0	24.0	7.0
15.0	113.0	5.0	16.0	95.0					
47102-182		0.5	25.5	12.0	18.0	93.0	2.5	12.0	32.0
0.3	0.5	265.0	42.0	58.0	25.0	1.0	5.1	2.5	11.0
10.0	10.0	5.0	460.0	43.0	23.0	8.0	91.0	2.5	6.0
15.0	97.0	5.0	15.0	99.0					
47102-183		3.0	18.2	16.0	52.0	111.0	12.0	16.0	43.0
0.3	0.5	262.0	47.0	68.0	126.0	1.0	6.3	2.5	13.0
25.0	10.0	20.0	557.0	53.0	25.0	9.0	72.0	47.0	8.0
31.0	111.0	5.0	17.0	107.0					
47102-184		1.0	17.0	17.0	228.0	108.0	2.5	19.0	49.0
0.3	0.5	261.0	47.0	69.0	25.0	1.0	6.8	2.5	14.0
10.0	10.0	5.0	558.0	52.0	25.0	9.0	124.0	2.5	8.0
15.0	104.0	5.0	17.0	103.0					
47102-185		0.5	15.0	16.0	27.0	79.0	2.5	11.0	39.0
0.3	0.5	242.0	28.0	69.0	25.0	1.0	5.8	2.5	11.0
10.0	10.0	5.0	261.0	51.0	25.0	9.0	151.0	15.0	8.0
15.0	87.0	5.0	15.0	104.0					
47102-186		0.5	16.3	17.0	15.0	38.0	2.5	4.0	18.0
0.3	0.5	231.0	23.0	33.0	25.0	4.0	2.0	2.5	6.0
10.0	10.0	5.0	200.0	17.0	23.0	4.0	77.0	2.5	7.0
15.0	54.0	5.0	27.0	40.0					
47102-187		1.0	16.0	34.0	63.0	67.0	2.5	14.0	31.0
0.3	1.0	192.0	35.0	58.0	25.0	1.0	5.4	2.5	9.0
10.0	10.0	5.0	301.0	33.0	22.0	6.0	115.0	6.0	8.0
15.0	55.0	5.0	22.0	57.0					
47102-188		1.0	9.7	39.0	40.0	123.0	2.5	29.0	61.0
0.3	0.5	199.0	31.0	78.0	25.0	1.0	10.0	2.5	12.0
10.0	10.0	5.0	602.0	38.0	22.0	7.0	160.0	9.0	8.0
15.0	64.0	5.0	16.0	63.0					
47102-189		4.5	18.9	15.0	13.0	37.0	2.5	9.0	22.0
0.3	0.5	180.0	26.0	58.0	25.0	1.0	4.5	2.5	10.0
10.0	10.0	5.0	368.0	31.0	20.0	6.0	106.0	2.5	7.0
15.0	63.0	5.0	16.0	51.0					
47102-190		0.5	26.5	17.0	22.0	51.0	2.5	9.0	27.0
0.3	0.5	169.0	26.0	58.0	25.0	1.0	4.5	2.5	10.0
10.0	10.0	5.0	357.0	33.0	19.0	6.0	98.0	6.0	7.0
15.0	63.0	5.0	16.0	53.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-191		0.5	19.7	17.0	28.0	55.0	8.0	11.0	25.0
0.8	0.5	204.0	32.0	62.0	25.0	3.0	5.7	2.5	10.0
10.0	10.0	5.0	290.0	17.0	8.0	6.0	25.0	2.5	6.0
15.0	58.0	5.0	9.0	45.0					
47102-192		0.5	27.8	13.0	18.0	44.0	5.0	7.0	20.0
0.7	0.5	185.0	22.0	46.0	25.0	7.0	4.3	2.5	9.0
10.0	10.0	5.0	237.0	20.0	11.0	5.0	25.0	2.5	5.0
15.0	49.0	5.0	9.0	38.0					
47102-193		3.0	25.3	48.0	55.0	96.0	8.0	40.0	84.0
0.9	3.0	155.0	24.0	67.0	25.0	1.0	14.1	2.5	10.0
10.0	10.0	5.0	409.0	35.0	11.0	6.0	25.0	2.5	7.0
15.0	55.0	5.0	14.0	50.0					
47102-194		0.5	16.6	17.0	21.0	56.0	6.0	9.0	21.0
0.8	0.5	236.0	25.0	61.0	25.0	1.0	5.2	2.5	9.0
10.0	10.0	5.0	358.0	18.0	11.0	6.0	25.0	2.5	5.0
15.0	55.0	5.0	9.0	50.0					
47102-195		0.5	17.9	26.0	34.0	138.0	8.0	16.0	57.0
0.9	0.5	431.0	45.0	56.0	25.0	1.0	7.8	2.5	12.0
10.0	10.0	5.0	461.0	64.0	20.0	9.0	65.0	2.5	6.0
15.0	60.0	5.0	17.0	95.0					
47102-196		0.5	18.1	27.0	28.0	87.0	2.5	13.0	38.0
0.3	0.5	386.0	38.0	48.0	25.0	1.0	2.0	2.5	7.0
10.0	10.0	5.0	383.0	56.0	23.0	6.0	25.0	2.5	6.0
15.0	59.0	5.0	16.0	92.0					
47102-197		0.5	31.0	43.0	50.0	78.0	2.5	12.0	32.0
0.3	0.5	148.0	26.0	48.0	25.0	1.0	7.3	2.5	7.0
10.0	10.0	5.0	425.0	8.0	5.0	6.0	60.0	2.5	3.0
15.0	39.0	5.0	6.0	60.0					
47102-198		0.5	15.3	149.0	42.0	106.0	11.0	15.0	37.0
1.0	0.5	455.0	19.0	66.0	25.0	1.0	8.5	2.5	11.0
10.0	10.0	59.0	519.0	30.0	18.0	9.0	25.0	2.5	5.0
15.0	52.0	5.0	13.0	117.0					
47102-199		0.5	17.8	20.0	24.0	67.0	6.0	11.0	34.0
0.3	0.5	225.0	32.0	49.0	25.0	1.0	5.0	2.5	9.0
10.0	10.0	5.0	385.0	25.0	13.0	7.0	25.0	2.5	4.0
15.0	48.0	5.0	11.0	82.0					
47102-200		0.5	20.0	16.0	23.0	49.0	2.5	16.0	35.0
0.3	0.5	259.0	36.0	63.0	25.0	1.0	5.5	2.5	10.0
10.0	10.0	5.0	404.0	31.0	15.0	7.0	57.0	2.5	4.0
15.0	55.0	5.0	10.0	100.0					
47102-206		1.0	52.7	36.0	32.0	73.0	2.5	11.0	39.0
0.3	0.5	166.0	21.0	56.0	25.0	1.0	5.0	2.5	13.0
10.0	10.0	5.0	283.0	41.0	21.0	9.0	124.0	2.5	6.0
15.0	58.0	5.0	14.0	105.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-207		2.0	63.3	40.0	35.0	85.0	2.5	13.0	46.0
0.3	0.5	91.0	24.0	57.0	25.0	1.0	6.2	2.5	15.0
10.0	10.0	5.0	1923.0	40.0	21.0	8.0	164.0	2.5	7.0
15.0	118.0	5.0	15.0	65.0					
47102-208		3.0	40.4	44.0	41.0	146.0	2.5	27.0	61.0
0.5	0.5	117.0	53.0	94.0	25.0	1.0	8.2	2.5	22.0
10.0	10.0	5.0	734.0	71.0	32.0	14.0	198.0	2.5	11.0
15.0	58.0	5.0	18.0	115.0					
47102-209		1.0	46.9	28.0	38.0	81.0	2.5	13.0	44.0
0.5	0.5	129.0	24.0	61.0	25.0	1.0	5.6	2.5	16.0
10.0	10.0	5.0	488.0	41.0	22.0	9.0	110.0	2.5	7.0
15.0	74.0	5.0	14.0	78.0					
47102-210		2.0	48.1	35.0	33.0	104.0	2.5	20.0	43.0
0.5	0.5	115.0	39.0	73.0	25.0	1.0	7.9	2.5	22.0
10.0	10.0	5.0	527.0	62.0	27.0	11.0	134.0	2.5	7.0
15.0	65.0	5.0	12.0	87.0					
47102-211		3.0	50.1	30.0	32.0	68.0	2.5	12.0	37.0
0.3	0.5	90.0	27.0	61.0	25.0	1.0	6.3	2.5	17.0
10.0	10.0	5.0	437.0	44.0	24.0	8.0	73.0	2.5	8.0
15.0	113.0	5.0	15.0	87.0					
47102-212		2.0	49.8	29.0	42.0	78.0	2.5	14.0	42.0
0.6	0.5	92.0	25.0	58.0	25.0	1.0	6.4	2.5	17.0
10.0	10.0	5.0	766.0	40.0	21.0	9.0	156.0	2.5	7.0
15.0	72.0	5.0	13.0	78.0					
47102-213		10.0	44.5	50.0	28.0	91.0	6.0	15.0	53.0
0.6	1.0	97.0	66.0	90.0	25.0	1.0	13.3	2.5	19.0
10.0	10.0	5.0	1434.0	42.0	23.0	10.0	115.0	2.5	8.0
15.0	115.0	5.0	16.0	73.0					
47102-214		2.0	57.2	24.0	20.0	64.0	2.5	12.0	36.0
0.3	0.5	86.0	34.0	72.0	25.0	1.0	8.0	2.5	18.0
10.0	10.0	5.0	487.0	43.0	23.0	13.0	115.0	2.5	8.0
15.0	98.0	5.0	15.0	92.0					
47102-215		3.0	18.2	28.0	31.0	83.0	2.5	16.0	40.0
0.5	0.5	208.0	47.0	55.0	25.0	1.0	2.0	2.5	11.0
10.0	10.0	5.0	1415.0	51.0	25.0	8.0	89.0	2.5	7.0
15.0	56.0	5.0	13.0	82.0					
47102-216		3.0	36.9	33.0	37.0	103.0	2.5	21.0	49.0
0.7	0.5	100.0	36.0	68.0	25.0	1.0	8.3	2.5	20.0
10.0	10.0	5.0	1323.0	54.0	25.0	11.0	192.0	2.5	8.0
15.0	49.0	5.0	15.0	92.0					
47102-217		4.0	37.0	40.0	29.0	93.0	2.5	22.0	55.0
0.3	0.5	124.0	37.0	80.0	25.0	1.0	8.1	2.5	19.0
10.0	10.0	5.0	1372.0	56.0	26.0	16.0	83.0	2.5	8.0
15.0	59.0	5.0	17.0	99.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-218		17.0	46.8	36.0	25.0	62.0	2.5	13.0	31.0
0.3	0.5	245.0	26.0	67.0	25.0	1.0	9.2	2.5	16.0
10.0	10.0	15.0	751.0	48.0	22.0	18.0	125.0	2.5	7.0
15.0	172.0	5.0	20.0	179.0					
47102-219		109.0	67.0	30.0	16.0	103.0	2.5	12.0	22.0
0.3	2.0	202.0	16.0	310.0	25.0	1.0	33.1	15.0	30.0
10.0	10.0	18.0	967.0	143.0	68.0	238.0	129.0	2.5	11.0
32.0	62.0	26.0	86.0	998.0					
47102-220		2.0	33.9	21.0	22.0	123.0	2.5	21.0	51.0
0.3	0.5	136.0	76.0	91.0	25.0	1.0	9.5	2.5	22.0
10.0	10.0	5.0	493.0	68.0	30.0	12.0	175.0	2.5	7.0
15.0	59.0	5.0	13.0	91.0					
47102-221		2.0	44.6	27.0	21.0	105.0	2.5	15.0	45.0
0.3	0.5	106.0	63.0	79.0	25.0	1.0	7.8	2.5	21.0
10.0	10.0	5.0	669.0	46.0	25.0	10.0	137.0	2.5	7.0
15.0	54.0	5.0	10.0	78.0					
47102-222		2.0	39.4	26.0	18.0	152.0	2.5	17.0	69.0
0.3	0.5	108.0	51.0	82.0	25.0	1.0	8.6	2.5	21.0
10.0	10.0	5.0	539.0	45.0	22.0	11.0	115.0	2.5	7.0
15.0	56.0	5.0	11.0	81.0					
47102-223		3.0	31.6	30.0	18.0	160.0	2.5	14.0	43.0
0.6	1.0	165.0	61.0	79.0	25.0	1.0	9.4	2.5	22.0
10.0	10.0	5.0	1108.0	40.0	20.0	12.0	120.0	2.5	7.0
15.0	69.0	5.0	11.0	95.0					
47102-224		2.0	41.8	14.0	12.0	82.0	2.5	10.0	31.0
0.3	0.5	132.0	54.0	62.0	25.0	1.0	6.6	2.5	17.0
10.0	10.0	5.0	305.0	38.0	20.0	10.0	25.0	2.5	6.0
15.0	52.0	5.0	9.0	75.0					
47102-225		2.0	45.3	31.0	15.0	90.0	2.5	13.0	33.0
0.6	0.5	158.0	54.0	69.0	25.0	1.0	8.4	2.5	21.0
10.0	10.0	5.0	702.0	47.0	23.0	11.0	101.0	2.5	7.0
15.0	59.0	5.0	13.0	83.0					
47102-226		3.0	38.0	23.0	16.0	121.0	2.5	12.0	42.0
0.5	0.5	128.0	59.0	69.0	25.0	1.0	8.0	2.5	20.0
10.0	10.0	5.0	445.0	47.0	21.0	10.0	116.0	2.5	6.0
15.0	54.0	5.0	16.0	119.0					
47102-227		1.0	42.2	14.0	15.0	107.0	2.5	11.0	33.0
0.3	0.5	101.0	61.0	59.0	25.0	1.0	8.1	2.5	18.0
10.0	10.0	5.0	345.0	44.0	21.0	9.0	132.0	2.5	5.0
15.0	50.0	5.0	10.0	67.0					
47102-228		2.0	41.4	22.0	18.0	99.0	2.5	14.0	37.0
0.3	0.5	107.0	66.0	66.0	25.0	1.0	8.1	2.5	18.0
10.0	10.0	5.0	619.0	47.0	21.0	10.0	88.0	2.5	6.0
15.0	53.0	5.0	15.0	76.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-229		2.0	40.5	17.0	11.0	103.0	2.5	10.0	36.0
0.3	0.5	159.0	54.0	59.0	25.0	1.0	7.0	2.5	18.0
10.0	10.0	5.0	547.0	43.0	20.0	9.0	110.0	2.5	5.0
15.0	46.0	5.0	11.0	92.0					
47102-230		4.0	40.5	40.0	40.0	97.0	2.5	33.0	66.0
0.3	0.5	182.0	31.0	274.0	25.0	1.0	14.6	9.0	18.0
10.0	10.0	5.0	591.0	32.0	19.0	12.0	61.0	2.5	24.0
15.0	116.0	5.0	23.0	129.0					
47102-231		2.0	29.8	37.0	34.0	199.0	2.5	33.0	62.0
0.6	0.5	132.0	48.0	175.0	25.0	1.0	12.5	2.5	24.0
10.0	10.0	5.0	1339.0	52.0	25.0	13.0	176.0	2.5	15.0
15.0	139.0	5.0	20.0	125.0					
47102-232		2.0	38.4	10.0	5.0	28.0	2.5	10.0	30.0
0.3	0.5	194.0	25.0	60.0	25.0	1.0	4.9	2.5	11.0
10.0	10.0	5.0	143.0	30.0	15.0	8.0	72.0	2.5	6.0
15.0	37.0	5.0	11.0	96.0					
47102-233		2.0	41.1	12.0	13.0	49.0	2.5	13.0	33.0
0.5	0.5	503.0	23.0	89.0	25.0	1.0	6.6	2.5	12.0
10.0	10.0	5.0	129.0	30.0	16.0	9.0	104.0	2.5	7.0
15.0	42.0	5.0	12.0	110.0					
47102-234		2.0	37.8	19.0	19.0	77.0	2.5	17.0	57.0
0.5	0.5	136.0	34.0	93.0	25.0	1.0	6.8	2.5	18.0
10.0	10.0	5.0	286.0	38.0	26.0	10.0	73.0	2.5	10.0
15.0	120.0	5.0	19.0	93.0					
47102-235		2.0	52.5	29.0	21.0	226.0	2.5	66.0	83.0
4.9	0.5	438.0	18.0	966.0	25.0	1.0	29.3	2.5	31.0
10.0	10.0	12.0	106.0	28.0	13.0	25.0	102.0	2.5	59.0
41.0	212.0	13.0	24.0	204.0					
47102-236		2.0	25.0	23.0	18.0	66.0	2.5	17.0	48.0
0.8	0.5	126.0	40.0	123.0	25.0	1.0	8.1	2.5	19.0
10.0	10.0	5.0	435.0	40.0	25.0	14.0	84.0	2.5	11.0
15.0	180.0	5.0	22.0	113.0					
47102-237		2.0	39.2	31.0	20.0	81.0	2.5	28.0	69.0
0.6	0.5	122.0	45.0	183.0	25.0	1.0	11.1	2.5	21.0
10.0	10.0	5.0	482.0	45.0	25.0	13.0	124.0	2.5	16.0
15.0	228.0	5.0	24.0	128.0					
47102-238		2.0	30.3	26.0	21.0	70.0	2.5	24.0	62.0
0.6	0.5	138.0	39.0	120.0	25.0	1.0	10.2	2.5	22.0
10.0	10.0	5.0	385.0	57.0	26.0	20.0	163.0	2.5	10.0
15.0	87.0	5.0	19.0	142.0					
47102-239		1.0	20.4	19.0	27.0	112.0	2.5	28.0	53.0
0.5	0.5	123.0	45.0	104.0	25.0	1.0	10.0	2.5	19.0
10.0	10.0	5.0	436.0	58.0	29.0	14.0	155.0	2.5	10.0
15.0	121.0	5.0	23.0	120.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-240		1.0	46.6	30.0	19.0	184.0	2.5	56.0	73.0
1.8	2.0	386.0	21.0	576.0	25.0	1.0	27.9	2.5	25.0
10.0	10.0	5.0	111.0	30.0	16.0	2.0	120.0	2.5	68.0
58.0	161.0	5.0	28.0	233.0					
47102-241		1.0	27.7	39.0	17.0	92.0	2.5	27.0	65.0
0.3	1.0	221.0	33.0	338.0	25.0	1.0	15.5	28.0	13.0
10.0	10.0	5.0	374.0	29.0	18.0	8.0	164.0	2.5	47.0
15.0	311.0	5.0	25.0	181.0					
47102-242		0.5	31.3	21.0	17.0	106.0	2.5	25.0	57.0
0.3	0.5	291.0	45.0	286.0	25.0	1.0	15.3	19.0	13.0
10.0	10.0	5.0	260.0	28.0	19.0	0.5	105.0	2.5	59.0
15.0	226.0	5.0	28.0	166.0					
47102-243		2.0	40.4	18.0	17.0	94.0	2.5	20.0	43.0
0.3	1.0	175.0	36.0	278.0	25.0	1.0	11.5	19.0	14.0
10.0	10.0	5.0	408.0	33.0	21.0	7.0	97.0	2.5	32.0
15.0	270.0	5.0	22.0	165.0					
47102-244		2.0	26.4	34.0	31.0	96.0	2.5	32.0	54.0
0.7	0.5	145.0	31.0	142.0	25.0	1.0	13.4	2.5	20.0
10.0	10.0	5.0	444.0	66.0	33.0	24.0	119.0	2.5	15.0
15.0	190.0	5.0	27.0	182.0					
47102-245		0.5	23.0	17.0	13.0	87.0	2.5	22.0	29.0
0.3	0.5	157.0	31.0	176.0	25.0	1.0	9.8	6.0	20.0
10.0	10.0	5.0	10812.0	51.0	27.0	26.0	123.0	2.5	17.0
15.0	338.0	5.0	25.0	172.0					
47102-246		1.0	30.7	17.0	15.0	82.0	2.5	18.0	36.0
0.3	0.5	159.0	35.0	185.0	25.0	1.0	8.8	2.5	17.0
10.0	10.0	5.0	504.0	32.0	19.0	12.0	101.0	2.5	21.0
15.0	259.0	5.0	18.0	118.0					
47102-247		2.0	33.9	12.0	13.0	120.0	2.5	16.0	30.0
0.3	0.5	140.0	26.0	282.0	25.0	1.0	10.9	14.0	13.0
10.0	10.0	5.0	733.0	38.0	21.0	16.0	102.0	2.5	51.0
15.0	290.0	5.0	35.0	242.0					
47102-248		0.5	22.4	22.0	31.0	150.0	2.5	26.0	90.0
1.1	0.5	113.0	105.0	97.0	25.0	1.0	5.8	2.5	19.0
10.0	10.0	5.0	407.0	57.0	32.0	10.0	25.0	2.5	13.0
15.0	64.0	5.0	21.0	109.0					
47102-249		0.5	34.5	23.0	25.0	82.0	2.5	23.0	60.0
1.1	0.5	130.0	62.0	98.0	25.0	1.0	5.4	2.5	19.0
10.0	10.0	5.0	391.0	57.0	30.0	8.0	142.0	2.5	14.0
15.0	66.0	5.0	19.0	123.0					
47102-250		2.0	36.3	24.0	30.0	133.0	2.5	21.0	83.0
0.9	0.5	135.0	66.0	85.0	25.0	1.0	5.4	2.5	14.0
10.0	10.0	5.0	333.0	58.0	30.0	9.0	25.0	2.5	12.0
15.0	77.0	5.0	25.0	110.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-251		0.5	23.7	25.0	29.0	105.0	2.5	19.0	74.0
1.0	1.0	182.0	61.0	84.0	25.0	1.0	5.3	2.5	15.0
10.0	10.0	5.0	329.0	54.0	29.0	8.0	50.0	2.5	12.0
15.0	59.0	5.0	19.0	138.0					
47102-252		2.0	33.8	24.0	23.0	124.0	2.5	17.0	56.0
1.0	0.5	121.0	38.0	72.0	25.0	1.0	4.5	2.5	14.0
10.0	10.0	5.0	1119.0	49.0	23.0	12.0	25.0	2.5	9.0
15.0	85.0	5.0	17.0	114.0					
47102-253		1.0	40.3	137.0	31.0	112.0	2.5	23.0	67.0
1.1	0.5	174.0	66.0	89.0	25.0	1.0	5.4	2.5	14.0
10.0	10.0	5.0	4123.0	46.0	25.0	13.0	25.0	2.5	11.0
15.0	104.0	5.0	20.0	146.0					
47102-254		1.0	35.4	26.0	29.0	112.0	2.5	17.0	56.0
0.9	0.5	121.0	41.0	74.0	25.0	1.0	4.6	2.5	13.0
10.0	10.0	5.0	371.0	50.0	26.0	9.0	25.0	2.5	10.0
15.0	69.0	5.0	17.0	105.0					
47102-255		0.5	22.9	27.0	26.0	102.0	2.5	20.0	61.0
0.8	0.5	234.0	53.0	82.0	25.0	1.0	5.0	2.5	13.0
10.0	10.0	5.0	533.0	59.0	30.0	12.0	25.0	2.5	11.0
15.0	64.0	5.0	19.0	127.0					
47102-256		1.0	35.5	43.0	33.0	84.0	2.5	23.0	47.0
0.7	0.5	94.0	83.0	73.0	25.0	1.0	5.9	2.5	23.0
10.0	10.0	5.0	516.0	75.0	41.0	10.0	148.0	2.5	12.0
15.0	193.0	5.0	15.0	87.0					
47102-257		2.0	33.5	32.0	54.0	95.0	2.5	22.0	56.0
1.2	0.5	178.0	36.0	71.0	25.0	1.0	6.3	2.5	14.0
10.0	10.0	5.0	491.0	51.0	27.0	14.0	25.0	2.5	9.0
15.0	111.0	5.0	18.0	164.0					
47102-258		5.0	31.8	41.0	21.0	103.0	2.5	18.0	50.0
1.2	0.5	190.0	51.0	56.0	25.0	1.0	6.0	2.5	15.0
10.0	10.0	5.0	2369.0	46.0	22.0	9.0	53.0	2.5	8.0
15.0	127.0	5.0	17.0	90.0					
47102-259		3.0	31.6	38.0	20.0	84.0	2.5	13.0	48.0
0.9	0.5	130.0	61.0	71.0	25.0	1.0	5.0	2.5	17.0
10.0	10.0	5.0	1603.0	50.0	28.0	10.0	123.0	2.5	10.0
15.0	83.0	5.0	14.0	93.0					
47102-260		3.0	25.4	41.0	24.0	94.0	2.5	16.0	52.0
1.4	1.0	232.0	52.0	77.0	25.0	1.0	6.0	2.5	21.0
10.0	10.0	5.0	2325.0	57.0	29.0	12.0	170.0	2.5	11.0
15.0	152.0	5.0	17.0	107.0					
47102-261		3.0	19.3	28.0	22.0	118.0	2.5	16.0	42.0
1.2	0.5	216.0	55.0	62.0	25.0	1.0	5.2	2.5	17.0
10.0	10.0	5.0	1717.0	51.0	26.0	10.0	62.0	2.5	9.0
15.0	93.0	5.0	15.0	91.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-262		2.0	34.5	30.0	36.0	111.0	2.5	17.0	53.0
1.0	0.5	109.0	79.0	78.0	25.0	1.0	5.4	2.5	19.0
10.0	10.0	5.0	808.0	67.0	35.0	11.0	157.0	16.0	10.0
15.0	69.0	5.0	15.0	86.0					
47102-263		0.5	24.9	28.0	29.0	88.0	2.5	16.0	50.0
1.3	0.5	115.0	63.0	80.0	25.0	1.0	5.3	2.5	20.0
10.0	10.0	5.0	775.0	58.0	30.0	11.0	114.0	11.0	11.0
15.0	204.0	5.0	16.0	83.0					
47102-264		1.0	35.1	11.0	15.0	62.0	2.5	12.0	42.0
1.2	0.5	1629.0	22.0	52.0	25.0	1.0	2.0	2.5	12.0
10.0	10.0	5.0	299.0	75.0	35.0	10.0	70.0	2.5	6.0
15.0	60.0	5.0	19.0	327.0					
47102-265		0.5	23.2	17.0	28.0	50.0	2.5	14.0	47.0
1.0	0.5	789.0	19.0	47.0	25.0	1.0	2.0	2.5	10.0
10.0	10.0	5.0	420.0	66.0	31.0	8.0	97.0	2.5	6.0
15.0	64.0	5.0	17.0	206.0					
47102-266		0.5	26.9	20.0	21.0	45.0	2.5	7.0	28.0
0.9	0.5	218.0	24.0	32.0	25.0	2.0	2.0	2.5	10.0
10.0	10.0	5.0	614.0	36.0	18.0	6.0	25.0	2.5	4.0
15.0	80.0	5.0	12.0	90.0					
47102-267		4.0	24.2	51.0	63.0	87.0	2.5	33.0	105.0
1.0	1.0	205.0	21.0	31.0	54.0	1.0	7.8	2.5	6.0
10.0	10.0	5.0	3833.0	28.0	13.0	4.0	25.0	2.5	4.0
15.0	80.0	5.0	12.0	49.0					
47102-268		0.5	24.9	22.0	29.0	65.0	2.5	15.0	41.0
0.7	0.5	119.0	31.0	43.0	25.0	1.0	2.0	2.5	9.0
10.0	10.0	5.0	720.0	49.0	21.0	6.0	25.0	2.5	6.0
15.0	70.0	5.0	16.0	61.0					
47102-269		0.5	22.6	10.0	12.0	64.0	2.5	6.0	24.0
0.6	0.5	193.0	41.0	29.0	25.0	1.0	2.0	2.5	6.0
10.0	10.0	5.0	260.0	32.0	17.0	5.0	25.0	2.5	4.0
15.0	42.0	5.0	11.0	66.0					
47102-270		1.0	23.6	31.0	36.0	63.0	2.5	28.0	85.0
0.8	0.5	662.0	20.0	33.0	25.0	5.0	5.4	2.5	6.0
10.0	10.0	5.0	6069.0	38.0	18.0	5.0	25.0	2.5	4.0
15.0	95.0	5.0	11.0	103.0					
47102-271		2.0	23.8	39.0	28.0	126.0	2.5	19.0	89.0
1.1	0.5	154.0	57.0	110.0	25.0	1.0	6.3	2.5	19.0
10.0	10.0	5.0	1024.0	149.0	57.0	12.0	74.0	2.5	13.0
15.0	67.0	5.0	16.0	90.0					
47102-272		4.0	21.6	63.0	33.0	136.0	2.5	24.0	67.0
1.3	0.5	175.0	54.0	80.0	25.0	1.0	6.6	2.5	21.0
10.0	10.0	137.0	3235.0	60.0	31.0	11.0	141.0	2.5	11.0
15.0	76.0	5.0	16.0	82.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-273		2.0	18.0	23.0	28.0	67.0	2.5	10.0	42.0
0.8	0.5	252.0	24.0	40.0	25.0	1.0	2.0	2.5	9.0
10.0	10.0	5.0	359.0	36.0	18.0	6.0	69.0	2.5	5.0
15.0	69.0	5.0	14.0	85.0					
47102-274		2.0	24.3	21.0	23.0	72.0	2.5	9.0	34.0
0.6	0.5	201.0	25.0	42.0	25.0	1.0	2.0	2.5	8.0
10.0	10.0	5.0	316.0	31.0	16.0	6.0	25.0	2.5	5.0
15.0	67.0	5.0	11.0	84.0					
47102-275		2.0	18.5	16.0	23.0	51.0	2.5	9.0	37.0
0.7	0.5	229.0	21.0	45.0	25.0	1.0	2.0	2.5	10.0
10.0	10.0	5.0	248.0	30.0	18.0	6.0	56.0	2.5	5.0
15.0	68.0	5.0	12.0	85.0					
47102-276		2.0	22.0	18.0	21.0	60.0	2.5	9.0	35.0
0.6	0.5	410.0	25.0	41.0	25.0	7.0	2.0	2.5	8.0
10.0	10.0	5.0	260.0	41.0	21.0	6.0	25.0	2.5	5.0
15.0	60.0	5.0	13.0	97.0					
47102-277		5.0	22.4	23.0	28.0	100.0	2.5	12.0	49.0
0.9	0.5	151.0	46.0	46.0	25.0	3.0	2.0	2.5	9.0
10.0	10.0	5.0	699.0	33.0	20.0	6.0	25.0	2.5	6.0
15.0	68.0	5.0	15.0	57.0					
47102-278		4.0	19.0	52.0	58.0	93.0	2.5	26.0	101.0
0.9	0.5	325.0	24.0	46.0	25.0	1.0	6.9	2.5	9.0
10.0	10.0	5.0	787.0	35.0	18.0	6.0	25.0	2.5	6.0
15.0	68.0	5.0	16.0	82.0					
47102-279		3.0	17.5	42.0	42.0	67.0	2.5	18.0	75.0
0.9	0.5	207.0	19.0	31.0	25.0	10.0	5.5	2.5	9.0
10.0	10.0	5.0	2619.0	27.0	15.0	4.0	25.0	2.5	4.0
15.0	136.0	5.0	13.0	43.0					
47102-280		2.0	19.0	53.0	60.0	92.0	2.5	29.0	106.0
1.2	1.0	193.0	25.0	42.0	25.0	1.0	7.3	2.5	11.0
10.0	10.0	5.0	1889.0	40.0	19.0	6.0	55.0	2.5	6.0
15.0	112.0	5.0	16.0	71.0					
47102-281		3.0	18.1	30.0	19.0	101.0	2.5	15.0	29.0
1.4	0.5	155.0	44.0	111.0	25.0	1.0	8.2	2.5	20.0
10.0	10.0	11.0	1296.0	93.0	47.0	83.0	25.0	2.5	11.0
32.0	114.0	11.0	43.0	458.0					
47102-282		0.5	21.1	20.0	26.0	108.0	2.5	17.0	38.0
1.3	0.5	131.0	68.0	76.0	25.0	1.0	6.4	2.5	23.0
10.0	10.0	5.0	412.0	81.0	42.0	31.0	25.0	2.5	12.0
15.0	113.0	5.0	22.0	120.0					
47102-283		0.5	16.6	19.0	27.0	108.0	2.5	10.0	20.0
1.4	0.5	148.0	35.0	74.0	25.0	1.0	6.7	2.5	19.0
10.0	10.0	11.0	438.0	101.0	56.0	59.0	58.0	2.5	11.0
15.0	176.0	5.0	41.0	241.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-284		0.5	25.2	14.0	15.0	93.0	2.5	10.0	17.0
0.7	0.5	106.0	31.0	187.0	25.0	1.0	10.1	2.5	18.0
10.0	10.0	5.0	631.0	122.0	62.0	107.0	25.0	2.5	12.0
15.0	194.0	5.0	64.0	758.0					
47102-285		0.5	18.9	54.0	13.0	80.0	2.5	13.0	29.0
1.0	0.5	137.0	30.0	168.0	25.0	1.0	9.2	5.0	19.0
10.0	10.0	5.0	354.0	109.0	53.0	104.0	25.0	2.5	13.0
15.0	152.0	11.0	61.0	592.0					
47102-286		0.5	21.2	19.0	17.0	78.0	2.5	10.0	16.0
1.1	1.0	129.0	29.0	87.0	25.0	1.0	7.6	2.5	17.0
10.0	10.0	5.0	725.0	107.0	53.0	76.0	68.0	2.5	8.0
15.0	143.0	15.0	54.0	369.0					
47102-287		0.5	14.9	11.0	12.0	72.0	2.5	8.0	16.0
1.3	0.5	176.0	31.0	81.0	25.0	1.0	7.1	2.5	18.0
10.0	10.0	5.0	377.0	74.0	38.0	72.0	61.0	2.5	9.0
15.0	158.0	5.0	39.0	454.0					
47102-288		0.5	20.0	13.0	18.0	77.0	2.5	10.0	22.0
1.3	0.5	138.0	38.0	65.0	25.0	1.0	5.6	2.5	19.0
10.0	10.0	5.0	416.0	61.0	31.0	41.0	25.0	2.5	8.0
15.0	128.0	5.0	23.0	187.0					
47102-289		3.0	16.3	25.0	23.0	98.0	2.5	16.0	30.0
1.3	0.5	174.0	39.0	151.0	25.0	1.0	10.1	2.5	23.0
10.0	10.0	17.0	546.0	121.0	58.0	76.0	80.0	2.5	12.0
38.0	131.0	11.0	54.0	392.0					
47102-290		7.0	21.4	19.0	19.0	86.0	2.5	15.0	23.0
1.3	0.5	135.0	33.0	86.0	25.0	1.0	8.1	2.5	18.0
10.0	10.0	14.0	1395.0	71.0	35.0	64.0	25.0	2.5	9.0
15.0	137.0	5.0	38.0	281.0					
47102-291		0.5	12.8	15.0	18.0	72.0	2.5	10.0	31.0
0.3	0.5	314.0	40.0	53.0	25.0	1.0	5.0	2.5	9.0
10.0	10.0	5.0	308.0	35.0	19.0	7.0	25.0	2.5	4.0
15.0	57.0	5.0	11.0	83.0					
47102-292		0.5	16.1	18.0	18.0	74.0	6.0	11.0	41.0
0.6	0.5	257.0	48.0	59.0	25.0	1.0	6.3	2.5	10.0
10.0	10.0	5.0	248.0	30.0	18.0	8.0	89.0	2.5	5.0
15.0	61.0	5.0	13.0	94.0					
47102-293		0.5	16.7	12.0	15.0	57.0	2.5	13.0	35.0
0.3	0.5	237.0	44.0	57.0	25.0	1.0	5.8	2.5	10.0
10.0	10.0	5.0	308.0	30.0	15.0	8.0	25.0	2.5	4.0
15.0	52.0	5.0	11.0	102.0					
47102-294		0.5	18.4	10.0	13.0	59.0	2.5	9.0	26.0
0.3	0.5	257.0	39.0	50.0	25.0	1.0	4.6	2.5	9.0
10.0	10.0	5.0	273.0	27.0	15.0	8.0	25.0	2.5	4.0
15.0	52.0	5.0	9.0	116.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-295		0.5	19.4	15.0	21.0	75.0	5.0	14.0	37.0
0.3	0.5	218.0	50.0	69.0	25.0	1.0	6.7	2.5	12.0
10.0	10.0	5.0	358.0	22.0	13.0	8.0	69.0	2.5	5.0
15.0	56.0	5.0	10.0	102.0					
47102-296		0.5	19.0	20.0	12.0	74.0	2.5	8.0	49.0
0.3	2.0	444.0	17.0	122.0	25.0	1.0	13.9	16.0	2.5
10.0	10.0	5.0	891.0	16.5	16.0	2.5	51.0	2.5	12.0
15.0	80.0	5.0	15.0	167.0					
47102-297		3.0	12.1	15.0	22.0	68.0	7.0	12.0	27.0
0.6	0.5	315.0	29.0	76.0	25.0	1.0	5.7	2.5	9.0
10.0	10.0	5.0	540.0	15.0	13.0	8.0	25.0	2.5	5.0
15.0	79.0	5.0	10.0	83.0					
47102-298		0.5	16.3	19.0	19.0	136.0	8.0	21.5	70.0
2.8	0.5	437.0	15.0	310.5	25.0	1.0	26.7	2.5	6.5
10.0	10.0	15.0	278.0	20.5	13.0	10.0	25.0	2.5	17.0
38.0	73.0	5.0	20.0	218.0					
47102-299		0.5	21.0	11.0	5.0	49.0	6.0	8.0	20.0
0.3	0.5	229.0	26.0	32.0	25.0	1.0	4.5	2.5	10.0
10.0	10.0	5.0	743.0	19.0	11.0	5.0	25.0	2.5	2.0
15.0	30.0	5.0	6.0	69.0					
47102-300		2.0	20.7	27.0	13.0	99.0	8.0	12.0	34.0
0.6	0.5	344.0	35.0	45.0	25.0	1.0	7.7	2.5	11.0
10.0	10.0	5.0	5125.0	14.0	8.0	7.0	25.0	2.5	3.0
15.0	98.0	5.0	6.0	73.0					
47102-301		2.0	41.8	37.0	34.0	144.0	2.5	17.0	50.0
0.3	0.5	94.0	31.0	81.0	25.0	1.0	7.7	2.5	17.0
10.0	10.0	5.0	615.0	54.0	25.0	11.0	170.0	2.5	9.0
15.0	57.0	5.0	15.0	88.0					
47102-302		1.0	47.7	26.0	39.0	92.0	2.5	17.0	63.0
0.3	0.5	110.0	27.0	71.0	25.0	1.0	6.4	2.5	16.0
10.0	10.0	5.0	305.0	51.0	27.0	9.0	135.0	2.5	8.0
15.0	50.0	5.0	17.0	96.0					
47102-303		6.0	56.1	40.0	52.0	107.0	2.5	13.0	54.0
0.7	0.5	114.0	24.0	71.0	25.0	1.0	6.1	2.5	15.0
10.0	10.0	5.0	359.0	45.0	26.0	9.0	105.0	2.5	8.0
15.0	66.0	5.0	18.0	102.0					
47102-304		5.0	4.8	8.0	5.0	36.0	2.5	6.0	18.0
0.3	0.5	301.0	31.0	43.0	25.0	1.0	2.0	2.5	5.0
10.0	10.0	5.0	271.0	17.0	11.0	6.0	52.0	2.5	4.0
15.0	72.0	5.0	9.0	62.0					
47102-304		2.0	55.0	41.0	39.0	97.0	2.5	11.0	43.0
0.3	0.5	102.0	23.0	67.0	25.0	1.0	5.9	2.5	14.0
10.0	10.0	5.0	355.0	42.0	22.0	8.0	126.0	2.5	7.0
15.0	55.0	5.0	14.0	78.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-305		0.5	14.8	7.0	12.0	37.0	2.5	5.0	16.0
0.3	0.5	181.0	29.0	40.0	25.0	1.0	2.0	2.5	4.0
10.0	10.0	5.0	179.0	14.0	10.0	4.0	25.0	2.5	4.0
15.0	62.0	5.0	8.0	48.0					
47102-306		0.5	20.0	14.0	19.0	69.0	2.5	15.0	35.0
0.9	0.5	181.0	39.0	119.0	25.0	1.0	2.0	2.5	10.0
10.0	10.0	5.0	831.0	32.0	17.0	9.0	25.0	2.5	9.0
15.0	122.0	5.0	13.0	116.0					
47102-307		0.5	12.0	9.0	5.0	51.0	2.5	14.0	36.0
0.7	0.5	319.0	33.0	133.0	25.0	1.0	2.0	2.5	8.0
10.0	10.0	5.0	640.0	25.0	18.0	18.0	60.0	2.5	15.0
15.0	132.0	5.0	14.0	165.0					
47102-308		0.5	18.4	16.0	6.0	76.0	2.5	10.0	54.0
0.3	0.5	381.0	39.0	115.0	25.0	1.0	2.0	11.0	2.5
10.0	10.0	5.0	552.0	13.5	21.0	4.0	25.0	2.5	25.0
15.0	156.0	5.0	17.0	154.0					
47102-309		2.0	51.2	45.0	28.0	104.0	2.5	30.0	61.0
0.3	1.0	113.0	41.0	241.0	25.0	1.0	13.0	8.0	20.0
10.0	10.0	5.0	3427.0	40.0	22.0	10.0	139.0	2.5	25.0
15.0	341.0	5.0	23.0	155.0					
47102-310		0.5	52.3	52.0	40.0	145.0	2.5	40.0	74.0
0.3	1.0	166.0	55.0	323.0	25.0	1.0	9.5	14.0	15.0
10.0	10.0	5.0	547.0	36.0	23.0	0.5	25.0	2.5	35.0
31.0	357.0	5.0	26.0	124.0					
47102-311		0.5	63.1	38.0	18.0	74.0	2.5	26.0	50.0
1.1	1.0	102.0	55.0	192.0	25.0	1.0	6.6	2.5	18.0
10.0	10.0	5.0	389.0	32.0	17.0	7.0	25.0	2.5	21.0
15.0	255.0	5.0	18.0	109.0					
47102-312		0.5	55.5	28.0	18.0	74.0	2.5	21.0	42.0
1.3	0.5	86.0	48.0	121.0	25.0	1.0	5.0	2.5	17.0
10.0	10.0	5.0	432.0	41.0	22.0	9.0	25.0	2.5	15.0
15.0	279.0	5.0	19.0	97.0					
47102-313		0.5	50.4	23.0	18.0	85.0	2.5	17.0	42.0
1.3	0.5	85.0	39.0	96.0	25.0	1.0	4.8	2.5	17.0
10.0	10.0	5.0	1825.0	48.0	22.0	10.0	69.0	2.5	12.0
15.0	183.0	5.0	17.0	99.0					
47102-314		0.5	52.9	30.0	24.0	87.0	2.5	16.0	47.0
1.1	0.5	83.0	40.0	74.0	25.0	1.0	5.2	2.5	17.0
10.0	10.0	5.0	771.0	51.0	25.0	9.0	100.0	2.5	10.0
15.0	153.0	5.0	17.0	83.0					
47102-315		1.0	44.1	37.0	19.0	83.0	2.5	19.0	46.0
1.4	0.5	96.0	43.0	111.0	25.0	1.0	5.2	2.5	18.0
10.0	10.0	5.0	1869.0	55.0	28.0	11.0	25.0	2.5	14.0
15.0	190.0	5.0	22.0	103.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-316		0.5	18.8	41.0	46.0	85.0	2.5	6.0	21.0
0.9	0.5	123.0	22.0	42.0	25.0	11.0	2.0	2.5	13.0
10.0	10.0	5.0	495.0	34.0	18.0	6.0	25.0	2.5	6.0
15.0	154.0	5.0	14.0	50.0					
47102-317		2.0	32.1	98.0	46.0	96.0	2.5	9.0	31.0
1.1	0.5	141.0	24.0	43.0	25.0	6.0	2.0	2.5	12.0
10.0	10.0	5.0	783.0	39.0	20.0	6.0	52.0	2.5	6.0
15.0	115.0	5.0	14.0	57.0					
47102-318		5.0	9.7	52.0	118.0	69.0	2.5	8.0	27.0
0.9	0.5	236.0	23.0	43.0	25.0	8.0	2.0	2.5	12.0
10.0	10.0	5.0	1104.0	42.0	20.0	6.0	56.0	2.5	6.0
15.0	161.0	5.0	16.0	58.0					
47102-319		13.0	12.3	3430.0	446.0	439.0	213.0	25.0	36.0
0.3	3.0	187.0	6.0	57.0	25.0	1.0	9.4	14.0	30.0
10.0	10.0	386.0	416.0	64.0	17.0	0.5	25.0	5.0	7.0
35.0	41.0	5.0	20.0	59.0					
47102-320		4.0	51.8	66.0	128.0	186.0	2.5	6.0	18.0
1.3	1.0	76.0	11.0	35.0	25.0	11.0	2.0	2.5	10.0
10.0	10.0	5.0	317.0	20.0	12.0	5.0	58.0	5.0	4.0
15.0	41.0	5.0	8.0	36.0					
47102-321		6.0	29.1	88.0	246.0	377.0	2.5	13.0	37.0
1.1	2.0	124.0	13.0	47.0	25.0	7.0	4.4	2.5	9.0
10.0	10.0	5.0	241.0	32.0	15.0	6.0	25.0	2.5	5.0
15.0	30.0	5.0	9.0	59.0					
47102-322		2.0	41.7	303.0	106.0	167.0	2.5	10.0	33.0
0.9	0.5	100.0	27.0	63.0	25.0	1.0	4.3	2.5	13.0
10.0	10.0	5.0	329.0	35.0	20.0	6.0	25.0	2.5	9.0
15.0	139.0	5.0	15.0	57.0					
47102-323		2.0	43.4	194.0	150.0	268.0	12.0	14.0	34.0
1.2	0.5	127.0	16.0	54.0	25.0	1.0	5.1	6.0	14.0
10.0	10.0	19.0	267.0	38.0	21.0	7.0	69.0	2.5	6.0
15.0	75.0	5.0	16.0	56.0					
47102-324		3.0	8.8	15.0	15.0	40.0	2.5	6.0	21.0
0.5	0.5	201.0	28.0	37.0	25.0	17.0	2.0	2.5	8.0
10.0	10.0	5.0	251.0	24.0	14.0	5.0	25.0	2.5	4.0
15.0	68.0	5.0	10.0	46.0					
47102-325		0.5	13.5	13.0	18.0	50.0	2.5	6.0	24.0
0.8	0.5	173.0	31.0	45.0	25.0	5.0	2.0	2.5	12.0
10.0	10.0	5.0	377.0	35.0	18.0	7.0	65.0	2.5	5.0
15.0	79.0	5.0	12.0	59.0					
47102-326		0.5	37.7	35.0	33.0	68.0	2.5	18.0	63.0
0.8	0.5	145.0	29.0	43.0	25.0	1.0	4.6	2.5	11.0
10.0	10.0	5.0	745.0	40.0	19.0	6.0	96.0	2.5	6.0
15.0	119.0	5.0	15.0	62.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-327		0.5	26.5	13.0	15.0	38.0	2.5	8.0	29.0
0.3	0.5	155.0	26.0	40.0	25.0	7.0	2.0	2.5	7.0
10.0	10.0	5.0	3179.0	33.0	18.0	5.0	62.0	2.5	5.0
15.0	96.0	5.0	12.0	90.0					
47102-328		2.0	38.4	22.0	16.0	84.0	2.5	16.0	48.0
1.0	0.5	112.0	49.0	101.0	25.0	1.0	4.9	2.5	18.0
10.0	10.0	5.0	639.0	57.0	30.0	23.0	64.0	2.5	10.0
15.0	86.0	5.0	19.0	157.0					
47102-329		2.0	27.1	26.0	16.0	81.0	2.5	17.0	30.0
1.3	0.5	273.0	37.0	176.0	25.0	1.0	7.2	2.5	19.0
10.0	10.0	115.0	7434.0	96.0	46.0	61.0	70.0	2.5	10.0
15.0	132.0	5.0	26.0	439.0					
47102-330		0.5	26.7	29.0	15.0	85.0	2.5	13.0	32.0
1.1	0.5	92.0	45.0	95.0	25.0	1.0	4.5	2.5	19.0
10.0	10.0	5.0	2354.0	59.0	33.0	15.0	60.0	2.5	10.0
15.0	96.0	5.0	15.0	96.0					
47102-331		3.0	22.3	30.0	17.0	79.0	2.5	19.0	32.0
1.4	1.0	198.0	38.0	135.0	25.0	1.0	6.7	2.5	19.0
10.0	10.0	47.0	11857.0	87.0	43.0	52.0	93.0	2.5	11.0
15.0	156.0	5.0	24.0	304.0					
47102-332		0.5	14.1	14.0	15.0	58.0	2.5	11.0	48.0
0.3	0.5	268.0	27.0	51.0	25.0	1.0	2.0	2.5	10.0
10.0	10.0	5.0	249.0	38.0	19.0	7.0	25.0	2.5	7.0
15.0	53.0	5.0	14.0	95.0					
47102-333		0.5	32.4	15.0	22.0	73.0	2.5	14.0	63.0
0.6	0.5	162.0	37.0	59.0	25.0	1.0	2.0	2.5	11.0
10.0	10.0	5.0	283.0	46.0	23.0	8.0	94.0	2.5	8.0
15.0	57.0	5.0	16.0	100.0					
47102-334		0.5	26.4	12.0	18.0	65.0	2.5	12.0	50.0
0.5	0.5	202.0	33.0	51.0	25.0	1.0	2.0	2.5	10.0
10.0	10.0	5.0	259.0	43.0	22.0	7.0	25.0	2.5	7.0
15.0	63.0	5.0	15.0	101.0					
47102-335		0.5	28.9	11.0	16.0	67.0	2.5	12.0	57.0
0.5	0.5	235.0	36.0	56.0	25.0	1.0	2.0	2.5	10.0
10.0	10.0	5.0	264.0	42.0	21.0	8.0	56.0	2.5	8.0
15.0	54.0	5.0	15.0	97.0					
47102-336		0.5	26.9	8.0	10.0	53.0	2.5	8.0	40.0
0.3	0.5	235.0	27.0	43.0	25.0	1.0	2.0	2.5	7.0
10.0	10.0	5.0	221.0	33.0	17.0	6.0	25.0	2.5	6.0
15.0	51.0	5.0	13.0	87.0					
47102-337		2.0	15.1	16.0	16.0	59.0	2.5	10.0	23.0
1.1	0.5	149.0	30.0	70.0	25.0	1.0	6.1	2.5	17.0
10.0	10.0	5.0	319.0	56.0	28.0	53.0	25.0	2.5	7.0
15.0	103.0	5.0	27.0	198.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-338		118.0	21.2	21.0	18.0	83.0	2.5	11.0	20.0
0.3	2.0	156.0	28.0	251.0	25.0	1.0	10.4	6.0	19.0
10.0	10.0	29.0	239.0	87.0	49.0	208.0	25.0	2.5	10.0
32.0	75.0	28.0	59.0	968.0					
47102-339		2.0	31.0	8.0	13.0	31.0	2.5	4.0	9.0
1.0	0.5	83.0	18.0	42.0	25.0	1.0	4.7	2.5	16.0
10.0	10.0	5.0	271.0	49.0	27.0	56.0	86.0	2.5	5.0
15.0	116.0	5.0	24.0	211.0					
47102-340		0.5	24.4	15.0	14.0	69.0	2.5	6.0	10.0
0.7	2.0	140.0	19.0	168.0	25.0	1.0	10.0	2.5	20.0
10.0	10.0	15.0	207.0	90.0	48.0	174.0	25.0	2.5	8.0
15.0	89.0	14.0	57.0	837.0					
47102-341		0.5	18.8	10.0	14.0	39.0	2.5	9.0	28.0
0.3	0.5	275.0	35.0	41.0	25.0	1.0	4.3	2.5	8.0
10.0	10.0	5.0	320.0	25.0	13.0	6.0	25.0	2.5	3.0
15.0	41.0	5.0	9.0	81.0					
47102-342		0.5	33.5	11.0	14.0	48.0	2.5	6.0	31.0
0.5	0.5	208.0	39.0	45.0	25.0	1.0	4.6	2.5	9.0
10.0	10.0	5.0	295.0	45.0	23.0	7.0	25.0	2.5	3.0
15.0	48.0	5.0	10.0	83.0					
47102-343		0.5	28.0	22.0	22.0	55.0	6.0	13.0	39.0
0.6	0.5	191.0	32.0	55.0	25.0	1.0	6.1	2.5	12.0
10.0	10.0	5.0	321.0	23.0	13.0	8.0	25.0	2.5	4.0
15.0	62.0	5.0	7.0	89.0					
47102-344		0.5	18.6	12.0	13.0	81.0	6.0	11.0	33.0
0.6	0.5	231.0	51.0	55.0	25.0	1.0	6.8	2.5	15.0
10.0	10.0	5.0	501.0	35.0	16.0	11.0	25.0	2.5	4.0
15.0	46.0	5.0	10.0	88.0					
47102-345		7.0	9.8	12.0	15.0	94.0	2.5	14.0	36.0
0.8	0.5	193.0	62.0	56.0	25.0	1.0	2.0	2.5	15.0
10.0	10.0	5.0	503.0	58.0	30.0	11.0	25.0	2.5	7.0
15.0	60.0	5.0	15.0	91.0					
47102-346		0.5	23.8	13.0	17.0	93.0	6.0	14.0	42.0
0.6	0.5	171.0	58.0	64.0	25.0	1.0	7.8	2.5	17.0
10.0	10.0	5.0	494.0	37.0	19.0	11.0	66.0	2.5	4.0
15.0	51.0	5.0	11.0	85.0					
47102-347		0.5	20.2	40.0	49.0	99.0	6.0	24.0	90.0
1.0	1.0	147.0	57.0	70.0	25.0	1.0	12.4	2.5	14.0
10.0	10.0	5.0	987.0	35.0	14.0	10.0	62.0	2.5	6.0
15.0	67.0	5.0	12.0	105.0					
47102-348		1.0	14.2	6.0	5.0	32.0	2.5	7.0	20.0
0.6	0.5	773.0	24.0	32.0	25.0	1.0	2.0	2.5	5.0
10.0	10.0	5.0	192.0	37.0	18.0	6.0	25.0	2.5	4.0
15.0	48.0	5.0	11.0	171.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-348		0.5	14.9	12.0	23.0	46.0	9.0	10.0	29.0
0.6	0.5	321.0	32.0	46.0	25.0	1.0	4.8	2.5	10.0
10.0	10.0	11.0	278.0	28.0	14.0	7.0	25.0	14.0	4.0
15.0	51.0	5.0	9.0	86.0					
47102-350		0.5	5.0	25.0	19.0	145.0	7.0	21.0	55.0
1.1	0.5	352.0	82.0	127.0	25.0	1.0	10.1	2.5	17.0
10.0	10.0	5.0	491.0	32.0	21.0	11.0	80.0	2.5	11.0
15.0	152.0	5.0	18.0	114.0					
47102-351		0.5	9.8	19.0	16.0	136.0	6.0	18.0	48.0
0.9	0.5	224.0	80.0	107.0	25.0	1.0	8.2	2.5	15.0
10.0	10.0	5.0	393.0	28.0	18.0	10.0	25.0	2.5	8.0
15.0	128.0	5.0	16.0	110.0					
47102-352		0.5	32.5	24.0	21.0	157.0	5.0	21.0	58.0
1.1	0.5	145.0	91.0	126.0	25.0	1.0	9.9	2.5	17.0
10.0	10.0	5.0	438.0	31.0	19.0	12.0	52.0	2.5	11.0
15.0	164.0	5.0	19.0	127.0					
47102-353		0.5	7.9	18.0	14.0	128.0	2.5	18.0	50.0
1.1	0.5	262.0	83.0	128.0	25.0	1.0	2.0	2.5	12.0
10.0	10.0	5.0	328.0	33.0	23.0	9.0	76.0	2.5	15.0
15.0	182.0	5.0	20.0	123.0					
47102-354		50.0	17.4	43.0	60.0	81.0	7.0	28.0	111.0
1.3	0.5	232.0	24.0	145.0	25.0	1.0	25.2	2.5	7.0
10.0	10.0	5.0	791.0	36.0	9.0	6.0	25.0	2.5	8.0
15.0	77.0	5.0	15.0	78.0					
47102-355		0.5	21.3	16.0	18.0	53.0	2.5	12.0	39.0
0.6	0.5	218.0	35.0	56.0	25.0	1.0	7.2	2.5	10.0
10.0	10.0	5.0	338.0	26.0	13.0	7.0	25.0	2.5	4.0
15.0	56.0	5.0	10.0	80.0					
47102-356		0.5	16.1	20.0	18.0	100.0	2.5	23.0	66.0
1.1	1.0	157.0	48.0	91.0	25.0	1.0	2.0	2.5	15.0
10.0	10.0	5.0	449.0	58.0	29.0	11.0	25.0	2.5	11.0
15.0	104.0	5.0	20.0	128.0					
47102-357		0.5	22.5	23.0	20.0	99.0	8.0	22.0	67.0
0.8	0.5	172.0	45.0	99.0	25.0	1.0	8.6	2.5	17.0
10.0	10.0	5.0	439.0	36.0	15.0	11.0	63.0	2.5	7.0
15.0	78.0	5.0	13.0	126.0					
47102-358		0.5	20.0	15.0	14.0	37.0	6.0	6.0	18.0
0.3	0.5	165.0	29.0	43.0	25.0	1.0	2.0	2.5	8.0
10.0	10.0	5.0	189.0	18.0	17.0	5.0	25.0	2.5	7.0
15.0	41.0	5.0	24.0	46.0					
47102-359		0.5	21.4	13.0	12.0	34.0	2.5	5.0	18.0
0.3	0.5	183.0	32.0	44.0	25.0	1.0	2.0	2.5	8.0
10.0	10.0	5.0	197.0	17.0	12.0	4.0	59.0	2.5	6.0
15.0	47.0	5.0	15.0	44.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-360		0.5	17.4	10.0	16.0	38.0	2.5	7.0	16.0
0.6	0.5	183.0	23.0	58.0	25.0	1.0	4.1	2.5	8.0
10.0	10.0	5.0	513.0	11.0	8.0	4.0	25.0	2.5	5.0
15.0	84.0	5.0	8.0	38.0					
47102-361		3.0	13.6	8.0	5.0	36.0	2.5	6.0	13.0
0.3	0.5	159.0	25.0	34.0	25.0	1.0	2.0	2.5	5.0
10.0	10.0	5.0	242.0	16.0	11.0	4.0	25.0	2.5	4.0
15.0	83.0	5.0	8.0	30.0					
47102-362		0.5	14.6	10.0	17.0	48.0	6.0	11.0	20.0
1.0	0.5	191.0	23.0	111.0	25.0	1.0	6.0	2.5	9.0
10.0	10.0	5.0	667.0	12.0	9.0	5.0	25.0	2.5	6.0
15.0	93.0	5.0	10.0	51.0					
47102-363		0.5	14.4	12.0	16.0	46.0	6.0	12.0	20.0
0.8	0.5	206.0	27.0	93.0	25.0	1.0	2.0	2.5	13.0
10.0	10.0	5.0	318.0	23.0	12.0	6.0	25.0	2.5	11.0
15.0	125.0	5.0	13.0	50.0					
47102-364		0.5	11.2	8.0	12.0	35.0	2.5	6.0	14.0
0.3	0.5	166.0	21.0	37.0	25.0	6.0	2.0	2.5	9.0
10.0	10.0	5.0	220.0	18.0	10.0	4.0	25.0	2.5	4.0
15.0	74.0	5.0	8.0	31.0					
47102-365		0.5	16.9	14.0	21.0	76.0	6.0	14.0	47.0
0.5	0.5	209.0	61.0	63.0	25.0	1.0	6.7	2.5	12.0
10.0	10.0	5.0	428.0	24.0	12.0	8.0	25.0	2.5	4.0
15.0	60.0	5.0	11.0	86.0					
47102-366		0.5	12.4	14.0	19.0	85.0	2.5	16.0	50.0
0.7	0.5	206.0	70.0	62.0	25.0	1.0	2.0	2.5	10.0
10.0	10.0	5.0	482.0	51.0	24.0	8.0	25.0	2.5	7.0
15.0	74.0	5.0	17.0	105.0					
47102-367		0.5	16.0	14.0	19.0	75.0	2.5	13.0	46.0
0.3	0.5	203.0	60.0	64.0	25.0	1.0	6.6	2.5	11.0
10.0	10.0	5.0	423.0	20.0	13.0	7.0	25.0	2.5	4.0
15.0	58.0	5.0	11.0	84.0					
47102-368		0.5	13.4	14.0	21.0	68.0	7.0	12.0	38.0
0.5	0.5	271.0	43.0	56.0	25.0	1.0	6.4	2.5	10.0
10.0	10.0	5.0	343.0	29.0	15.0	7.0	25.0	2.5	4.0
15.0	52.0	5.0	11.0	79.0					
47102-369		0.5	28.3	15.0	21.0	63.0	6.0	12.0	35.0
0.6	0.5	198.0	36.0	60.0	25.0	1.0	6.5	2.5	12.0
10.0	10.0	5.0	336.0	31.0	17.0	8.0	25.0	2.5	5.0
15.0	52.0	5.0	18.0	86.0					
47102-370		0.5	19.0	15.0	22.0	62.0	2.5	12.0	36.0
0.6	0.5	187.0	35.0	63.0	25.0	1.0	6.4	2.5	13.0
10.0	10.0	5.0	339.0	27.0	13.0	8.0	25.0	2.5	5.0
15.0	55.0	5.0	10.0	87.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-371		1.0	16.5	17.0	12.0	53.0	6.0	7.0	26.0
0.3	0.5	121.0	45.0	50.0	25.0	1.0	2.0	2.5	11.0
10.0	10.0	5.0	151.0	24.0	14.0	6.0	25.0	2.5	5.0
15.0	75.0	5.0	10.0	49.0					
47102-372		0.5	11.1	13.0	16.0	55.0	6.0	8.0	24.0
0.3	0.5	155.0	24.0	48.0	25.0	1.0	2.0	2.5	11.0
10.0	10.0	5.0	199.0	30.0	16.0	7.0	56.0	2.5	6.0
15.0	67.0	5.0	13.0	68.0					
47102-373		0.5	20.7	16.0	19.0	63.0	6.0	7.0	27.0
0.3	0.5	109.0	49.0	53.0	25.0	1.0	2.0	2.5	10.0
10.0	10.0	5.0	346.0	24.0	12.0	6.0	25.0	2.5	5.0
15.0	72.0	5.0	7.0	42.0					
47102-374		0.5	14.9	9.0	5.0	36.0	5.0	5.0	15.0
0.3	0.5	138.0	21.0	39.0	25.0	1.0	2.0	2.5	9.0
10.0	10.0	5.0	151.0	19.0	10.0	5.0	25.0	2.5	4.0
15.0	59.0	5.0	7.0	42.0					
47102-375		0.5	20.2	8.0	5.0	36.0	6.0	5.0	17.0
0.3	0.5	146.0	24.0	36.0	25.0	1.0	2.0	2.5	10.0
10.0	10.0	5.0	135.0	19.0	10.0	5.0	25.0	2.5	4.0
15.0	59.0	5.0	7.0	39.0					
47102-376		0.5	16.3	7.0	5.0	28.0	6.0	3.0	9.0
0.3	0.5	162.0	24.0	35.0	25.0	1.0	2.0	2.5	9.0
10.0	10.0	5.0	155.0	20.0	12.0	5.0	25.0	2.5	5.0
15.0	74.0	5.0	9.0	49.0					
47102-377		8.0	12.0	9.0	11.0	54.0	5.0	5.0	18.0
0.6	0.5	200.0	24.0	41.0	25.0	1.0	2.0	2.5	10.0
10.0	10.0	5.0	153.0	24.0	12.0	5.0	25.0	2.5	4.0
15.0	63.0	5.0	8.0	44.0					
47102-378		1.0	19.7	10.0	12.0	48.0	2.5	5.0	17.0
0.3	0.5	146.0	21.0	37.0	25.0	4.0	2.0	2.5	10.0
10.0	10.0	5.0	176.0	25.0	14.0	5.0	25.0	2.5	5.0
15.0	46.0	5.0	13.0	37.0					
47102-379		0.5	20.4	21.0	19.0	66.0	6.0	7.0	38.0
0.3	0.5	145.0	20.0	43.0	25.0	1.0	2.0	2.5	9.0
10.0	10.0	5.0	208.0	31.0	20.0	5.0	25.0	2.5	6.0
15.0	48.0	5.0	17.0	45.0					
47102-380		1.0	13.7	9.0	15.0	53.0	2.5	5.0	22.0
0.3	0.5	152.0	25.0	41.0	25.0	1.0	2.0	2.5	10.0
10.0	10.0	5.0	220.0	24.0	16.0	6.0	25.0	2.5	4.0
15.0	50.0	5.0	12.0	47.0					
47102-381		0.5	8.0	9.0	12.0	48.0	7.0	6.0	17.0
0.3	0.5	179.0	25.0	38.0	25.0	9.0	2.0	2.5	10.0
10.0	10.0	5.0	211.0	23.0	15.0	6.0	25.0	2.5	4.0
15.0	49.0	5.0	12.0	41.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-382		2.0	11.5	10.0	16.0	54.0	7.0	7.0	18.0
0.3	0.5	154.0	25.0	39.0	25.0	5.0	2.0	2.5	11.0
10.0	10.0	5.0	228.0	24.0	15.0	6.0	25.0	2.5	4.0
15.0	50.0	5.0	11.0	46.0					
47102-383		0.5	14.5	21.0	25.0	69.0	7.0	8.0	24.0
0.6	0.5	161.0	26.0	49.0	25.0	1.0	2.0	2.5	10.0
10.0	10.0	5.0	280.0	28.0	18.0	6.0	25.0	2.5	5.0
15.0	51.0	5.0	16.0	51.0					
47102-384		1.0	14.8	13.0	13.0	85.0	2.5	11.0	35.0
0.6	0.5	180.0	59.0	64.0	25.0	1.0	2.0	2.5	20.0
10.0	10.0	5.0	363.0	56.0	28.0	9.0	110.0	2.5	9.0
15.0	72.0	5.0	13.0	70.0					
47102-385		0.5	30.2	16.0	13.0	84.0	5.0	12.0	32.0
0.6	0.5	224.0	53.0	61.0	25.0	1.0	2.0	2.5	18.0
10.0	10.0	5.0	340.0	57.0	28.0	8.0	25.0	2.5	8.0
15.0	62.0	5.0	12.0	66.0					
47102-386		0.5	22.4	18.0	16.0	76.0	5.0	12.0	34.0
0.6	1.0	147.0	40.0	61.0	25.0	1.0	2.0	2.5	18.0
10.0	10.0	5.0	326.0	62.0	29.0	9.0	82.0	2.5	8.0
15.0	103.0	5.0	15.0	88.0					
47102-387		0.5	13.3	13.0	13.0	56.0	8.0	11.0	34.0
0.3	0.5	288.0	32.0	55.0	25.0	1.0	2.0	2.5	15.0
10.0	10.0	5.0	263.0	47.0	21.0	8.0	25.0	2.5	7.0
15.0	66.0	5.0	14.0	99.0					
47102-388		2.0	13.8	12.0	14.0	65.0	2.5	12.0	37.0
0.9	0.5	240.0	33.0	60.0	25.0	1.0	2.0	2.5	16.0
10.0	10.0	5.0	305.0	52.0	24.0	8.0	54.0	2.5	7.0
15.0	73.0	5.0	14.0	87.0					
47102-389		3.0	15.3	11.0	15.0	73.0	7.0	14.0	37.0
0.3	0.5	210.0	37.0	52.0	25.0	1.0	2.0	2.5	14.0
10.0	10.0	5.0	375.0	47.0	23.0	8.0	25.0	2.5	6.0
15.0	67.0	5.0	13.0	76.0					
47102-390		0.5	21.9	17.0	12.0	61.0	5.0	9.0	22.0
0.3	0.5	153.0	32.0	71.0	25.0	1.0	2.0	2.5	19.0
10.0	10.0	5.0	385.0	61.0	31.0	34.0	82.0	2.5	8.0
15.0	144.0	5.0	24.0	141.0					
47102-391		0.5	34.3	17.0	13.0	58.0	8.0	12.0	21.0
0.3	0.5	168.0	32.0	95.0	25.0	1.0	2.0	2.5	21.0
10.0	10.0	5.0	375.0	68.0	36.0	51.0	25.0	2.5	9.0
15.0	131.0	5.0	29.0	257.0					
47102-392		0.5	17.0	16.0	12.0	54.0	7.0	9.0	22.0
0.3	0.5	353.0	28.0	77.0	25.0	1.0	2.0	2.5	18.0
10.0	10.0	5.0	994.0	65.0	33.0	52.0	25.0	2.5	7.0
15.0	161.0	5.0	25.0	284.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-393		7.0	12.8	17.0	12.0	65.0	7.0	11.0	23.0
0.8	0.5	346.0	34.0	112.0	25.0	1.0	2.0	2.5	22.0
10.0	10.0	5.0	385.0	78.0	41.0	71.0	25.0	2.5	9.0
15.0	114.0	5.0	30.0	367.0					
47102-394		3.0	10.0	16.0	11.0	61.0	7.0	9.0	22.0
0.3	0.5	277.0	29.0	93.0	25.0	1.0	2.0	2.5	20.0
10.0	10.0	5.0	361.0	64.0	32.0	58.0	66.0	2.5	8.0
15.0	130.0	10.0	27.0	198.0					
47102-395		2.0	19.3	19.0	12.0	54.0	8.0	10.0	22.0
0.3	0.5	174.0	34.0	72.0	25.0	1.0	2.0	2.5	19.0
10.0	10.0	5.0	358.0	56.0	29.0	33.0	25.0	2.5	8.0
15.0	140.0	5.0	21.0	137.0					
47102-396		1.0	21.2	13.0	13.0	65.0	6.0	10.0	30.0
0.3	0.5	159.0	48.0	61.0	25.0	1.0	2.0	2.5	18.0
10.0	10.0	5.0	348.0	56.0	27.0	12.0	25.0	2.5	8.0
15.0	76.0	5.0	15.0	82.0					
47102-397		0.5	24.9	11.0	41.0	54.0	7.0	8.0	25.0
0.3	0.5	258.0	26.0	46.0	25.0	1.0	2.0	2.5	11.0
10.0	10.0	5.0	172.0	34.0	15.0	6.0	25.0	2.5	5.0
15.0	42.0	5.0	10.0	75.0					
47102-398		2.0	8.5	16.0	24.0	94.0	2.5	12.0	32.0
0.3	0.5	330.0	32.0	62.0	25.0	1.0	2.0	2.5	14.0
10.0	10.0	5.0	842.0	57.0	22.0	9.0	78.0	2.5	7.0
15.0	93.0	5.0	17.0	105.0					
47102-399		0.5	21.6	9.0	5.0	67.0	6.0	8.0	26.0
0.3	0.5	274.0	27.0	52.0	25.0	1.0	2.0	2.5	11.0
10.0	10.0	5.0	239.0	46.0	21.0	7.0	25.0	2.5	5.0
15.0	59.0	5.0	13.0	107.0					
47102-400		0.5	24.1	17.0	30.0	71.0	7.0	11.0	27.0
0.3	0.5	137.0	43.0	56.0	25.0	1.0	2.0	2.5	12.0
10.0	10.0	5.0	372.0	42.0	20.0	7.0	25.0	2.5	7.0
15.0	81.0	5.0	14.0	61.0					
47102-401		7.0	13.4	16.0	5.0	63.0	9.0	9.0	26.0
0.3	0.5	353.0	36.0	44.0	25.0	1.0	2.0	2.5	10.0
10.0	10.0	5.0	531.0	10.0	7.0	6.0	25.0	2.5	2.0
15.0	32.0	5.0	5.0	93.0					
47102-402		2.0	20.2	7.0	5.0	41.0	7.0	6.0	16.0
0.3	0.5	342.0	25.0	24.0	25.0	1.0	2.0	2.5	8.0
10.0	10.0	5.0	349.0	23.0	11.0	5.0	25.0	2.5	2.0
15.0	26.0	5.0	8.0	140.0					
47102-403		1.0	10.2	9.0	5.0	41.0	6.0	6.0	17.0
0.3	0.5	286.0	25.0	26.0	25.0	1.0	2.0	2.5	9.0
10.0	10.0	5.0	173.0	24.0	13.0	6.0	25.0	2.5	3.0
15.0	27.0	5.0	9.0	205.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-404		2.0	16.8	12.0	5.0	49.0	7.0	7.0	19.0
0.3	0.5	277.0	27.0	30.0	25.0	1.0	2.0	2.5	9.0
10.0	10.0	5.0	479.0	24.0	12.0	5.0	25.0	2.5	3.0
15.0	27.0	5.0	7.0	99.0					
47102-405		0.5	17.9	6.0	5.0	17.0	2.5	1.0	9.0
0.3	0.5	395.0	13.0	8.0	25.0	1.0	2.0	2.5	3.0
10.0	10.0	5.0	51.0	19.0	9.0	4.0	25.0	2.5	2.0
15.0	13.0	5.0	17.0	588.0					
47102-406		2.0	18.7	19.0	14.0	438.0	7.0	13.0	21.0
0.3	2.0	236.0	26.0	32.0	25.0	1.0	2.0	2.5	10.0
10.0	10.0	5.0	12561.0	26.0	14.0	6.0	25.0	2.5	3.0
15.0	113.0	5.0	8.0	124.0					
47102-407		1.0	17.2	11.0	5.0	48.0	5.0	7.0	19.0
0.3	0.5	386.0	33.0	32.0	25.0	1.0	2.0	2.5	10.0
10.0	10.0	5.0	166.0	34.0	16.0	8.0	25.0	2.5	4.0
15.0	30.0	5.0	14.0	166.0					
47102-408		0.5	18.7	17.0	24.0	78.0	7.0	8.0	30.0
0.3	0.5	177.0	32.0	44.0	25.0	1.0	4.0	2.5	7.0
10.0	10.0	5.0	288.0	26.0	14.0	6.0	25.0	2.5	5.0
15.0	68.0	5.0	12.0	61.0					
47102-409		4.5	6.6	16.0	16.0	59.0	5.0	6.0	23.0
0.5	0.5	237.0	33.0	43.0	25.0	1.0	2.0	2.5	10.0
10.0	10.0	5.0	319.0	36.0	22.0	7.0	25.0	2.5	5.0
15.0	70.0	5.0	23.0	89.0					
47102-410		3.0	17.7	27.0	81.0	52.0	9.0	14.0	134.0
0.6	1.0	432.0	14.0	40.0	25.0	1.0	12.3	2.5	1.0
10.0	10.0	17.0	93.0	32.0	6.0	3.0	25.0	2.5	4.0
15.0	30.0	5.0	12.0	125.0					
47102-411		2.0	17.1	14.0	14.0	68.0	6.0	8.0	31.0
0.5	0.5	194.0	26.0	50.0	25.0	1.0	2.0	2.5	9.0
10.0	10.0	5.0	281.0	9.0	9.0	9.0	25.0	2.5	2.0
15.0	62.0	5.0	8.0	72.0					
47102-412		5.0	20.9	25.0	49.0	60.0	8.0	17.0	85.0
0.8	1.0	486.0	19.0	84.0	25.0	1.0	10.1	2.5	2.0
10.0	10.0	5.0	343.0	36.0	15.0	8.0	25.0	2.5	5.0
15.0	46.0	5.0	14.0	171.0					
47102-413		0.5	19.0	10.0	5.0	39.0	6.0	7.0	32.0
0.3	0.5	284.0	21.0	38.0	25.0	1.0	2.0	2.5	7.0
10.0	10.0	5.0	628.0	17.0	9.0	6.0	25.0	2.5	2.0
15.0	48.0	5.0	5.0	101.0					
47102-414		6.0	17.0	22.0	29.0	115.0	2.5	19.0	46.0
0.7	0.5	181.0	39.0	71.0	25.0	1.0	4.6	2.5	14.0
10.0	10.0	5.0	994.0	42.0	18.0	10.0	56.0	2.5	5.0
15.0	111.0	5.0	11.0	108.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-415		3.0	20.2	10.0	17.0	62.0	7.0	6.0	26.0
0.3	0.5	252.0	29.0	41.0	25.0	1.0	2.0	2.5	7.0
10.0	10.0	5.0	276.0	33.0	18.0	6.0	25.0	2.5	4.0
15.0	54.0	5.0	11.0	72.0					
47102-416		4.0	14.8	15.0	18.0	54.0	2.5	11.0	33.0
0.8	0.5	465.0	27.0	51.0	25.0	1.0	2.0	2.5	10.0
10.0	10.0	5.0	319.0	39.0	20.0	9.0	100.0	2.5	5.0
15.0	64.0	5.0	13.0	141.0					
47102-417		4.0	21.2	37.0	36.0	127.0	9.0	26.0	65.0
0.8	0.5	146.0	50.0	98.0	25.0	1.0	6.2	2.5	16.0
10.0	10.0	5.0	1323.0	34.0	12.0	12.0	52.0	2.5	5.0
15.0	141.0	5.0	9.0	94.0					
47102-418		8.0	12.9	48.0	50.0	141.0	7.0	27.0	81.0
0.9	1.0	167.0	38.0	71.0	25.0	1.0	6.7	2.5	13.0
10.0	10.0	5.0	1176.0	22.0	12.0	12.0	25.0	2.5	4.0
15.0	90.0	5.0	9.0	119.0					
47102-419		4.0	16.3	17.0	14.0	91.0	7.0	16.0	50.0
0.7	0.5	314.0	34.0	155.0	25.0	1.0	4.8	2.5	13.0
10.0	10.0	5.0	260.0	28.0	15.0	13.0	25.0	2.5	6.0
15.0	48.0	5.0	12.0	184.0					
47102-420		4.0	15.2	20.0	15.0	62.0	6.0	22.0	55.0
0.8	0.5	1010.0	27.0	122.0	25.0	1.0	5.2	2.5	10.0
10.0	10.0	5.0	223.0	46.0	24.0	14.0	25.0	2.5	6.0
15.0	34.0	5.0	13.0	350.0					
47102-421		2.0	18.4	13.0	6.5	70.0	2.5	8.5	45.0
0.3	0.5	337.0	44.0	93.5	25.0	1.0	5.7	8.0	5.0
10.0	10.0	5.0	229.0	10.5	15.0	5.0	25.0	2.5	10.0
15.0	65.0	5.0	11.0	166.0					
47102-422		0.5	18.7	19.0	8.0	87.0	5.0	9.5	57.0
0.3	1.0	427.0	32.0	112.5	25.0	1.0	6.6	14.0	4.5
10.0	10.0	5.0	302.0	12.0	18.0	5.0	25.0	2.5	14.0
15.0	67.0	5.0	14.0	146.0					
47102-423		27.0	25.6	34.0	15.5	107.0	8.0	26.0	100.0
2.2	0.5	650.0	28.0	281.0	25.0	1.0	11.9	2.5	6.0
10.0	10.0	5.0	314.0	11.5	18.0	5.5	25.0	2.5	36.0
20.0	134.0	11.0	22.0	147.0					
47102-424		0.5	17.4	21.0	9.0	92.0	6.0	20.5	76.0
2.2	1.0	460.0	29.0	221.5	25.0	1.0	9.6	2.5	7.0
10.0	10.0	5.0	818.0	13.0	21.0	14.0	25.0	2.5	47.0
28.0	204.0	5.0	24.0	190.0					
47102-425		0.5	19.4	16.0	9.0	78.0	6.0	18.0	68.0
1.9	0.5	515.0	28.0	188.5	25.0	1.0	9.4	2.5	6.0
10.0	10.0	5.0	289.0	13.0	17.0	13.5	25.0	2.5	27.0
15.0	95.0	5.0	16.0	216.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-426		0.5	12.0	16.0	17.0	49.0	6.0	12.0	34.0
0.7	0.5	256.0	30.0	79.0	25.0	1.0	2.0	2.5	9.0
10.0	10.0	5.0	525.0	28.0	15.0	9.0	25.0	2.5	6.0
15.0	54.0	5.0	12.0	121.0					
47102-427		0.5	15.4	26.0	22.0	73.0	6.0	14.0	33.0
0.7	0.5	163.0	39.0	81.0	25.0	1.0	4.0	2.5	10.0
10.0	10.0	5.0	596.0	12.0	11.0	8.0	25.0	2.5	4.0
15.0	67.0	5.0	9.0	69.0					
47102-428		0.5	14.6	6.0	5.0	44.0	6.0	4.0	25.0
0.3	0.5	287.0	21.0	78.0	25.0	1.0	4.9	16.0	2.0
10.0	10.0	5.0	247.0	4.0	11.0	2.0	25.0	2.5	11.0
15.0	76.0	5.0	10.0	131.0					
47102-429		2.0	18.8	8.0	5.0	49.0	2.5	11.0	30.0
0.6	0.5	349.0	31.0	77.0	25.0	1.0	2.0	2.5	9.0
10.0	10.0	5.0	348.0	35.0	18.0	9.0	25.0	2.5	5.0
15.0	67.0	5.0	11.0	150.0					
47102-430		2.0	13.5	12.0	6.5	55.0	10.0	6.0	31.0
0.3	0.5	845.0	20.0	89.0	25.0	1.0	5.7	11.0	2.0
10.0	10.0	5.0	172.0	18.0	21.0	3.5	25.0	2.5	7.0
15.0	40.0	5.0	12.0	245.0					
47102-431		4.0	14.5	5.0	5.0	44.0	7.0	11.0	23.0
0.7	0.5	850.0	24.0	81.0	25.0	1.0	2.0	6.0	8.0
10.0	10.0	5.0	281.0	39.0	22.0	10.0	25.0	2.5	5.0
15.0	60.0	5.0	13.0	292.0					
47102-432		0.5	12.8	27.0	14.0	136.0	6.0	23.0	53.0
3.2	1.0	192.0	21.0	312.0	25.0	1.0	12.3	2.5	8.5
10.0	10.0	5.0	811.0	10.0	12.0	10.5	25.0	2.5	31.0
19.0	208.0	5.0	20.0	173.0					
47102-433		0.5	20.2	13.0	16.5	256.0	8.0	32.0	33.0
7.1	2.0	146.0	16.0	510.5	25.0	1.0	16.2	2.5	15.0
10.0	10.0	5.0	690.0	22.0	25.0	21.0	25.0	11.0	43.0
44.5	136.0	5.0	38.0	161.0					
47102-434		0.5	14.0	10.0	15.0	41.0	6.0	8.0	19.0
0.7	0.5	199.0	22.0	82.0	25.0	1.0	2.0	2.5	9.0
10.0	10.0	5.0	548.0	9.0	10.0	6.0	25.0	2.5	5.0
15.0	112.0	5.0	11.0	61.0					
47102-435		0.5	17.5	9.0	12.0	50.0	5.0	9.0	29.0
0.6	0.5	349.0	30.0	72.0	25.0	1.0	2.0	2.5	8.0
10.0	10.0	5.0	201.0	21.0	12.0	7.0	25.0	2.5	3.0
15.0	38.0	5.0	8.0	110.0					
47102-436		0.5	19.1	7.0	10.0	38.0	6.0	10.0	31.0
0.3	1.0	457.0	20.0	37.0	25.0	1.0	2.0	2.5	8.0
10.0	10.0	5.0	231.0	26.0	15.0	8.0	93.0	2.5	2.0
15.0	45.0	5.0	7.0	210.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-437		0.5	18.5	9.0	11.0	45.0	7.0	9.0	28.0
0.3	0.5	390.0	26.0	37.0	25.0	1.0	2.0	2.5	8.0
10.0	10.0	5.0	237.0	34.0	17.0	7.0	25.0	2.5	3.0
15.0	50.0	5.0	8.0	134.0					
47102-438		0.5	15.7	13.0	15.0	69.0	8.0	12.0	42.0
0.3	0.5	526.0	36.0	44.0	25.0	1.0	4.8	2.5	8.0
10.0	10.0	5.0	286.0	26.0	13.0	8.0	25.0	2.5	4.0
15.0	43.0	5.0	10.0	178.0					
47102-439		3.0	18.8	16.0	21.0	46.0	6.0	10.0	33.0
0.3	0.5	784.0	28.0	40.0	25.0	1.0	2.0	2.5	8.0
10.0	10.0	5.0	258.0	51.0	27.0	9.0	25.0	2.5	4.0
15.0	43.0	5.0	14.0	275.0					
47102-440		2.0	14.1	15.0	25.0	68.0	2.5	12.0	49.0
0.5	0.5	385.0	43.0	45.0	25.0	1.0	5.8	2.5	8.0
10.0	10.0	5.0	284.0	35.0	15.0	7.0	25.0	2.5	4.0
15.0	42.0	5.0	12.0	121.0					
47102-441		0.5	25.7	14.0	28.0	31.0	2.5	6.0	16.0
0.3	0.5	306.0	22.0	36.0	25.0	1.0	2.0	2.5	7.0
10.0	10.0	5.0	366.0	27.0	15.0	7.0	59.0	2.5	3.0
15.0	48.0	5.0	8.0	103.0					
47102-442		1.0	22.5	31.0	34.0	61.0	7.0	17.0	45.0
0.9	0.5	2215.0	24.0	49.0	25.0	1.0	7.3	2.5	9.0
10.0	10.0	5.0	253.0	63.0	29.0	10.0	25.0	2.5	4.0
15.0	43.0	5.0	16.0	278.0					
47102-443		1.0	26.9	146.0	65.0	125.0	13.0	19.0	59.0
1.1	1.0	669.0	14.0	66.0	25.0	1.0	10.5	2.5	8.0
10.0	10.0	43.0	1232.0	49.0	23.0	9.0	25.0	2.5	5.0
15.0	62.0	5.0	17.0	218.0					
47102-444		3.0	18.7	19.0	23.0	60.0	2.5	13.0	32.0
0.3	1.0	229.0	28.0	36.0	25.0	1.0	2.0	2.5	4.0
10.0	10.0	5.0	245.0	27.0	16.0	5.0	25.0	2.5	5.0
15.0	57.0	5.0	14.0	76.0					
47102-445		3.0	15.8	22.0	29.0	75.0	2.5	15.0	32.0
0.3	1.0	161.0	31.0	42.0	25.0	1.0	2.0	2.5	7.0
10.0	10.0	5.0	494.0	38.0	16.0	6.0	76.0	2.5	6.0
15.0	70.0	5.0	17.0	90.0					
47102-446		3.0	15.1	30.0	41.0	101.0	2.5	21.0	44.0
0.6	2.0	99.0	41.0	57.0	25.0	1.0	2.0	2.5	9.0
10.0	10.0	5.0	711.0	58.0	25.0	8.0	58.0	2.5	8.0
15.0	89.0	5.0	23.0	130.0					
47102-447		2.0	19.8	12.0	16.0	69.0	2.5	10.0	22.0
0.3	0.5	232.0	40.0	54.0	25.0	1.0	2.0	2.5	8.0
10.0	10.0	5.0	408.0	44.0	22.0	7.0	25.0	2.5	6.0
15.0	113.0	5.0	15.0	114.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-448		1.0	20.5	11.0	15.0	62.0	2.5	8.0	16.0
0.3	0.5	171.0	37.0	38.0	25.0	1.0	2.0	2.5	8.0
10.0	10.0	5.0	690.0	33.0	18.0	6.0	57.0	2.5	6.0
15.0	99.0	5.0	15.0	104.0					
47102-449		4.0	15.4	35.0	33.0	116.0	2.5	22.0	47.0
0.6	0.5	104.0	50.0	81.0	25.0	1.0	2.0	2.5	13.0
10.0	10.0	5.0	1884.0	46.0	23.0	8.0	57.0	2.5	9.0
15.0	154.0	5.0	19.0	103.0					
47102-450		5.0	15.3	13.0	17.0	67.0	2.5	11.0	38.0
0.3	0.5	326.0	50.0	70.0	25.0	1.0	2.0	2.5	9.0
10.0	10.0	5.0	350.0	46.0	25.0	7.0	25.0	2.5	9.0
15.0	80.0	5.0	21.0	132.0					
47102-451		5.0	13.5	33.0	39.0	107.0	2.5	22.0	55.0
0.9	1.0	227.0	45.0	128.0	25.0	1.0	2.0	2.5	10.0
10.0	10.0	5.0	324.0	39.0	16.0	6.0	62.0	2.5	9.0
15.0	122.0	5.0	16.0	100.0					
47102-452		2.0	18.2	18.0	24.0	72.0	2.5	14.0	32.0
0.6	0.5	275.0	39.0	69.0	25.0	1.0	2.0	2.5	10.0
10.0	10.0	5.0	642.0	50.0	23.0	8.0	25.0	2.5	8.0
15.0	131.0	5.0	18.0	133.0					
47102-453		2.0	21.3	35.0	40.0	90.0	2.5	22.0	55.0
0.8	2.0	184.0	45.0	122.0	25.0	1.0	2.0	2.5	11.0
10.0	10.0	5.0	632.0	49.0	24.0	6.0	25.0	2.5	11.0
15.0	208.0	10.0	23.0	123.0					
47102-454		0.5	18.5	20.0	21.0	78.0	2.5	12.0	34.0
0.7	0.5	82.0	44.0	64.0	25.0	1.0	2.0	2.5	12.0
10.0	10.0	5.0	877.0	34.0	16.0	7.0	25.0	2.5	8.0
15.0	154.0	5.0	14.0	78.0					
47102-455		2.0	14.8	15.0	16.0	74.0	2.5	6.0	21.0
0.7	0.5	116.0	26.0	45.0	25.0	1.0	2.0	2.5	9.0
10.0	10.0	5.0	317.0	30.0	20.0	6.0	25.0	2.5	8.0
15.0	53.0	5.0	21.0	58.0					
47102-456		3.0	18.9	14.0	16.0	64.0	2.5	12.0	21.0
1.1	0.5	109.0	30.0	65.0	25.0	1.0	2.0	2.5	12.0
10.0	10.0	5.0	323.0	30.0	17.0	6.0	25.0	2.5	12.0
15.0	149.0	5.0	16.0	59.0					
47102-457		2.0	15.1	16.0	22.0	77.0	2.5	15.0	26.0
1.3	0.5	149.0	27.0	108.0	25.0	1.0	2.0	2.5	12.0
10.0	10.0	5.0	323.0	33.0	19.0	6.0	25.0	2.5	18.0
15.0	150.0	5.0	19.0	69.0					
47102-458		3.0	16.2	12.0	12.0	56.0	2.5	7.0	21.0
0.8	0.5	133.0	25.0	48.0	25.0	3.0	2.0	2.5	10.0
10.0	10.0	5.0	207.0	23.0	16.0	6.0	25.0	2.5	6.0
15.0	56.0	5.0	14.0	44.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-459		2.0	16.2	27.0	30.0	99.0	2.5	19.0	40.0
1.5	0.5	169.0	27.0	146.0	25.0	1.0	2.0	2.5	12.0
10.0	10.0	5.0	318.0	39.0	23.0	5.0	25.0	2.5	24.0
15.0	148.0	5.0	28.0	96.0					
47102-460		1.0	17.9	18.0	21.0	65.0	2.5	14.0	27.0
0.9	0.5	121.0	30.0	74.0	25.0	1.0	2.0	2.5	11.0
10.0	10.0	5.0	323.0	33.0	19.0	6.0	25.0	2.5	11.0
15.0	122.0	5.0	18.0	67.0					
47102-461		3.0	11.6	22.0	22.0	50.0	2.5	8.0	25.0
0.6	0.5	133.0	38.0	68.0	25.0	1.0	2.0	2.5	11.0
10.0	10.0	5.0	428.0	42.0	33.0	7.0	25.0	2.5	12.0
15.0	58.0	5.0	32.0	71.0					
47102-462		2.0	16.7	18.0	19.0	58.0	2.5	12.0	24.0
0.7	1.0	128.0	29.0	67.0	25.0	1.0	2.0	2.5	9.0
10.0	10.0	5.0	264.0	24.0	16.0	5.0	25.0	2.5	9.0
15.0	97.0	5.0	16.0	56.0					
47102-463		3.0	22.0	22.0	19.0	86.0	2.5	13.0	35.0
0.7	0.5	150.0	62.0	83.0	25.0	1.0	2.0	2.5	19.0
10.0	10.0	5.0	546.0	61.0	31.0	9.0	25.0	2.5	10.0
15.0	56.0	5.0	14.0	91.0					
47102-464		3.0	15.8	32.0	22.0	92.0	2.5	14.0	38.0
0.9	0.5	215.0	61.0	83.0	25.0	1.0	2.0	2.5	22.0
10.0	10.0	5.0	1475.0	64.0	32.0	10.0	65.0	2.5	10.0
15.0	106.0	5.0	19.0	94.0					
47102-465		1.0	16.3	26.0	25.0	94.0	2.5	16.0	36.0
0.8	0.5	242.0	61.0	73.0	25.0	1.0	2.0	2.5	19.0
10.0	10.0	15.0	1168.0	59.0	30.0	9.0	66.0	2.5	10.0
15.0	70.0	5.0	14.0	104.0					
47102-466		3.0	16.7	32.0	20.0	86.0	2.5	12.0	34.0
0.8	0.5	200.0	62.0	75.0	25.0	1.0	2.0	2.5	21.0
10.0	10.0	5.0	881.0	59.0	31.0	9.0	89.0	2.5	10.0
15.0	104.0	5.0	16.0	86.0					
47102-467		2.0	19.8	18.0	20.0	72.0	2.5	12.0	32.0
0.9	0.5	287.0	47.0	65.0	25.0	1.0	2.0	2.5	18.0
10.0	10.0	5.0	1342.0	52.0	26.0	14.0	50.0	2.5	6.0
15.0	97.0	5.0	15.0	101.0					
47102-468		2.0	22.4	15.0	20.0	56.0	2.5	11.0	27.0
0.3	0.5	232.0	27.0	51.0	25.0	1.0	2.0	2.5	12.0
10.0	10.0	5.0	2143.0	42.0	20.0	8.0	84.0	2.5	6.0
15.0	145.0	5.0	16.0	81.0					
47102-469		0.5	21.0	22.0	23.0	65.0	2.5	15.0	35.0
0.9	0.5	231.0	34.0	67.0	25.0	1.0	2.0	2.5	17.0
10.0	10.0	5.0	2347.0	61.0	27.0	9.0	116.0	2.5	8.0
15.0	107.0	5.0	18.0	116.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-470		0.5	17.2	25.0	26.0	95.0	2.5	15.0	34.0
1.0	2.0	144.0	51.0	75.0	25.0	1.0	2.0	2.5	21.0
10.0	10.0	5.0	444.0	61.0	27.0	9.0	96.0	2.5	9.0
15.0	119.0	5.0	15.0	76.0					
47102-471		4.0	20.2	38.0	11.0	159.0	2.5	21.0	59.0
1.4	0.5	1108.0	30.0	56.0	63.0	1.0	2.0	2.5	15.0
10.0	10.0	5.0	488.0	61.0	19.0	11.0	25.0	2.5	7.0
15.0	138.0	5.0	23.0	241.0					
47102-472		0.5	17.8	16.0	15.0	64.0	2.5	12.0	32.0
1.0	0.5	665.0	45.0	63.0	25.0	1.0	2.0	2.5	17.0
10.0	10.0	5.0	620.0	63.0	29.0	9.0	71.0	2.5	8.0
15.0	72.0	5.0	17.0	152.0					
47102-473		2.0	18.5	70.0	27.0	83.0	2.5	16.0	44.0
1.0	0.5	393.0	55.0	69.0	25.0	1.0	2.0	2.5	18.0
10.0	10.0	5.0	1696.0	56.0	24.0	9.0	25.0	2.5	8.0
15.0	91.0	5.0	15.0	111.0					
47102-474		0.5	19.5	13.0	15.0	60.0	2.5	12.0	28.0
1.0	0.5	644.0	47.0	57.0	25.0	1.0	2.0	2.5	18.0
10.0	10.0	5.0	2305.0	56.0	26.0	9.0	69.0	2.5	8.0
15.0	153.0	5.0	16.0	160.0					
47102-475		0.5	19.4	8.0	13.0	56.0	2.5	9.0	21.0
0.8	0.5	297.0	42.0	45.0	25.0	1.0	2.0	2.5	15.0
10.0	10.0	5.0	477.0	42.0	20.0	7.0	25.0	2.5	6.0
15.0	126.0	5.0	12.0	84.0					
47102-476		2.0	19.8	22.0	24.0	74.0	2.5	16.0	44.0
1.0	0.5	890.0	39.0	61.0	25.0	1.0	2.0	2.5	16.0
10.0	10.0	5.0	4161.0	82.0	38.0	12.0	25.0	2.5	7.0
15.0	106.0	5.0	21.0	231.0					
47102-477		2.0	19.2	23.0	18.0	117.0	2.5	16.0	44.0
1.0	0.5	1829.0	34.0	65.0	25.0	1.0	2.0	2.5	15.0
10.0	10.0	5.0	1319.0	69.0	32.0	13.0	25.0	2.5	7.0
15.0	150.0	5.0	29.0	340.0					
47102-478		3.0	17.8	49.0	21.0	99.0	5.0	17.0	55.0
0.9	0.5	149.0	50.0	94.0	25.0	1.0	2.0	2.5	18.0
10.0	10.0	5.0	916.0	45.0	24.0	9.0	80.0	2.5	8.0
15.0	63.0	5.0	12.0	95.0					
47102-479		4.0	16.8	49.0	27.0	107.0	2.5	21.0	55.0
1.0	1.0	187.0	57.0	87.0	25.0	1.0	2.0	2.5	18.0
10.0	10.0	5.0	734.0	40.0	20.0	11.0	54.0	2.5	8.0
15.0	65.0	5.0	13.0	78.0					
47102-480		8.0	17.4	14.0	13.0	62.0	2.5	10.0	12.0
0.3	1.0	186.0	18.0	117.0	25.0	1.0	2.0	2.5	21.0
10.0	10.0	15.0	210.0	93.0	45.0	102.0	25.0	2.5	9.0
15.0	89.0	11.0	56.0	548.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-481		4.0	17.5	151.0	25.0	136.0	2.5	20.0	33.0
0.8	2.0	157.0	68.0	89.0	25.0	1.0	2.0	2.5	18.0
10.0	10.0	5.0	4143.0	56.0	29.0	30.0	25.0	2.5	9.0
15.0	140.0	5.0	21.0	159.0					
47102-482		0.5	28.6	22.0	7.0	97.0	6.0	4.5	14.0
0.3	2.0	127.0	14.0	135.0	25.0	1.0	2.0	24.0	10.0
10.0	10.0	33.0	423.0	87.0	82.0	143.0	25.0	2.5	12.0
15.0	57.0	23.0	121.0	1530.0					
47102-483		0.5	21.2	18.0	19.0	69.0	2.5	11.0	29.0
0.7	0.5	185.0	39.0	68.0	25.0	1.0	2.0	2.5	14.0
10.0	10.0	5.0	1235.0	39.0	20.0	8.0	25.0	2.5	8.0
15.0	82.0	5.0	12.0	71.0					
47102-484		6.0	23.8	64.0	22.0	131.0	24.0	17.0	63.0
1.2	2.0	128.0	42.0	89.0	25.0	1.0	2.0	2.5	16.0
10.0	10.0	5.0	181.0	46.0	19.0	8.0	74.0	2.5	9.0
15.0	78.0	5.0	15.0	79.0					
47102-485		3.0	22.2	93.0	30.0	93.0	2.5	16.0	38.0
0.9	1.0	172.0	55.0	102.0	25.0	1.0	2.0	2.5	16.0
10.0	10.0	5.0	398.0	43.0	21.0	8.0	80.0	2.5	8.0
15.0	85.0	5.0	14.0	68.0					
47102-486		0.5	19.7	20.0	30.0	111.0	2.5	19.0	43.0
0.3	0.5	198.0	65.0	79.0	25.0	1.0	2.0	2.5	19.0
10.0	10.0	11.0	524.0	50.0	28.0	8.0	77.0	2.5	8.0
15.0	74.0	5.0	11.0	74.0					
47102-487		0.5	20.3	17.0	20.0	104.0	2.5	15.0	35.0
0.6	0.5	220.0	46.0	91.0	25.0	1.0	2.0	2.5	14.0
10.0	10.0	5.0	583.0	43.0	22.0	8.0	25.0	2.5	9.0
15.0	67.0	5.0	14.0	82.0					
47102-488		0.5	24.3	25.0	8.0	93.0	2.5	5.5	14.0
0.3	1.0	140.0	18.0	111.5	25.0	1.0	2.0	19.0	9.5
10.0	10.0	23.0	194.0	63.5	67.0	103.0	25.0	2.5	10.0
15.0	84.0	17.0	91.0	1547.0					
47102-489		0.5	25.5	23.0	12.0	113.0	7.0	8.0	10.0
0.3	2.0	146.0	15.0	170.0	25.0	1.0	2.0	17.0	12.5
10.0	10.0	39.0	157.0	72.0	69.0	179.0	25.0	2.5	11.0
28.5	58.0	27.0	113.0	2006.0					
47102-490		185.0	26.0	19.0	9.5	167.0	7.0	8.5	11.0
0.4	3.0	128.0	13.0	197.5	25.0	1.0	2.0	2.5	14.5
10.0	10.0	29.0	134.0	76.0	70.0	150.0	25.0	2.5	11.0
48.5	47.0	32.0	115.0	1862.0					
47102-491		2.0	27.0	18.0	9.5	123.0	6.0	13.5	11.0
1.8	4.0	151.0	12.0	238.0	25.0	1.0	2.0	2.5	17.5
10.0	10.0	35.0	100.0	93.0	85.0	113.0	25.0	2.5	11.0
23.5	32.0	24.0	142.0	2578.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-492		2.0	19.9	18.0	14.0	75.0	2.5	9.0	26.0
0.9	0.5	197.0	31.0	77.0	25.0	1.0	2.0	2.5	15.0
10.0	10.0	5.0	361.0	47.0	22.0	28.0	25.0	2.5	6.0
15.0	64.0	5.0	18.0	223.0					
47102-493		645.0	23.8	17.0	5.0	97.0	2.5	6.0	9.0
0.3	1.0	137.0	15.0	159.0	25.0	1.0	2.0	14.0	13.0
10.0	10.0	46.0	153.0	74.5	67.0	173.5	51.0	2.5	12.0
15.0	68.0	27.0	109.0	1962.0					
47102-494		1.0	32.7	16.0	8.0	70.0	2.5	5.5	13.0
0.3	0.5	128.0	19.0	83.0	25.0	1.0	2.0	2.5	15.0
10.0	10.0	13.0	252.0	69.0	57.0	70.0	25.0	2.5	11.0
15.0	78.0	16.0	75.0	785.0					
47102-495		2.0	17.2	58.0	32.0	94.0	2.5	18.0	35.0
1.1	0.5	153.0	65.0	95.0	25.0	1.0	2.0	2.5	21.0
10.0	10.0	5.0	611.0	48.0	24.0	19.0	25.0	2.5	9.0
15.0	90.0	5.0	17.0	128.0					
47102-496		1.0	34.4	22.0	8.0	121.0	9.0	7.0	11.0
0.3	3.0	149.0	14.0	187.0	25.0	1.0	2.0	22.0	13.0
10.0	10.0	61.0	185.0	79.5	70.0	155.0	25.0	2.5	11.0
15.0	63.0	37.0	110.0	1637.0					
47102-497		1.0	21.6	204.0	59.0	130.0	43.0	23.0	57.0
1.1	0.5	114.0	23.0	71.0	25.0	1.0	2.0	2.5	16.0
10.0	10.0	40.0	799.0	45.0	20.0	8.0	92.0	2.5	9.0
15.0	69.0	5.0	21.0	66.0					
47102-498		11.0	25.8	2671.0	112.5	450.0	404.0	26.0	40.0
0.3	3.0	121.0	4.0	29.5	25.0	1.0	2.0	29.0	29.0
10.0	10.0	527.0	81.0	59.0	12.0	0.5	25.0	2.5	5.0
22.5	0.5	5.0	23.0	67.0					
47102-499		2.0	15.2	34.0	26.0	133.0	2.5	14.0	36.0
0.7	0.5	154.0	34.0	86.0	25.0	1.0	2.0	2.5	10.0
10.0	10.0	5.0	526.0	32.0	24.0	6.0	25.0	2.5	14.0
15.0	119.0	5.0	30.0	66.0					
47102-500		5.0	26.1	683.0	178.0	469.0	99.0	36.0	76.0
0.6	3.0	112.0	12.0	124.0	63.0	1.0	2.0	9.0	14.0
10.0	10.0	286.0	530.0	53.0	23.0	1.0	25.0	14.0	9.0
38.0	99.0	5.0	20.0	76.0					
47102-501		4.0	11.9	143.0	37.0	119.0	10.0	13.0	42.0
0.3	2.0	293.0	21.0	41.0	25.0	1.0	4.4	2.5	8.0
10.0	10.0	11.0	459.0	13.0	11.0	6.0	25.0	2.5	3.0
15.0	39.0	5.0	9.0	66.0					
47102-502		4.0	16.8	29.0	26.0	63.0	8.0	14.0	53.0
0.6	0.5	275.0	30.0	53.0	25.0	1.0	5.0	2.5	10.0
10.0	10.0	5.0	669.0	28.0	13.0	7.0	25.0	2.5	4.0
15.0	61.0	5.0	10.0	83.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-503		1.0	8.7	21.0	28.0	87.0	7.0	14.0	42.0
0.5	0.5	176.0	36.0	67.0	25.0	2.0	4.2	2.5	12.0
10.0	10.0	5.0	404.0	27.0	16.0	8.0	25.0	2.5	4.0
15.0	72.0	5.0	11.0	65.0					
47102-504		4.0	13.3	39.0	37.0	84.0	8.0	24.0	103.0
0.6	0.5	249.0	36.0	62.0	25.0	1.0	8.1	2.5	10.0
10.0	10.0	5.0	621.0	28.0	14.0	7.0	25.0	2.5	6.0
15.0	85.0	5.0	13.0	73.0					
47102-505		2.0	13.6	32.0	16.0	55.0	5.0	8.0	28.0
0.5	0.5	546.0	29.0	42.0	25.0	1.0	2.0	2.5	9.0
10.0	10.0	5.0	309.0	34.0	18.0	7.0	25.0	2.5	3.0
15.0	43.0	5.0	11.0	147.0					
47102-506		3.0	15.6	106.0	27.0	100.0	7.0	11.0	36.0
0.9	0.5	631.0	21.0	53.0	25.0	1.0	4.3	2.5	10.0
10.0	10.0	21.0	466.0	29.0	19.0	8.0	25.0	2.5	4.0
15.0	41.0	5.0	12.0	177.0					
47102-507		1.0	10.8	14.0	17.0	47.0	2.5	9.0	23.0
0.6	0.5	163.0	27.0	45.0	25.0	1.0	2.0	2.5	8.0
10.0	10.0	5.0	215.0	19.0	15.0	5.0	25.0	2.5	6.0
15.0	65.0	5.0	13.0	43.0					
47102-508		2.0	12.7	10.0	14.0	37.0	2.5	6.0	15.0
0.3	0.5	153.0	29.0	45.0	25.0	1.0	2.0	2.5	8.0
10.0	10.0	5.0	170.0	15.0	10.0	5.0	25.0	2.5	5.0
15.0	69.0	5.0	9.0	46.0					
47102-509		1.0	13.6	10.0	16.0	43.0	2.5	6.0	17.0
0.3	0.5	140.0	27.0	44.0	25.0	1.0	2.0	2.5	8.0
10.0	10.0	5.0	198.0	17.0	12.0	5.0	25.0	2.5	5.0
15.0	70.0	5.0	11.0	44.0					
47102-510		0.5	15.0	10.0	5.0	41.0	2.5	4.0	14.0
0.3	0.5	121.0	23.0	34.0	25.0	1.0	2.0	2.5	7.0
10.0	10.0	5.0	156.0	15.0	13.0	4.0	25.0	2.5	5.0
15.0	51.0	5.0	11.0	33.0					
47102-511		3.0	10.7	9.0	11.0	35.0	2.5	6.0	15.0
0.3	1.0	195.0	25.0	46.0	25.0	1.0	2.0	2.5	7.0
10.0	10.0	5.0	175.0	13.0	9.0	5.0	25.0	2.5	5.0
15.0	64.0	5.0	8.0	45.0					
47102-512		3.0	11.0	8.0	11.0	34.0	2.5	5.0	14.0
0.3	0.5	180.0	23.0	38.0	25.0	1.0	2.0	2.5	7.0
10.0	10.0	5.0	152.0	18.0	12.0	5.0	25.0	2.5	4.0
15.0	61.0	5.0	8.0	37.0					
47102-513		0.5	16.4	8.0	12.0	41.0	2.5	5.0	17.0
0.3	0.5	134.0	23.0	40.0	25.0	1.0	2.0	2.5	7.0
10.0	10.0	5.0	271.0	19.0	12.0	4.0	50.0	2.5	4.0
15.0	60.0	5.0	9.0	40.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-514		3.0	9.7	18.0	40.0	60.0	2.5	13.0	28.0
0.3	0.5	239.0	20.0	51.0	25.0	1.0	2.0	2.5	7.0
10.0	10.0	5.0	307.0	28.0	16.0	8.0	25.0	2.5	5.0
15.0	46.0	5.0	11.0	72.0					
47102-515		1.0	12.3	21.0	49.0	69.0	2.5	10.0	24.0
0.3	0.5	150.0	25.0	50.0	25.0	1.0	2.0	2.5	8.0
10.0	10.0	5.0	370.0	30.0	15.0	5.0	76.0	2.5	5.0
15.0	45.0	5.0	12.0	44.0					
47102-516		0.5	10.4	9.0	24.0	59.0	2.5	3.0	4.0
0.3	0.5	145.0	18.0	25.0	25.0	6.0	2.0	2.5	4.0
10.0	10.0	5.0	453.0	13.0	5.0	4.0	25.0	2.5	2.0
15.0	37.0	5.0	3.0	28.0					
47102-517		0.5	10.5	14.0	27.0	46.0	2.5	7.0	17.0
0.3	0.5	160.0	22.0	41.0	25.0	1.0	2.0	2.5	6.0
10.0	10.0	5.0	210.0	19.0	9.0	4.0	25.0	2.5	4.0
15.0	43.0	5.0	8.0	35.0					
47102-518		3.0	11.9	25.0	41.0	108.0	2.5	16.0	35.0
0.6	0.5	140.0	39.0	78.0	25.0	1.0	2.0	2.5	9.0
10.0	10.0	5.0	741.0	29.0	17.0	5.0	25.0	2.5	9.0
15.0	59.0	5.0	19.0	63.0					
47102-519		6.0	10.9	34.0	51.0	113.0	2.5	13.0	34.0
0.3	0.5	138.0	32.0	57.0	25.0	1.0	2.0	2.5	10.0
10.0	10.0	5.0	385.0	34.0	18.0	10.0	25.0	2.5	7.0
15.0	40.0	5.0	16.0	103.0					
47102-520		5.0	9.2	10.0	16.0	109.0	2.5	13.0	28.0
0.8	0.5	376.0	76.0	66.0	25.0	1.0	2.0	2.5	18.0
10.0	10.0	5.0	320.0	75.0	34.0	14.0	95.0	2.5	8.0
15.0	87.0	5.0	18.0	121.0					
47102-521		3.0	9.9	16.0	21.0	122.0	2.5	17.0	47.0
0.7	0.5	199.0	85.0	79.0	25.0	1.0	2.0	2.5	21.0
10.0	10.0	5.0	402.0	76.0	36.0	12.0	113.0	2.5	10.0
15.0	78.0	5.0	19.0	109.0					
47102-522		4.0	12.0	26.0	20.0	102.0	2.5	15.0	39.0
0.5	0.5	166.0	63.0	79.0	25.0	1.0	2.0	2.5	20.0
10.0	10.0	5.0	954.0	66.0	31.0	13.0	97.0	2.5	9.0
15.0	67.0	5.0	16.0	95.0					
47102-523		3.0	12.2	27.0	24.0	123.0	2.5	20.0	47.0
1.3	0.5	160.0	70.0	88.0	25.0	1.0	2.0	2.5	27.0
10.0	10.0	5.0	2696.0	75.0	35.0	16.0	91.0	2.5	10.0
15.0	117.0	5.0	18.0	97.0					
47102-524		3.0	14.2	26.0	20.0	96.0	2.5	17.0	43.0
1.3	0.5	192.0	60.0	85.0	25.0	1.0	2.0	2.5	25.0
10.0	10.0	5.0	3024.0	67.0	31.0	16.0	25.0	2.5	10.0
15.0	92.0	5.0	17.0	95.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-525		4.0	12.7	21.0	15.0	72.0	2.5	11.0	28.0
1.1	0.5	709.0	40.0	65.0	25.0	1.0	2.0	2.5	16.0
10.0	10.0	5.0	2537.0	62.0	25.0	12.0	25.0	2.5	7.0
15.0	111.0	5.0	21.0	206.0					
47102-526		3.0	9.7	14.0	18.0	112.0	2.5	20.0	50.0
1.2	0.5	1169.0	62.0	110.0	25.0	1.0	2.0	2.5	21.0
10.0	10.0	5.0	521.0	76.0	31.0	15.0	25.0	2.5	9.0
15.0	89.0	5.0	17.0	157.0					
47102-527		1.0	10.8	19.0	20.0	105.0	2.5	17.0	34.0
1.1	0.5	332.0	70.0	67.0	25.0	1.0	2.0	2.5	23.0
10.0	10.0	5.0	1668.0	79.0	33.0	14.0	70.0	2.5	9.0
15.0	93.0	5.0	18.0	114.0					
47102-528		2.0	10.6	9.0	5.0	60.0	2.5	10.0	23.0
1.1	0.5	761.0	37.0	52.0	25.0	1.0	2.0	2.5	15.0
10.0	10.0	5.0	288.0	51.0	21.0	10.0	25.0	2.5	6.0
15.0	50.0	5.0	13.0	178.0					
47102-529		11.0	10.0	43.0	22.0	115.0	5.0	14.0	41.0
0.7	0.5	258.0	51.0	100.0	25.0	1.0	2.0	2.5	16.0
10.0	10.0	5.0	1618.0	43.0	22.0	9.0	25.0	2.5	7.0
15.0	42.0	5.0	11.0	95.0					
47102-530		6.0	8.7	33.0	21.0	112.0	2.5	16.0	36.0
0.7	0.5	128.0	61.0	121.0	25.0	1.0	2.0	2.5	19.0
10.0	10.0	5.0	3516.0	49.0	26.0	9.0	72.0	2.5	8.0
15.0	80.0	5.0	11.0	83.0					
47102-531		4.0	10.6	39.0	21.0	107.0	2.5	15.0	46.0
0.6	0.5	247.0	55.0	94.0	25.0	1.0	2.0	2.5	17.0
10.0	10.0	5.0	1049.0	43.0	23.0	8.0	25.0	2.5	8.0
15.0	47.0	5.0	10.0	81.0					
47102-532		3.0	10.6	11.0	5.0	75.0	2.5	13.0	32.0
0.8	1.0	1831.0	36.0	63.0	25.0	1.0	2.0	2.5	14.0
10.0	10.0	5.0	702.0	60.0	28.0	10.0	25.0	2.5	6.0
15.0	59.0	5.0	16.0	251.0					
47102-533		2.0	14.4	10.0	20.0	41.0	2.5	8.0	19.0
0.3	0.5	458.0	21.0	46.0	25.0	1.0	2.0	2.5	7.0
10.0	10.0	5.0	231.0	41.0	19.0	7.0	25.0	2.5	4.0
15.0	43.0	5.0	11.0	124.0					
47102-534		2.0	12.2	9.0	13.0	45.0	2.5	11.0	24.0
0.7	0.5	1214.0	21.0	46.0	25.0	1.0	2.0	2.5	8.0
10.0	10.0	5.0	156.0	40.0	18.0	7.0	25.0	2.5	4.0
15.0	42.0	5.0	15.0	194.0					
47102-535		2.0	11.9	6.0	5.0	55.0	2.5	13.0	24.0
0.8	0.5	3630.0	17.0	60.0	25.0	1.0	2.0	2.5	10.0
10.0	10.0	5.0	144.0	54.0	25.0	8.0	25.0	2.5	4.0
15.0	38.0	5.0	13.0	182.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-536		0.5	12.9	8.0	12.0	40.0	2.5	6.0	18.0
0.6	0.5	534.0	19.0	37.0	25.0	1.0	2.0	2.5	7.0
10.0	10.0	5.0	236.0	33.0	15.0	7.0	25.0	2.5	3.0
15.0	54.0	5.0	11.0	110.0					
47102-537		2.0	10.9	18.0	20.0	52.0	2.5	16.0	44.0
0.8	0.5	1590.0	20.0	52.0	25.0	1.0	2.0	2.5	9.0
10.0	10.0	5.0	244.0	47.0	19.0	6.0	25.0	2.5	4.0
15.0	49.0	5.0	15.0	97.0					
47102-538		0.5	16.2	12.0	17.0	58.0	2.5	8.0	29.0
0.5	0.5	244.0	21.0	47.0	25.0	1.0	2.0	2.5	9.0
10.0	10.0	5.0	250.0	36.0	16.0	7.0	25.0	2.5	5.0
15.0	48.0	5.0	11.0	89.0					
47102-539		2.0	8.8	12.0	11.0	52.0	2.5	10.0	27.0
0.7	1.0	679.0	18.0	40.0	25.0	1.0	2.0	2.5	9.0
10.0	10.0	5.0	213.0	39.0	17.0	6.0	25.0	2.5	5.0
15.0	46.0	5.0	12.0	114.0					
47102-540		3.0	12.9	13.0	24.0	68.0	2.5	11.0	39.0
0.3	0.5	376.0	25.0	47.0	25.0	1.0	2.0	2.5	8.0
10.0	10.0	5.0	258.0	45.0	19.0	6.0	25.0	2.5	6.0
15.0	51.0	5.0	13.0	77.0					
47102-541		9.0	9.0	45.0	47.0	95.0	2.5	14.0	46.0
0.7	0.5	785.0	31.0	51.0	25.0	1.0	2.0	2.5	9.0
10.0	10.0	5.0	336.0	51.0	22.0	6.0	25.0	2.5	6.0
15.0	58.0	5.0	19.0	108.0					
47102-542		3.0	11.2	27.0	31.0	98.0	2.5	18.0	58.0
0.6	0.5	277.0	49.0	62.0	25.0	1.0	2.0	2.5	11.0
10.0	10.0	5.0	417.0	63.0	22.0	7.0	25.0	2.5	6.0
15.0	66.0	5.0	21.0	87.0					
47102-543		2.0	14.3	25.0	23.0	67.0	2.5	13.0	38.0
0.8	0.5	961.0	28.0	49.0	25.0	1.0	2.0	2.5	10.0
10.0	10.0	5.0	343.0	59.0	26.0	6.0	25.0	2.5	6.0
15.0	55.0	5.0	17.0	108.0					
47102-544		4.0	11.9	39.0	22.0	88.0	2.5	11.0	33.0
0.8	1.0	581.0	21.0	50.0	25.0	1.0	2.0	2.5	12.0
10.0	10.0	18.0	322.0	41.0	19.0	7.0	25.0	2.5	5.0
15.0	54.0	5.0	13.0	104.0					
47102-545		0.5	13.0	28.0	39.0	84.0	2.5	6.0	18.0
0.6	0.5	369.0	18.0	33.0	25.0	1.0	2.0	2.5	8.0
10.0	10.0	5.0	266.0	28.0	13.0	5.0	25.0	2.5	3.0
15.0	55.0	5.0	9.0	50.0					
47102-546		2.0	11.1	20.0	23.0	50.0	2.5	9.0	28.0
0.3	0.5	262.0	21.0	47.0	25.0	1.0	2.0	2.5	9.0
10.0	10.0	5.0	369.0	40.0	18.0	6.0	25.0	2.5	6.0
15.0	66.0	5.0	13.0	63.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-547		4.0	11.6	21.0	49.0	75.0	2.5	13.0	39.0
0.6	2.0	372.0	21.0	52.0	25.0	1.0	2.0	2.5	11.0
10.0	10.0	5.0	376.0	42.0	18.0	7.0	25.0	2.5	6.0
15.0	65.0	5.0	14.0	75.0					
47102-548		2.0	12.8	8.0	10.0	56.0	2.5	3.0	12.0
0.3	0.5	299.0	20.0	30.0	25.0	1.0	2.0	2.5	7.0
10.0	10.0	5.0	306.0	20.0	10.0	5.0	25.0	2.5	3.0
15.0	61.0	5.0	7.0	51.0					
47102-549		3.0	10.0	29.0	20.0	65.0	2.5	9.0	35.0
0.6	0.5	613.0	17.0	43.0	25.0	1.0	2.0	2.5	8.0
10.0	10.0	5.0	192.0	36.0	18.0	6.0	25.0	2.5	4.0
15.0	41.0	5.0	12.0	97.0					
47102-550		4.0	8.3	35.0	832.0	54.0	2.5	8.0	28.0
0.7	0.5	544.0	17.0	44.0	25.0	1.0	2.0	2.5	10.0
10.0	10.0	12.0	347.0	45.0	26.0	6.0	25.0	2.5	7.0
15.0	58.0	5.0	18.0	92.0					
47102-551		5.0	13.8	32.0	29.0	57.0	2.5	10.0	35.0
0.7	0.5	193.0	19.0	32.0	25.0	1.0	2.0	2.5	10.0
10.0	10.0	5.0	404.0	27.0	13.0	5.0	25.0	2.5	4.0
15.0	104.0	5.0	11.0	43.0					
47102-552		3.0	22.6	186.0	70.0	126.0	2.5	15.0	36.0
1.2	0.5	299.0	14.0	50.0	25.0	1.0	2.0	8.0	13.0
10.0	10.0	42.0	316.0	55.0	24.0	7.0	55.0	2.5	5.0
15.0	47.0	5.0	14.0	86.0					
47102-553		2.0	17.1	11.0	13.0	53.0	2.5	11.0	33.0
1.1	0.5	1646.0	22.0	51.0	25.0	1.0	2.0	2.5	15.0
10.0	10.0	5.0	206.0	74.0	34.0	6.0	25.0	2.5	6.0
15.0	77.0	5.0	21.0	164.0					
47102-554		9.0	10.7	15.0	28.0	63.0	2.5	14.0	47.0
0.7	0.5	655.0	27.0	51.0	25.0	1.0	2.0	2.5	11.0
10.0	10.0	5.0	268.0	49.0	22.0	7.0	25.0	2.5	6.0
15.0	63.0	5.0	15.0	117.0					
47102-555		3.0	14.8	11.0	16.0	48.0	2.5	11.0	34.0
0.3	1.0	384.0	32.0	41.0	25.0	1.0	2.0	2.5	8.0
10.0	10.0	5.0	205.0	38.0	18.0	6.0	25.0	2.5	5.0
15.0	52.0	5.0	12.0	96.0					
47102-556		0.5	16.4	11.0	15.0	45.0	2.5	12.0	31.0
0.7	0.5	1434.0	27.0	41.0	25.0	1.0	2.0	2.5	9.0
10.0	10.0	5.0	179.0	50.0	22.0	5.0	25.0	2.5	4.0
15.0	46.0	5.0	14.0	83.0					
47102-557		0.5	19.3	16.0	5.0	53.0	2.5	7.0	19.0
0.6	0.5	141.0	32.0	57.0	25.0	1.0	2.0	2.5	17.0
10.0	10.0	5.0	364.0	50.0	27.0	22.0	25.0	2.5	6.0
15.0	148.0	5.0	21.0	115.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-558		6.0	13.4	19.0	16.0	64.0	2.5	11.0	21.0
0.3	2.0	265.0	29.0	110.0	25.0	1.0	2.0	2.5	18.0
10.0	10.0	5.0	469.0	78.0	39.0	37.0	25.0	2.5	9.0
15.0	138.0	5.0	40.0	388.0					
47102-559		21.0	18.8	18.0	17.0	67.0	2.5	12.0	20.0
0.7	0.5	260.0	30.0	122.0	25.0	1.0	2.0	5.0	18.0
10.0	10.0	5.0	429.0	90.0	42.0	21.0	60.0	2.5	10.0
15.0	150.0	5.0	46.0	477.0					
47102-560		1.0	13.8	17.0	19.0	62.0	2.5	11.0	29.0
0.3	0.5	295.0	30.0	66.0	25.0	1.0	2.0	2.5	10.0
10.0	10.0	5.0	375.0	39.0	20.0	6.0	25.0	2.5	7.0
15.0	68.0	5.0	15.0	70.0					
47102-561		2.0	11.9	19.0	20.0	66.0	2.5	15.0	37.0
0.8	0.5	397.0	53.0	77.0	25.0	1.0	2.0	2.5	15.0
10.0	10.0	5.0	345.0	61.0	28.0	7.0	25.0	2.5	11.0
15.0	78.0	5.0	25.0	136.0					
47102-562		4.0	18.8	6.0	11.0	33.0	2.5	7.0	16.0
0.5	0.5	645.0	19.0	33.0	25.0	1.0	2.0	2.5	7.0
10.0	10.0	5.0	176.0	34.0	16.0	5.0	25.0	2.5	3.0
15.0	49.0	5.0	9.0	80.0					
47102-563		5.0	14.9	12.0	18.0	70.0	2.5	10.0	29.0
0.6	0.5	445.0	50.0	58.0	25.0	1.0	2.0	2.5	12.0
10.0	10.0	5.0	337.0	66.0	31.0	7.0	25.0	2.5	7.0
15.0	74.0	5.0	19.0	158.0					
47102-564		2.0	15.8	13.0	19.0	85.0	2.5	12.0	32.0
0.7	1.0	341.0	46.0	67.0	25.0	1.0	2.0	2.5	13.0
10.0	10.0	5.0	336.0	52.0	25.0	7.0	25.0	2.5	8.0
15.0	74.0	5.0	16.0	136.0					
47102-565		2.0	14.6	9.0	5.0	38.0	2.5	8.0	23.0
0.3	0.5	927.0	24.0	42.0	25.0	1.0	2.0	2.5	7.0
10.0	10.0	5.0	203.0	36.0	18.0	5.0	25.0	2.5	4.0
15.0	51.0	5.0	11.0	93.0					
47102-566		2.0	17.7	9.0	14.0	46.0	2.5	10.0	33.0
0.3	0.5	631.0	33.0	47.0	25.0	1.0	2.0	2.5	9.0
10.0	10.0	5.0	251.0	38.0	18.0	5.0	25.0	2.5	5.0
15.0	57.0	5.0	13.0	103.0					
47102-567		2.0	8.7	39.0	37.0	78.0	2.5	18.0	62.0
0.7	0.5	194.0	41.0	58.0	25.0	1.0	2.0	2.5	8.0
10.0	10.0	5.0	424.0	55.0	25.0	8.0	92.0	2.5	9.0
15.0	84.0	5.0	20.0	79.0					
47102-568		0.5	11.2	23.0	21.0	123.0	2.5	15.0	53.0
0.3	0.5	126.0	47.0	57.0	25.0	1.0	2.0	2.5	10.0
10.0	10.0	5.0	530.0	41.0	24.0	7.0	25.0	2.5	7.0
15.0	89.0	5.0	16.0	65.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-569		0.5	14.1	13.0	15.0	60.0	2.5	15.0	56.0
0.3	0.5	358.0	52.0	62.0	25.0	1.0	2.0	2.5	9.0
10.0	10.0	5.0	414.0	53.0	25.0	8.0	59.0	2.5	7.0
15.0	74.0	5.0	16.0	143.0					
47102-570		0.5	19.4	16.0	21.0	74.0	2.5	18.0	44.0
0.3	0.5	159.0	51.0	71.0	25.0	1.0	2.0	2.5	12.0
10.0	10.0	5.0	496.0	56.0	25.0	8.0	78.0	2.5	8.0
15.0	84.0	5.0	15.0	99.0					
47102-571		1.0	12.7	18.0	32.0	54.0	2.5	12.0	36.0
0.5	0.5	395.0	37.0	50.0	25.0	1.0	2.0	2.5	7.0
10.0	10.0	5.0	313.0	43.0	21.0	7.0	54.0	2.5	6.0
15.0	66.0	5.0	13.0	90.0					
47102-572		0.5	19.4	9.0	5.0	52.0	2.5	9.0	27.0
0.3	0.5	344.0	27.0	41.0	25.0	1.0	2.0	2.5	8.0
10.0	10.0	5.0	284.0	41.0	22.0	7.0	25.0	2.5	5.0
15.0	47.0	5.0	12.0	154.0					
47102-573		0.5	11.3	13.0	17.0	58.0	2.5	11.0	30.0
0.8	0.5	194.0	32.0	49.0	25.0	1.0	2.0	2.5	12.0
10.0	10.0	5.0	319.0	40.0	20.0	8.0	96.0	2.5	6.0
15.0	59.0	5.0	12.0	73.0					
47102-574		129.0	10.8	8.0	5.0	60.0	2.5	7.0	19.0
0.3	0.5	559.0	27.0	36.0	25.0	1.0	2.0	2.5	7.0
10.0	10.0	5.0	441.0	36.0	18.0	6.0	25.0	2.5	4.0
15.0	46.0	5.0	10.0	111.0					
47102-575		0.5	13.1	8.0	5.0	59.0	2.5	9.0	23.0
0.3	0.5	531.0	24.0	38.0	25.0	1.0	2.0	2.5	6.0
10.0	10.0	5.0	695.0	42.0	21.0	7.0	25.0	2.5	4.0
15.0	49.0	5.0	11.0	117.0					
47102-576		0.5	13.9	20.0	21.0	102.0	2.5	16.0	33.0
0.6	0.5	214.0	51.0	67.0	25.0	1.0	2.0	2.5	15.0
10.0	10.0	5.0	396.0	51.0	24.0	10.0	74.0	2.5	7.0
15.0	63.0	5.0	14.0	106.0					
47102-577		1.0	18.8	13.0	18.0	105.0	2.5	16.0	39.0
0.5	0.5	167.0	40.0	56.0	25.0	1.0	2.0	2.5	12.0
10.0	10.0	5.0	1581.0	44.0	23.0	8.0	25.0	2.5	6.0
15.0	59.0	5.0	14.0	72.0					
47102-578		2.0	13.8	21.0	15.0	65.0	2.5	11.0	27.0
0.8	0.5	276.0	40.0	64.0	25.0	1.0	2.0	2.5	15.0
10.0	10.0	5.0	826.0	33.0	18.0	24.0	70.0	2.5	6.0
15.0	79.0	5.0	17.0	125.0					
47102-579		1.0	15.2	24.0	15.0	91.0	2.5	15.0	77.0
0.9	0.5	217.0	53.0	89.0	25.0	1.0	2.0	2.5	18.0
10.0	10.0	55.0	792.0	48.0	24.0	13.0	102.0	2.5	7.0
15.0	76.0	5.0	10.0	89.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-580		3.0	14.9	22.0	12.0	69.0	2.5	13.0	33.0
0.9	0.5	137.0	41.0	86.0	25.0	1.0	2.0	2.5	17.0
10.0	10.0	5.0	632.0	47.0	24.0	20.0	95.0	2.5	7.0
15.0	71.0	5.0	12.0	124.0					
47102-581		127.0	12.0	27.0	12.0	86.0	2.5	17.0	49.0
1.1	0.5	166.0	32.0	129.0	25.0	1.0	2.0	2.5	17.0
10.0	10.0	5.0	544.0	77.0	34.0	51.0	52.0	2.5	9.0
34.0	102.0	5.0	17.0	296.0					
47102-582		2.0	18.7	26.0	11.0	80.0	2.5	16.0	38.0
1.0	0.5	129.0	38.0	108.0	25.0	1.0	2.0	2.5	18.0
10.0	10.0	5.0	581.0	65.0	32.0	19.0	116.0	2.5	9.0
15.0	85.0	5.0	13.0	99.0					
47102-583		3.0	15.0	15.0	19.0	103.0	2.5	13.0	85.0
0.6	0.5	267.0	48.0	83.0	25.0	1.0	2.0	2.5	16.0
10.0	10.0	5.0	579.0	49.0	27.0	14.0	64.0	2.5	8.0
15.0	44.0	5.0	9.0	110.0					
47102-584		9.0	18.1	26.0	32.0	118.0	2.5	19.0	101.0
0.7	0.5	227.0	51.0	89.0	25.0	1.0	2.0	2.5	17.0
10.0	10.0	5.0	607.0	51.0	27.0	14.0	145.0	2.5	8.0
15.0	46.0	5.0	10.0	106.0					
47102-585		55.0	19.5	44.0	37.0	112.0	2.5	28.0	70.0
1.1	1.0	215.0	34.0	155.0	25.0	1.0	2.0	2.5	18.0
10.0	10.0	5.0	523.0	66.0	33.0	48.0	63.0	2.5	12.0
38.0	109.0	5.0	20.0	208.0					
47102-586		18.0	15.8	43.0	23.0	130.0	2.5	19.0	54.0
0.7	1.0	153.0	104.0	90.0	25.0	1.0	2.0	2.5	18.0
10.0	10.0	53.0	858.0	70.0	34.0	12.0	81.0	2.5	7.0
15.0	72.0	5.0	13.0	80.0					
47102-587		7.0	12.6	26.0	12.0	83.0	2.5	15.0	48.0
0.7	0.5	215.0	58.0	95.0	25.0	1.0	2.0	2.5	16.0
10.0	10.0	18.0	660.0	63.0	30.0	19.0	66.0	2.5	8.0
15.0	87.0	5.0	13.0	109.0					
47102-588		8.0	14.6	119.0	16.0	127.0	2.5	24.0	58.0
1.5	0.5	221.0	39.0	139.0	25.0	1.0	2.0	2.5	16.0
10.0	10.0	17.0	360.0	198.0	81.0	29.0	25.0	2.5	12.0
15.0	117.0	11.0	21.0	163.0					
47102-589		6.0	12.4	127.0	14.0	116.0	2.5	21.0	60.0
1.4	0.5	298.0	40.0	131.0	25.0	1.0	2.0	2.5	16.0
10.0	10.0	148.0	340.0	159.0	67.0	32.0	79.0	2.5	10.0
15.0	105.0	5.0	18.0	154.0					
47102-590		0.5	13.7	43.0	16.0	88.0	2.5	15.0	73.0
0.9	0.5	194.0	54.0	96.0	25.0	1.0	2.0	2.5	18.0
10.0	10.0	5.0	1407.0	57.0	28.0	13.0	53.0	2.5	9.0
15.0	105.0	5.0	12.0	90.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-591		0.5	9.8	21.0	36.0	110.0	2.5	17.0	24.0
0.3	3.0	148.0	20.0	52.0	25.0	1.0	2.0	2.5	9.0
10.0	10.0	5.0	666.0	40.0	17.0	6.0	25.0	2.5	6.0
15.0	55.0	5.0	9.0	46.0					
47102-592		0.5	15.3	18.0	37.0	63.0	2.5	12.0	27.0
0.3	0.5	140.0	23.0	44.0	25.0	1.0	2.0	2.5	6.0
10.0	10.0	5.0	357.0	28.0	16.0	5.0	50.0	2.5	6.0
15.0	59.0	5.0	10.0	43.0					
47102-593		5.0	13.5	10.0	13.0	40.0	2.5	9.0	31.0
0.3	0.5	372.0	18.0	36.0	25.0	1.0	2.0	2.5	5.0
10.0	10.0	5.0	249.0	37.0	21.0	5.0	25.0	2.5	4.0
15.0	32.0	5.0	11.0	79.0					
47102-594		0.5	18.0	12.0	14.0	41.0	2.5	11.0	28.0
0.3	0.5	287.0	19.0	37.0	25.0	1.0	2.0	2.5	4.0
10.0	10.0	5.0	374.0	29.0	14.0	4.0	25.0	2.5	4.0
15.0	43.0	5.0	9.0	63.0					
47102-595		0.5	21.7	16.0	14.0	43.0	2.5	9.0	27.0
0.3	0.5	185.0	22.0	41.0	25.0	1.0	2.0	2.5	6.0
10.0	10.0	5.0	398.0	28.0	15.0	5.0	25.0	2.5	5.0
15.0	46.0	5.0	10.0	59.0					
47102-596		0.5	20.8	9.0	11.0	32.0	2.5	6.0	16.0
0.3	0.5	181.0	15.0	31.0	25.0	1.0	2.0	2.5	4.0
10.0	10.0	5.0	161.0	20.0	11.0	4.0	25.0	2.5	3.0
15.0	43.0	5.0	7.0	49.0					
47102-597		2.0	16.0	26.0	5.0	77.0	2.5	19.0	48.0
0.9	0.5	157.0	43.0	124.0	25.0	1.0	2.0	2.5	15.0
10.0	10.0	5.0	571.0	172.0	85.0	31.0	25.0	2.5	10.0
15.0	82.0	5.0	15.0	171.0					
47102-598		2.0	15.4	33.0	13.0	86.0	2.5	17.0	50.0
1.0	0.5	255.0	57.0	107.0	25.0	1.0	2.0	2.5	15.0
10.0	10.0	132.0	1043.0	130.0	53.0	28.0	72.0	2.5	9.0
15.0	103.0	5.0	17.0	175.0					
47102-599		242.0	34.2	8.0	5.0	122.0	2.5	54.0	5.0
17.7	2.0	87.0	7.0	298.5	25.0	1.0	2.0	2.5	25.0
10.0	10.0	301.0	27.0	177.0	196.0	749.5	25.0	43.5	10.0
143.5	15.0	78.0	65.0	3276.0					
47102-600		0.5	31.8	13.0	14.0	75.0	2.5	12.0	19.0
1.0	0.5	101.0	24.0	68.0	25.0	1.0	2.0	2.5	16.0
10.0	10.0	5.0	635.0	35.0	20.0	35.0	25.0	2.5	6.0
15.0	134.0	5.0	15.0	128.0					
47102-601		2.0	23.7	100.0	35.0	101.0	13.0	14.0	36.0
1.0	1.0	796.0	20.0	83.0	25.0	1.0	6.3	2.5	11.0
10.0	10.0	74.0	428.0	42.0	25.0	9.0	25.0	2.5	6.0
15.0	47.0	5.0	15.0	197.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-602		11.0	34.3	48.0	24.0	53.0	2.5	10.0	24.0
0.6	0.5	295.0	20.0	42.0	25.0	1.0	2.0	2.5	8.0
10.0	10.0	5.0	215.0	35.0	15.0	6.0	25.0	2.5	5.0
15.0	39.0	5.0	10.0	70.0					
47102-603		167.0	19.8	15.0	21.0	70.0	2.5	11.0	35.0
0.9	0.5	417.0	28.0	77.0	25.0	1.0	2.0	2.5	9.0
10.0	10.0	5.0	217.0	38.0	15.0	6.0	25.0	2.5	6.0
15.0	44.0	5.0	13.0	106.0					
47102-604		3.0	23.1	14.0	5.0	119.0	2.5	9.0	14.0
1.1	0.5	493.0	9.0	53.0	25.0	1.0	2.0	2.5	7.0
10.0	10.0	5.0	144.0	24.0	10.0	0.5	25.0	2.5	5.0
15.0	41.0	5.0	11.0	172.0					
47102-605		5.0	20.0	11.0	23.0	122.0	2.5	9.0	29.0
0.8	0.5	362.0	37.0	54.0	25.0	1.0	2.0	2.5	10.0
10.0	10.0	5.0	233.0	43.0	20.0	6.0	25.0	2.5	6.0
15.0	52.0	5.0	13.0	97.0					
47102-606		6.0	18.0	8.0	14.0	50.0	2.5	6.0	13.0
0.3	0.5	126.0	20.0	38.0	25.0	1.0	2.0	2.5	8.0
10.0	10.0	5.0	212.0	22.0	15.0	4.0	25.0	2.5	4.0
15.0	60.0	5.0	11.0	34.0					
47102-607		3.0	23.1	7.0	12.0	56.0	2.5	4.0	17.0
0.6	0.5	190.0	22.0	38.0	25.0	1.0	2.0	2.5	9.0
10.0	10.0	5.0	170.0	26.0	14.0	6.0	25.0	2.5	4.0
15.0	53.0	5.0	9.0	71.0					
47102-608		5.0	25.6	9.0	11.0	49.0	2.5	6.0	17.0
0.6	0.5	105.0	23.0	44.0	25.0	1.0	2.0	2.5	9.0
10.0	10.0	5.0	227.0	31.0	18.0	5.0	25.0	2.5	6.0
15.0	62.0	5.0	15.0	41.0					
47102-609		18.0	29.2	9.0	10.0	57.0	2.5	6.0	20.0
0.6	0.5	284.0	26.0	45.0	25.0	1.0	2.0	2.5	9.0
10.0	10.0	5.0	188.0	30.0	15.0	7.0	25.0	2.5	4.0
15.0	51.0	5.0	11.0	109.0					
47102-610A		127.0	20.1	12.0	16.0	51.0	2.5	7.0	15.0
0.5	0.5	135.0	24.0	42.0	25.0	1.0	2.0	2.5	9.0
10.0	10.0	5.0	235.0	21.0	12.0	5.0	25.0	2.5	5.0
15.0	67.0	5.0	9.0	40.0					
47102-610B		3.0	29.5	44.0	15.0	43.0	2.5	4.0	16.0
0.7	0.5	114.0	39.0	45.0	25.0	1.0	2.0	2.5	10.0
10.0	10.0	11.0	244.0	28.0	36.0	6.0	25.0	2.5	9.0
15.0	67.0	5.0	36.0	58.0					
47102-611		2.0	31.2	8.0	12.0	57.0	2.5	7.0	16.0
0.3	0.5	142.0	31.0	30.0	25.0	1.0	2.0	2.5	9.0
10.0	10.0	5.0	197.0	36.0	17.0	5.0	25.0	2.5	5.0
15.0	46.0	5.0	9.0	58.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-612		2.0	34.4	10.0	12.0	39.0	2.5	4.0	15.0
0.3	0.5	84.0	21.0	38.0	25.0	1.0	2.0	2.5	7.0
10.0	10.0	5.0	182.0	19.0	12.0	4.0	25.0	2.5	5.0
15.0	63.0	5.0	11.0	45.0					
47102-613		5.0	32.7	9.0	5.0	52.0	2.5	7.0	26.0
0.3	0.5	280.0	28.0	44.0	25.0	1.0	2.0	2.5	8.0
10.0	10.0	5.0	219.0	36.0	21.0	6.0	25.0	2.5	6.0
15.0	50.0	5.0	15.0	76.0					
47102-614		7.0	14.8	12.0	5.0	90.0	2.5	6.0	36.0
0.3	0.5	155.0	37.0	42.0	25.0	1.0	2.0	2.5	9.0
10.0	10.0	5.0	318.0	29.0	23.0	5.0	25.0	2.5	8.0
15.0	69.0	5.0	20.0	40.0					
47102-615		33.0	31.0	10.0	5.0	38.0	2.5	6.0	15.0
0.3	0.5	119.0	21.0	38.0	25.0	1.0	2.0	2.5	8.0
10.0	10.0	5.0	177.0	21.0	12.0	4.0	25.0	2.5	5.0
15.0	61.0	5.0	11.0	54.0					
47102-616		15.0	26.4	11.0	12.0	49.0	2.5	6.0	24.0
0.6	0.5	114.0	29.0	47.0	25.0	1.0	2.0	2.5	9.0
10.0	10.0	5.0	188.0	30.0	16.0	6.0	25.0	2.5	6.0
15.0	74.0	5.0	15.0	55.0					
47102-617		3.0	28.2	15.0	16.0	69.0	2.5	9.0	22.0
0.6	0.5	95.0	21.0	59.0	25.0	1.0	2.0	2.5	9.0
10.0	10.0	5.0	183.0	34.0	19.0	8.0	25.0	2.5	8.0
15.0	57.0	5.0	25.0	139.0					
47102-618		3.0	24.0	10.0	12.0	42.0	2.5	5.0	16.0
0.3	0.5	84.0	24.0	39.0	25.0	1.0	2.0	2.5	6.0
10.0	10.0	5.0	172.0	21.0	14.0	5.0	25.0	2.5	4.0
15.0	61.0	5.0	10.0	55.0					
47102-619		2.0	29.0	15.0	23.0	55.0	2.5	6.0	33.0
0.3	0.5	103.0	44.0	47.0	25.0	1.0	2.0	2.5	7.0
10.0	10.0	5.0	464.0	21.0	11.0	5.0	25.0	2.5	4.0
15.0	68.0	5.0	8.0	41.0					
47102-620		2.0	32.7	6.0	5.0	37.0	2.5	4.0	12.0
0.3	0.5	230.0	25.0	24.0	25.0	1.0	2.0	2.5	7.0
10.0	10.0	5.0	151.0	27.0	14.0	4.0	52.0	2.5	4.0
15.0	30.0	5.0	8.0	98.0					
47102-621		3.0	23.8	16.0	12.0	66.0	2.5	9.0	27.0
0.3	0.5	234.0	50.0	51.0	25.0	1.0	2.0	2.5	14.0
10.0	10.0	5.0	317.0	55.0	28.0	8.0	25.0	2.5	8.0
15.0	55.0	5.0	15.0	97.0					
47102-622		0.5	22.7	13.0	14.0	92.0	2.5	13.0	30.0
0.5	0.5	212.0	53.0	61.0	25.0	1.0	2.0	2.5	16.0
10.0	10.0	5.0	369.0	62.0	30.0	9.0	25.0	2.5	9.0
15.0	67.0	5.0	14.0	95.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-623		5.0	31.8	16.0	16.0	91.0	2.5	14.0	34.0
0.6	0.5	130.0	64.0	65.0	25.0	1.0	2.0	2.5	18.0
10.0	10.0	5.0	381.0	75.0	37.0	7.0	71.0	2.5	10.0
15.0	66.0	5.0	15.0	86.0					
47102-624		2.0	23.7	22.0	14.0	90.0	2.5	14.0	35.0
0.6	0.5	158.0	64.0	63.0	25.0	1.0	2.0	2.5	18.0
10.0	10.0	5.0	436.0	69.0	33.0	6.0	113.0	2.5	10.0
15.0	72.0	5.0	16.0	89.0					
47102-625		1.0	24.0	13.0	13.0	95.0	2.5	12.0	30.0
0.6	0.5	280.0	58.0	56.0	25.0	1.0	2.0	2.5	15.0
10.0	10.0	5.0	348.0	57.0	28.0	8.0	25.0	2.5	8.0
15.0	62.0	5.0	14.0	116.0					
47102-626		0.5	36.7	19.0	27.0	146.0	2.5	20.0	43.0
0.6	1.0	122.0	76.0	63.0	25.0	1.0	2.0	2.5	19.0
10.0	10.0	5.0	425.0	88.0	39.0	6.0	54.0	2.5	12.0
15.0	80.0	5.0	20.0	94.0					
47102-627		93.0	24.0	11.0	15.0	52.0	2.5	12.0	26.0
0.3	0.5	288.0	33.0	48.0	25.0	1.0	2.0	2.5	7.0
10.0	10.0	5.0	338.0	53.0	22.0	5.0	25.0	2.5	7.0
15.0	68.0	5.0	15.0	87.0					
47102-628		2.0	24.7	11.0	19.0	55.0	2.5	12.0	26.0
0.3	0.5	289.0	35.0	48.0	25.0	1.0	2.0	2.5	7.0
10.0	10.0	5.0	311.0	42.0	18.0	5.0	25.0	2.5	6.0
15.0	58.0	5.0	15.0	94.0					
47102-629		397.0	38.4	12.0	22.0	58.0	2.5	13.0	30.0
0.3	0.5	119.0	36.0	54.0	25.0	1.0	2.0	2.5	7.0
10.0	10.0	5.0	362.0	47.0	19.0	7.0	62.0	2.5	7.0
15.0	68.0	5.0	15.0	75.0					
47102-630		316.0	16.4	13.0	19.0	60.0	2.5	12.0	30.0
0.3	0.5	363.0	35.0	55.0	25.0	1.0	2.0	2.5	9.0
10.0	10.0	5.0	344.0	54.0	22.0	6.0	74.0	2.5	7.0
15.0	72.0	5.0	15.0	75.0					
47102-631		4.0	27.4	21.0	29.0	61.0	2.5	15.0	39.0
0.3	0.5	181.0	35.0	58.0	25.0	1.0	2.0	2.5	8.0
10.0	10.0	5.0	342.0	54.0	22.0	5.0	63.0	2.5	7.0
15.0	67.0	5.0	16.0	61.0					
47102-632		2.0	28.3	11.0	25.0	62.0	2.5	12.0	27.0
0.3	0.5	255.0	34.0	51.0	25.0	1.0	2.0	2.5	8.0
10.0	10.0	5.0	334.0	49.0	20.0	5.0	25.0	2.5	6.0
15.0	66.0	5.0	14.0	61.0					
47102-633		5.0	24.6	250.0	60.0	176.0	8.0	17.0	44.0
0.7	2.0	336.0	20.0	72.0	25.0	1.0	2.0	2.5	10.0
10.0	10.0	22.0	485.0	45.0	22.0	6.0	25.0	2.5	7.0
15.0	72.0	5.0	16.0	101.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-634		3.0	25.2	15.0	14.0	63.0	2.5	5.0	18.0
0.3	0.5	133.0	33.0	39.0	25.0	1.0	2.0	2.5	4.0
10.0	10.0	5.0	257.0	22.0	14.0	4.0	25.0	2.5	4.0
15.0	70.0	5.0	12.0	50.0					
47102-635		1199.0	21.6	13.0	27.0	63.0	2.5	7.0	25.0
0.3	0.5	176.0	36.0	47.0	25.0	1.0	2.0	2.5	8.0
10.0	10.0	5.0	278.0	41.0	22.0	6.0	25.0	2.5	6.0
15.0	72.0	5.0	16.0	83.0					
47102-636		12.0	18.3	11.0	24.0	59.0	2.5	6.0	21.0
0.3	0.5	162.0	30.0	39.0	25.0	1.0	2.0	2.5	6.0
10.0	10.0	5.0	283.0	26.0	16.0	4.0	25.0	2.5	4.0
15.0	65.0	5.0	11.0	49.0					
47102-637		3.0	22.1	17.0	26.0	72.0	2.5	14.0	44.0
0.3	0.5	375.0	49.0	68.0	25.0	1.0	2.0	2.5	10.0
10.0	10.0	5.0	329.0	48.0	23.0	6.0	25.0	2.5	9.0
15.0	64.0	5.0	16.0	121.0					
47102-638		2.0	18.0	15.0	11.0	66.0	2.5	6.0	15.0
0.3	0.5	119.0	41.0	46.0	25.0	1.0	2.0	2.5	8.0
10.0	10.0	5.0	340.0	28.0	18.0	6.0	25.0	2.5	6.0
15.0	81.0	5.0	15.0	56.0					
47102-639		2.0	19.6	24.0	17.0	78.0	2.5	6.0	16.0
0.7	0.5	176.0	25.0	38.0	25.0	1.0	2.0	2.5	9.0
10.0	10.0	5.0	343.0	28.0	13.0	5.0	25.0	2.5	5.0
15.0	68.0	5.0	9.0	40.0					
47102-640		3.0	26.0	70.0	193.0	115.0	2.5	10.0	44.0
0.3	4.0	117.0	37.0	59.0	25.0	1.0	2.0	2.5	11.0
10.0	10.0	5.0	431.0	43.0	36.0	6.0	80.0	2.5	14.0
15.0	86.0	5.0	39.0	68.0					
47102-641		77.0	25.5	20.0	15.0	25.0	2.5	2.0	6.0
0.3	0.5	195.0	19.0	30.0	25.0	7.0	2.0	2.5	4.0
10.0	10.0	5.0	111.0	12.0	7.0	4.0	25.0	2.5	2.0
15.0	58.0	5.0	5.0	47.0					
47102-642		3.0	27.0	12.0	17.0	64.0	2.5	11.0	40.0
0.3	0.5	302.0	37.0	53.0	25.0	1.0	2.0	2.5	10.0
10.0	10.0	5.0	250.0	47.0	23.0	6.0	25.0	2.5	7.0
15.0	55.0	5.0	15.0	106.0					
47102-643		190.0	11.1	14.0	16.0	58.0	2.5	10.0	38.0
0.5	0.5	577.0	26.0	51.0	25.0	1.0	2.0	2.5	10.0
10.0	10.0	5.0	227.0	50.0	24.0	6.0	25.0	2.5	6.0
15.0	55.0	5.0	15.0	145.0					
47102-644		561.0	39.0	17.0	17.0	91.0	2.5	13.0	17.0
0.3	2.0	443.0	22.0	226.0	25.0	1.0	2.0	8.0	18.0
10.0	10.0	5.0	428.0	99.0	46.0	5.0	25.0	2.5	10.0
15.0	86.0	5.0	63.0	774.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-645		1.0	25.2	25.0	20.0	75.0	2.5	15.0	47.0
0.8	0.5	109.0	35.0	60.0	25.0	1.0	2.0	2.5	14.0
10.0	10.0	5.0	440.0	51.0	25.0	8.0	25.0	2.5	9.0
15.0	87.0	5.0	17.0	89.0					
47102-646		0.5	36.9	17.0	15.0	64.0	2.5	12.0	20.0
0.3	0.5	166.0	31.0	96.0	25.0	1.0	2.0	2.5	16.0
10.0	10.0	5.0	591.0	73.0	37.0	27.0	25.0	2.5	9.0
15.0	148.0	5.0	34.0	326.0					
47102-647		0.5	32.1	15.0	14.0	76.0	2.5	12.0	16.0
0.9	0.5	413.0	27.0	175.0	25.0	1.0	2.0	2.5	18.0
10.0	10.0	5.0	299.0	108.0	53.0	21.0	75.0	2.5	9.0
31.0	88.0	5.0	55.0	961.0					
47102-648		0.5	27.8	17.0	15.0	70.0	2.5	9.0	21.0
0.7	0.5	215.0	34.0	91.0	25.0	1.0	2.0	2.5	16.0
10.0	10.0	5.0	407.0	70.0	37.0	31.0	61.0	2.5	9.0
15.0	137.0	5.0	36.0	423.0					
47102-649		0.5	28.2	17.0	21.0	71.0	2.5	13.0	43.0
0.3	0.5	142.0	57.0	60.0	25.0	1.0	2.0	2.5	9.0
10.0	10.0	5.0	343.0	38.0	22.0	7.0	83.0	2.5	6.0
15.0	75.0	5.0	14.0	74.0					
47102-650		19.0	15.1	8.0	5.0	25.0	2.5	4.0	7.0
0.3	0.5	189.0	20.0	42.0	25.0	3.0	2.0	2.5	6.0
10.0	10.0	5.0	138.0	23.0	14.0	6.0	25.0	2.5	3.0
15.0	52.0	5.0	6.0	75.0					
47102-651		0.5	20.9	27.0	36.0	78.0	2.5	13.0	40.0
0.6	0.5	95.0	41.0	64.0	25.0	1.0	2.0	2.5	10.0
10.0	10.0	5.0	569.0	44.0	21.0	8.0	25.0	2.5	7.0
15.0	88.0	5.0	16.0	81.0					
47102-652		3.0	17.5	19.0	21.0	76.0	2.5	13.0	36.0
0.6	0.5	114.0	41.0	58.0	25.0	1.0	2.0	2.5	11.0
10.0	10.0	5.0	460.0	53.0	25.0	7.0	25.0	2.5	7.0
15.0	83.0	5.0	16.0	63.0					
47102-653		0.5	19.5	10.0	12.0	58.0	2.5	6.0	27.0
0.3	0.5	103.0	25.0	42.0	25.0	1.0	2.0	2.5	7.0
10.0	10.0	5.0	316.0	24.0	21.0	6.0	25.0	2.5	5.0
15.0	73.0	5.0	11.0	49.0					
47102-654		0.5	13.3	13.0	18.0	74.0	2.5	9.0	29.0
0.3	0.5	121.0	33.0	53.0	25.0	1.0	2.0	2.5	9.0
10.0	10.0	5.0	320.0	30.0	20.0	6.0	25.0	2.5	5.0
15.0	81.0	5.0	11.0	53.0					
47102-655		0.5	22.0	13.0	17.0	53.0	2.5	16.0	34.0
0.6	0.5	178.0	46.0	58.0	25.0	1.0	2.0	2.5	10.0
10.0	10.0	5.0	447.0	52.0	20.0	8.0	73.0	2.5	6.0
15.0	67.0	5.0	14.0	87.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-656		0.5	28.1	14.0	13.0	71.0	2.5	11.0	33.0
0.3	0.5	109.0	32.0	51.0	25.0	1.0	2.0	2.5	8.0
10.0	10.0	5.0	378.0	36.0	20.0	6.0	81.0	2.5	5.0
15.0	76.0	5.0	12.0	56.0					
47102-657		0.5	24.0	9.0	14.0	41.0	2.5	8.0	22.0
0.3	0.5	196.0	41.0	41.0	25.0	1.0	2.0	2.5	7.0
10.0	10.0	5.0	333.0	28.0	15.0	6.0	25.0	2.5	5.0
15.0	64.0	5.0	10.0	67.0					
47102-658		0.5	23.1	164.0	37.0	131.0	6.0	12.0	35.0
0.6	2.0	273.0	23.0	44.0	25.0	1.0	2.0	2.5	7.0
10.0	10.0	5.0	326.0	29.0	17.0	6.0	25.0	2.5	5.0
15.0	52.0	5.0	11.0	68.0					
47102-659		3.0	20.9	18.0	13.0	148.0	2.5	19.0	70.0
0.8	0.5	131.0	77.0	96.0	25.0	1.0	2.0	2.5	13.0
10.0	10.0	5.0	600.0	39.0	19.0	10.0	92.0	2.5	9.0
15.0	86.0	5.0	14.0	133.0					
47102-660		0.5	20.6	16.0	15.0	92.0	2.5	13.0	24.0
0.6	0.5	104.0	48.0	73.0	25.0	1.0	2.0	2.5	10.0
10.0	10.0	5.0	541.0	29.0	17.0	8.0	25.0	2.5	7.0
15.0	124.0	5.0	13.0	86.0					
47102-661		4.0	12.2	11.0	11.0	72.0	2.5	14.0	31.0
0.7	0.5	198.0	68.0	119.0	25.0	1.0	2.0	2.5	9.0
10.0	10.0	5.0	756.0	23.0	14.0	11.0	25.0	2.5	9.0
15.0	145.0	5.0	12.0	149.0					
47102-662		0.5	19.9	21.0	21.0	82.0	2.5	17.0	26.0
1.0	1.0	76.0	48.0	85.0	25.0	1.0	2.0	2.5	13.0
10.0	10.0	5.0	685.0	43.0	19.0	10.0	99.0	2.5	9.0
15.0	116.0	5.0	17.0	119.0					
47102-663		0.5	17.5	13.0	12.0	84.0	2.5	15.0	35.0
0.8	0.5	154.0	54.0	99.0	25.0	1.0	2.0	2.5	11.0
10.0	10.0	5.0	782.0	30.0	17.0	11.0	25.0	2.5	8.0
15.0	123.0	5.0	13.0	110.0					
47102-664		0.5	22.9	19.0	19.0	92.0	2.5	15.0	30.0
0.8	0.5	92.0	48.0	79.0	25.0	1.0	2.0	2.5	12.0
10.0	10.0	5.0	743.0	41.0	19.0	9.0	54.0	2.5	8.0
15.0	120.0	5.0	16.0	101.0					
47102-665		0.5	19.5	14.0	5.5	97.0	2.5	7.5	37.0
0.3	0.5	171.0	52.0	78.5	25.0	1.0	2.0	6.0	4.5
10.0	10.0	5.0	923.0	11.5	17.0	5.5	61.0	2.5	10.0
15.0	139.0	5.0	14.0	135.0					
47102-666		0.5	19.8	23.0	21.0	144.0	2.5	21.0	32.0
0.8	0.5	85.0	37.0	122.0	25.0	1.0	2.0	2.5	13.0
10.0	10.0	5.0	1876.0	38.0	20.0	10.0	100.0	2.5	10.0
15.0	140.0	5.0	16.0	116.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-667		0.5	19.4	16.0	17.0	81.0	2.5	16.0	36.0
0.9	0.5	162.0	47.0	112.0	25.0	1.0	2.0	2.5	10.0
10.0	10.0	5.0	625.0	33.0	18.0	11.0	25.0	2.5	9.0
15.0	113.0	5.0	14.0	121.0					
47102-668		1.0	19.5	24.0	13.0	85.0	2.5	14.0	76.0
0.9	0.5	176.0	49.0	82.0	25.0	1.0	2.0	2.5	18.0
10.0	10.0	27.0	714.0	48.0	26.0	11.0	69.0	2.5	8.0
15.0	61.0	5.0	11.0	74.0					
47102-669		0.5	20.0	21.0	11.0	89.0	2.5	14.0	57.0
1.4	0.5	190.0	52.0	96.0	25.0	1.0	2.0	2.5	19.0
10.0	10.0	5.0	558.0	459.0	182.0	17.0	102.0	2.5	9.0
15.0	56.0	5.0	17.0	89.0					
47102-670		45.0	3.7	31.0	12.0	97.0	2.5	16.0	51.0
1.0	1.0	242.0	67.0	99.0	25.0	1.0	2.0	2.5	19.0
10.0	10.0	5.0	722.0	49.0	25.0	13.0	25.0	2.5	9.0
15.0	131.0	5.0	13.0	82.0					
47102-671		7.0	10.8	31.0	17.0	92.0	2.5	16.0	79.0
1.1	0.5	303.0	56.0	93.0	25.0	1.0	2.0	2.5	18.0
10.0	10.0	12.0	1154.0	171.0	68.0	14.0	25.0	2.5	9.0
15.0	61.0	5.0	14.0	97.0					
47102-672		0.5	23.8	20.0	15.0	106.0	2.5	15.0	72.0
0.8	0.5	154.0	58.0	91.0	25.0	1.0	2.0	2.5	18.0
10.0	10.0	35.0	570.0	62.0	30.0	12.0	70.0	2.5	9.0
15.0	52.0	5.0	11.0	91.0					
47102-673		31.0	15.5	27.0	40.0	126.0	2.5	17.0	95.0
0.8	0.5	267.0	44.0	82.0	25.0	1.0	2.0	2.5	16.0
10.0	10.0	5.0	544.0	45.0	24.0	13.0	123.0	2.5	8.0
15.0	42.0	5.0	10.0	103.0					
47102-674		2.0	7.7	4.0	5.0	68.0	2.5	6.0	59.0
0.7	0.5	319.0	35.0	67.0	25.0	1.0	2.0	2.5	15.0
10.0	10.0	5.0	598.0	49.0	27.0	11.0	119.0	2.5	7.0
15.0	47.0	5.0	8.0	80.0					
47102-675		6.0	11.9	32.0	15.0	95.0	2.5	16.0	50.0
0.9	1.0	141.0	64.0	101.0	25.0	1.0	2.0	2.5	19.0
10.0	10.0	352.0	810.0	45.0	25.0	10.0	83.0	2.5	8.0
15.0	129.0	5.0	11.0	85.0					
47102-676		0.5	23.2	23.0	12.0	92.0	2.5	16.0	56.0
0.8	0.5	129.0	71.0	100.0	25.0	1.0	2.0	2.5	18.0
10.0	10.0	5.0	1713.0	46.0	25.0	11.0	25.0	2.5	8.0
15.0	125.0	5.0	12.0	79.0					
47102-677		0.5	14.8	19.0	14.0	107.0	2.5	16.0	59.0
0.9	1.0	169.0	56.0	84.0	25.0	1.0	2.0	2.5	17.0
10.0	10.0	5.0	593.0	90.0	40.0	11.0	59.0	2.5	8.0
15.0	43.0	5.0	10.0	79.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-678		0.5	18.6	40.0	14.0	138.0	2.5	15.0	66.0
1.0	0.5	158.0	52.0	89.0	25.0	1.0	2.0	2.5	18.0
10.0	10.0	16.0	1414.0	51.0	26.0	12.0	81.0	2.5	9.0
15.0	100.0	5.0	12.0	81.0					
47102-679		2.0	13.5	110.0	16.0	89.0	2.5	17.0	62.0
1.4	0.5	494.0	44.0	102.0	25.0	1.0	2.0	2.5	18.0
10.0	10.0	115.0	3648.0	119.0	52.0	21.0	83.0	2.5	9.0
15.0	140.0	5.0	14.0	125.0					
47102-680		0.5	17.3	29.0	17.0	90.0	2.5	16.0	69.0
0.9	0.5	199.0	52.0	89.0	25.0	1.0	2.0	2.5	19.0
10.0	10.0	107.0	2750.0	52.0	28.0	12.0	25.0	2.5	9.0
15.0	111.0	5.0	11.0	91.0					
47102-681		0.5	15.8	19.0	21.0	59.0	2.5	14.0	29.0
0.8	0.5	132.0	20.0	53.0	25.0	1.0	2.0	2.5	14.0
10.0	10.0	5.0	488.0	43.0	27.0	7.0	95.0	2.5	7.0
15.0	58.0	5.0	20.0	51.0					
47102-682		0.5	17.3	13.0	33.0	61.0	2.5	9.0	22.0
0.6	0.5	126.0	21.0	44.0	25.0	1.0	2.0	2.5	10.0
10.0	10.0	5.0	324.0	29.0	16.0	6.0	79.0	2.5	5.0
15.0	49.0	5.0	10.0	45.0					
47102-683		0.5	19.9	17.0	27.0	65.0	2.5	11.0	28.0
0.6	0.5	142.0	23.0	52.0	25.0	1.0	2.0	2.5	11.0
10.0	10.0	5.0	311.0	36.0	18.0	7.0	133.0	2.5	6.0
15.0	45.0	5.0	12.0	61.0					
47102-684		0.5	16.2	12.0	12.0	41.0	2.5	7.0	17.0
0.9	0.5	128.0	22.0	38.0	25.0	1.0	2.0	2.5	10.0
10.0	10.0	5.0	530.0	22.0	11.0	5.0	117.0	2.5	4.0
15.0	55.0	5.0	8.0	36.0					
47102-685		0.5	13.7	26.0	27.0	85.0	2.5	18.0	34.0
1.1	0.5	122.0	44.0	68.0	25.0	1.0	2.0	2.5	14.0
10.0	10.0	5.0	379.0	40.0	18.0	8.0	88.0	2.5	9.0
15.0	83.0	5.0	14.0	69.0					
47102-686		0.5	24.3	9.0	5.0	32.0	2.5	7.0	20.0
0.7	0.5	113.0	16.0	38.0	25.0	1.0	2.0	2.5	9.0
10.0	10.0	5.0	172.0	24.0	12.0	5.0	25.0	2.5	4.0
15.0	47.0	5.0	7.0	45.0					
47102-687		47.0	30.8	10.0	5.0	59.0	2.5	5.5	14.0
0.8	0.5	77.0	21.0	46.5	25.0	1.0	2.0	2.5	11.5
10.0	10.0	5.0	499.0	49.5	60.0	56.0	94.0	2.5	9.0
15.0	274.0	5.0	27.0	535.0					
47102-688		0.5	10.9	30.0	21.0	121.0	2.5	21.0	58.0
2.1	0.5	179.0	52.0	111.0	25.0	1.0	2.0	2.5	27.0
10.0	10.0	5.0	636.0	495.0	229.0	23.0	151.0	2.5	11.0
15.0	83.0	5.0	21.0	120.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-689		0.5	22.0	26.0	5.0	79.0	2.5	18.0	30.0
1.7	0.5	124.0	26.0	135.0	25.0	1.0	2.0	2.5	25.0
10.0	10.0	5.0	551.0	63.0	35.0	47.0	134.0	2.5	12.0
15.0	163.0	5.0	21.0	283.0					
47102-690		72.0	25.2	75.0	5.0	112.0	2.5	16.0	45.0
0.3	0.5	149.0	26.0	120.0	25.0	1.0	2.0	7.0	12.0
10.0	10.0	10.0	387.0	28.0	29.0	15.5	57.0	2.5	20.0
15.0	121.0	5.0	28.0	195.0					
47102-691		156.0	31.2	15.0	5.0	82.0	2.5	12.0	12.0
2.0	2.0	91.0	15.0	76.5	25.0	1.0	2.0	2.5	13.5
10.0	10.0	29.0	511.0	95.5	95.0	117.5	25.0	2.5	15.0
24.5	228.0	14.0	65.0	1832.0					
47102-692		566.0	20.9	13.0	5.0	116.0	6.0	8.0	15.0
0.8	1.0	1372.0	17.0	211.5	25.0	1.0	2.0	2.5	14.0
10.0	10.0	41.0	361.0	68.5	72.0	162.5	119.0	2.5	9.0
15.0	61.0	32.0	75.0	1755.0					
47102-693		0.5	34.9	6.0	5.0	74.0	2.5	9.0	16.0
1.5	0.5	82.0	32.0	75.0	25.0	1.0	2.0	2.5	23.0
10.0	10.0	5.0	797.0	56.0	29.0	35.0	176.0	2.5	8.0
15.0	114.0	5.0	17.0	252.0					
47102-694		0.5	21.9	7.0	5.0	88.0	2.5	12.0	18.0
1.5	1.0	97.0	30.0	85.0	25.0	1.0	2.0	2.5	22.0
10.0	10.0	5.0	672.0	57.0	30.0	41.0	135.0	2.5	9.0
15.0	150.0	5.0	20.0	185.0					
47102-695		0.5	20.3	8.0	5.0	100.0	2.5	14.0	20.0
1.4	0.5	115.0	30.0	98.0	25.0	1.0	2.0	2.5	23.0
10.0	10.0	5.0	586.0	78.0	43.0	56.0	83.0	2.5	11.0
15.0	176.0	5.0	27.0	445.0					
47102-696		9.0	14.8	6.0	5.0	75.0	2.5	11.0	19.0
1.4	0.5	112.0	27.0	75.0	25.0	1.0	2.0	2.5	22.0
10.0	10.0	5.0	531.0	58.0	29.0	27.0	127.0	2.5	9.0
15.0	95.0	5.0	19.0	162.0					
47102-697		0.5	24.8	17.0	5.0	86.0	2.5	14.0	20.0
1.4	0.5	105.0	27.0	114.0	25.0	1.0	2.0	2.5	221.0
10.0	10.0	5.0	1299.0	65.0	34.0	68.0	151.0	2.5	10.0
15.0	140.0	5.0	28.0	404.0					
47102-698		0.5	20.7	11.0	12.0	102.0	2.5	12.0	19.0
1.4	0.5	97.0	48.0	87.0	25.0	1.0	2.0	2.5	22.0
10.0	10.0	5.0	764.0	56.0	28.0	21.0	158.0	2.5	9.0
15.0	78.0	5.0	14.0	127.0					
47102-699		0.5	16.9	7.0	10.0	79.0	2.5	12.0	19.0
1.3	0.5	105.0	28.0	81.0	25.0	1.0	2.0	2.5	21.0
10.0	10.0	5.0	603.0	53.0	27.0	30.0	114.0	2.5	8.0
15.0	123.0	5.0	17.0	158.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-701		2.0	16.1	17.0	5.0	60.0	2.5	11.0	16.0
1.1	0.5	155.0	26.0	98.0	25.0	1.0	2.0	2.5	17.0
10.0	10.0	5.0	312.0	59.0	39.0	100.0	154.0	2.5	6.0
15.0	86.0	5.0	31.0	478.0					
47102-702		686.0	38.0	13.0	12.0	57.0	2.5	9.0	14.0
0.8	0.5	90.0	25.0	83.0	25.0	1.0	2.0	2.5	15.0
10.0	10.0	11.0	287.0	51.0	36.0	83.0	112.0	2.5	6.0
15.0	82.0	5.0	30.0	362.0					
47102-703		0.5	27.5	13.0	5.5	68.0	5.0	3.5	12.0
0.3	1.0	115.0	22.0	79.0	25.0	1.0	2.0	2.5	7.0
10.0	10.0	29.0	240.0	44.5	53.0	88.0	58.0	2.5	6.0
16.0	90.0	10.0	56.0	1075.0					
47102-704		1.0	24.4	13.0	8.0	73.0	10.0	5.5	10.0
0.3	0.5	136.0	19.0	90.0	25.0	1.0	2.0	2.5	7.0
10.0	10.0	40.0	187.0	44.5	51.0	86.5	131.0	2.5	6.0
15.0	72.0	17.0	57.0	896.0					
47102-705		102.0	27.8	32.0	17.0	98.0	2.5	20.0	46.0
0.9	0.5	111.0	72.0	83.0	25.0	1.0	2.0	2.5	19.0
10.0	10.0	5.0	742.0	50.0	30.0	18.0	68.0	2.5	6.0
15.0	67.0	5.0	13.0	98.0					
47102-706		1.0	28.5	14.0	5.0	76.0	6.0	6.0	10.0
0.3	0.5	121.0	20.0	101.0	25.0	1.0	2.0	2.5	7.0
10.0	10.0	38.0	215.0	54.5	62.0	115.5	67.0	2.5	9.0
16.0	85.0	23.0	68.0	1041.0					
47102-707		1.0	39.2	18.0	6.0	95.0	9.0	4.5	10.0
0.3	0.5	121.0	15.0	110.0	25.0	1.0	2.0	7.0	7.0
10.0	10.0	103.0	141.0	68.5	74.0	133.0	76.0	2.5	10.0
18.5	55.0	22.0	100.0	1331.0					
47102-708		1.0	31.6	15.0	7.0	78.0	10.0	4.5	10.0
0.3	2.0	114.0	17.0	91.5	25.0	1.0	2.0	10.0	6.5
10.0	10.0	15.0	177.0	56.0	63.0	118.0	73.0	2.5	9.0
15.0	77.0	24.0	80.0	1087.0					
47102-709		3.0	53.3	18.0	28.0	125.0	6.0	15.0	29.0
0.8	0.5	86.0	71.0	64.0	52.0	1.0	2.0	2.5	15.0
10.0	10.0	5.0	572.0	49.0	26.0	12.0	95.0	15.0	6.0
15.0	72.0	5.0	12.0	87.0					
47102-711		3.0	25.0	10.0	14.0	39.0	2.5	6.0	15.0
0.3	0.5	119.0	24.0	37.0	25.0	1.0	2.0	2.5	6.0
10.0	10.0	5.0	238.0	17.0	11.0	4.0	102.0	2.5	4.0
15.0	65.0	5.0	8.0	39.0					
47102-712		2.0	17.8	11.0	15.0	39.0	2.5	6.0	16.0
0.3	0.5	115.0	24.0	38.0	25.0	1.0	2.0	2.5	7.0
10.0	10.0	5.0	279.0	18.0	11.0	4.0	74.0	2.5	4.0
15.0	78.0	5.0	8.0	40.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-713		1.0	14.7	11.0	15.0	37.0	2.5	6.0	17.0
0.3	0.5	131.0	24.0	38.0	25.0	1.0	2.0	2.5	6.0
10.0	10.0	5.0	250.0	17.0	11.0	4.0	84.0	2.5	4.0
15.0	67.0	5.0	8.0	39.0					
47102-714		1.0	22.2	12.0	16.0	42.0	2.5	7.0	18.0
0.3	0.5	107.0	27.0	45.0	25.0	1.0	2.0	2.5	7.0
10.0	10.0	5.0	293.0	18.0	12.0	4.0	63.0	2.5	5.0
15.0	78.0	5.0	9.0	44.0					
47102-715		1.0	28.5	12.0	18.0	41.0	2.5	9.0	16.0
0.7	0.5	84.0	23.0	51.0	25.0	1.0	2.0	2.5	7.0
10.0	10.0	5.0	237.0	19.0	12.0	11.0	123.0	2.5	5.0
15.0	69.0	5.0	10.0	77.0					
47102-716		4.0	49.1	21.0	5.0	77.0	2.5	2.5	12.0
0.3	0.5	107.0	19.0	104.0	25.0	1.0	2.0	7.0	6.5
10.0	10.0	44.0	223.0	68.0	79.0	134.0	86.0	2.5	12.0
15.0	86.0	12.0	95.0	1445.0					
47102-717		1.0	30.2	11.0	5.0	68.0	2.5	4.5	14.0
0.6	0.5	215.0	28.0	77.0	25.0	1.0	2.0	2.5	8.0
10.0	10.0	5.0	378.0	38.0	39.0	76.0	183.0	2.5	6.0
15.0	70.0	5.0	51.0	679.0					
47102-718		12.0	49.7	12.0	5.5	135.0	16.0	21.0	7.0
6.9	2.0	226.0	10.0	263.5	25.0	1.0	2.0	2.5	18.0
10.0	10.0	118.0	278.0	64.0	74.0	349.0	125.0	9.5	9.0
64.5	24.0	55.0	105.0	3584.0					
47102-719		1.0	25.1	14.0	5.0	128.0	6.0	14.0	9.0
4.5	2.0	314.0	11.0	255.5	25.0	1.0	2.0	2.5	14.0
10.0	10.0	86.0	175.0	58.5	63.0	278.0	161.0	2.5	6.0
44.0	30.0	40.0	88.0	2777.0					
47102-720		3.0	26.9	22.0	6.5	85.0	7.0	4.0	15.0
0.3	1.0	177.0	17.0	120.5	25.0	1.0	2.0	13.0	7.0
10.0	10.0	22.0	424.0	54.0	60.0	129.5	67.0	2.5	10.0
15.0	74.0	24.0	75.0	1304.0					
47102-721		1.0	24.5	15.0	5.0	108.0	2.5	9.5	8.0
2.4	0.5	217.0	13.0	206.0	25.0	1.0	2.0	2.5	11.5
10.0	10.0	46.0	322.0	58.5	59.0	202.5	148.0	2.5	9.0
19.0	47.0	23.0	91.0	2433.0					
47102-722		0.5	15.6	18.0	18.0	80.0	2.5	15.0	33.0
0.9	0.5	171.0	44.0	62.0	25.0	1.0	2.0	2.5	15.0
10.0	10.0	5.0	2837.0	54.0	27.0	17.0	114.0	2.5	6.0
15.0	76.0	5.0	17.0	132.0					
47102-723		2.0	13.6	20.0	26.0	83.0	6.0	15.0	32.0
1.1	1.0	185.0	60.0	63.0	25.0	1.0	2.0	2.5	17.0
10.0	10.0	5.0	432.0	55.0	24.0	16.0	92.0	10.0	8.0
15.0	59.0	5.0	14.0	121.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-724		1.0	20.9	36.0	9.0	71.0	2.5	6.0	16.0
0.6	0.5	158.0	29.0	72.5	25.0	1.0	2.0	2.5	8.5
10.0	10.0	24.0	910.0	47.0	49.0	81.5	131.0	2.5	10.0
15.0	114.0	16.0	56.0	955.0					
47102-725		1.0	16.4	25.0	16.0	106.0	2.5	22.0	51.0
1.5	0.5	217.0	63.0	81.0	25.0	1.0	2.0	2.5	21.0
10.0	10.0	5.0	1986.0	74.0	36.0	21.0	179.0	2.5	9.0
15.0	79.0	5.0	17.0	115.0					
47102-726		2.0	37.1	18.0	6.5	73.0	9.0	5.5	18.0
0.3	0.5	125.0	24.0	95.5	25.0	1.0	2.0	11.0	8.0
10.0	10.0	29.0	560.0	43.5	47.0	109.0	96.0	2.5	10.0
20.5	87.0	25.0	63.0	1114.0					
47102-727		1.0	14.3	15.0	5.0	102.0	6.0	5.5	12.0
0.4	0.5	289.0	14.0	170.0	25.0	1.0	2.0	2.5	7.5
10.0	10.0	19.0	227.0	63.0	63.0	101.0	128.0	2.5	9.0
15.0	50.0	5.0	89.0	1663.0					
47102-728		4.0	15.8	17.0	5.0	72.0	2.5	11.0	32.0
1.6	0.5	144.0	39.0	56.0	25.0	1.0	2.0	2.5	19.0
10.0	10.0	5.0	539.0	35.0	17.0	17.0	184.0	2.5	6.0
15.0	59.0	5.0	11.0	99.0					
47102-729		7.0	20.4	18.0	5.0	61.0	2.5	10.0	28.0
1.0	0.5	254.0	33.0	81.0	25.0	1.0	2.0	2.5	16.0
10.0	10.0	5.0	492.0	37.0	21.0	42.0	194.0	2.5	8.0
15.0	145.0	5.0	19.0	191.0					
47102-730		3.0	8.5	25.0	5.0	77.0	2.5	16.0	48.0
1.3	0.5	877.0	46.0	63.0	25.0	1.0	2.0	2.5	15.0
10.0	10.0	5.0	5591.0	45.0	22.0	11.0	138.0	2.5	6.0
15.0	91.0	5.0	11.0	94.0					
47102-731		2.0	21.0	21.0	5.0	92.0	2.5	3.0	15.0
0.3	0.5	335.0	20.0	127.0	25.0	1.0	2.0	9.0	6.0
10.0	10.0	23.0	538.0	46.5	50.0	125.5	127.0	2.5	9.0
15.0	84.0	10.0	65.0	1385.0					
47102-732		4.0	11.3	21.0	35.0	204.0	2.5	16.0	32.0
1.8	1.0	607.0	45.0	49.0	25.0	1.0	2.0	2.5	21.0
10.0	10.0	5.0	4503.0	61.0	26.0	12.0	25.0	2.5	7.0
15.0	104.0	5.0	28.0	115.0					
47102-733		0.5	19.6	12.0	13.0	69.0	2.5	12.0	21.0
2.1	1.0	252.0	33.0	103.0	25.0	1.0	2.0	2.5	23.0
10.0	10.0	11.0	423.0	82.0	39.0	87.0	25.0	2.5	9.0
15.0	85.0	5.0	37.0	453.0					
47102-734		0.5	12.5	43.0	21.0	134.0	2.5	26.0	65.0
1.9	1.0	222.0	65.0	95.0	25.0	1.0	2.0	2.5	24.0
10.0	10.0	5.0	1933.0	83.0	38.0	19.0	64.0	2.5	12.0
15.0	109.0	5.0	18.0	126.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-735		0.5	19.0	12.0	13.0	68.0	2.5	12.0	24.0
1.7	0.5	266.0	37.0	50.0	25.0	1.0	2.0	2.5	19.0
10.0	10.0	5.0	1654.0	98.0	45.0	15.0	25.0	2.5	7.0
15.0	77.0	5.0	31.0	222.0					
47102-736		3.0	13.1	28.0	18.0	77.0	2.5	15.0	36.0
1.8	0.5	348.0	42.0	66.0	25.0	1.0	2.0	2.5	22.0
10.0	10.0	5.0	1358.0	64.0	29.0	12.0	25.0	2.5	10.0
15.0	63.0	5.0	15.0	124.0					
47102-737		59.0	28.3	13.0	5.0	97.0	2.5	6.0	16.0
0.8	1.0	492.0	22.0	150.0	25.0	1.0	2.0	2.5	12.0
10.0	10.0	12.0	488.0	53.0	46.0	23.0	50.0	2.5	9.0
15.0	82.0	5.0	66.0	922.0					
47102-738		685.0	31.3	12.0	6.0	120.0	2.5	7.0	11.0
0.9	2.0	750.0	13.0	169.5	25.0	1.0	2.0	6.0	11.5
10.0	10.0	5.0	606.0	86.5	75.0	14.5	25.0	2.5	10.0
23.0	43.0	5.0	95.0	1878.0					
47102-739		190.0	19.0	18.0	7.0	121.0	2.5	6.0	21.0
0.7	1.0	338.0	30.0	107.0	25.0	1.0	2.0	2.5	11.0
10.0	10.0	11.0	634.0	46.5	45.0	75.0	25.0	2.5	9.0
15.0	121.0	20.0	49.0	625.0					
47102-740		2.0	21.3	20.0	6.0	110.0	2.5	7.0	15.0
0.4	2.0	571.0	15.0	187.5	25.0	1.0	2.0	9.0	11.0
10.0	10.0	24.0	832.0	70.0	64.0	67.0	25.0	2.5	10.0
15.0	64.0	5.0	84.0	1511.0					
47102-741		421.0	17.0	16.0	6.0	116.0	2.5	5.0	13.0
0.4	3.0	800.0	16.0	200.0	25.0	1.0	2.0	29.0	11.0
10.0	10.0	20.0	508.0	67.0	59.0	15.0	25.0	2.5	10.0
15.0	51.0	5.0	83.0	1496.0					
47102-742		5.0	13.7	8.0	20.0	87.0	2.5	8.0	28.0
1.3	0.5	613.0	25.0	42.0	25.0	1.0	2.0	2.5	14.0
10.0	10.0	5.0	270.0	47.0	21.0	10.0	25.0	2.5	5.0
15.0	61.0	5.0	13.0	131.0					
47102-743		0.5	20.4	9.0	13.0	62.0	2.5	8.0	28.0
1.2	0.5	457.0	24.0	43.0	25.0	1.0	2.0	2.5	13.0
10.0	10.0	5.0	270.0	40.0	18.0	10.0	25.0	2.5	5.0
15.0	51.0	5.0	13.0	140.0					
47102-744		3.0	8.7	12.0	18.0	85.0	2.5	11.0	48.0
1.2	0.5	196.0	53.0	57.0	25.0	1.0	2.0	2.5	15.0
10.0	10.0	5.0	260.0	49.0	21.0	9.0	25.0	2.5	7.0
15.0	67.0	5.0	15.0	84.0					
47102-745		0.5	30.5	12.0	16.0	55.0	2.5	11.0	42.0
1.3	0.5	175.0	28.0	60.0	25.0	1.0	2.0	2.5	16.0
10.0	10.0	5.0	248.0	51.0	23.0	9.0	25.0	2.5	8.0
15.0	70.0	5.0	15.0	88.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-746		0.5	21.7	19.0	23.0	79.0	2.5	16.0	55.0
1.4	1.0	383.0	39.0	52.0	25.0	1.0	2.0	2.5	14.0
10.0	10.0	5.0	2747.0	47.0	20.0	9.0	25.0	2.5	7.0
15.0	88.0	5.0	15.0	102.0					
47102-747		0.5	17.6	12.0	20.0	75.0	2.5	12.0	44.0
1.3	0.5	406.0	37.0	53.0	25.0	1.0	2.0	2.5	15.0
10.0	10.0	5.0	726.0	55.0	24.0	9.0	25.0	2.5	7.0
15.0	74.0	5.0	16.0	122.0					
47102-748		25.0	17.3	28.0	47.0	69.0	7.0	45.0	18.0
1.0	1.0	139.0	15.0	45.0	25.0	1.0	14.6	2.5	20.0
10.0	10.0	16.0	82.0	85.0	40.0	52.0	25.0	2.5	4.0
15.0	56.0	5.0	34.0	329.0					
47102-749		0.5	16.3	15.0	49.0	69.0	2.5	10.0	21.0
1.1	0.5	116.0	27.0	59.0	25.0	1.0	2.0	2.5	13.0
10.0	10.0	5.0	274.0	31.0	19.0	8.0	25.0	2.5	7.0
15.0	56.0	5.0	14.0	55.0					
47102-750		0.5	13.8	31.0	59.0	103.0	2.5	22.0	33.0
1.8	2.0	120.0	32.0	149.0	25.0	1.0	2.0	2.5	19.0
10.0	10.0	5.0	304.0	39.0	21.0	12.0	67.0	2.5	13.0
15.0	114.0	5.0	20.0	99.0					
47102-751		0.5	12.4	34.0	66.0	108.0	2.5	29.0	39.0
1.7	1.0	124.0	35.0	208.0	25.0	1.0	2.0	5.0	19.0
10.0	10.0	5.0	258.0	34.0	21.0	11.0	55.0	2.5	20.0
15.0	159.0	5.0	21.0	106.0					
47102-752		3.0	18.4	13.0	38.0	107.0	2.5	10.0	19.0
1.3	0.5	118.0	24.0	58.0	25.0	1.0	2.0	2.5	13.0
10.0	10.0	5.0	221.0	27.0	15.0	7.0	25.0	2.5	6.0
15.0	63.0	5.0	11.0	48.0					
47102-753		5.0	7.2	14.0	40.0	60.0	2.5	9.0	18.0
1.2	0.5	164.0	25.0	59.0	25.0	1.0	2.0	2.5	12.0
10.0	10.0	5.0	223.0	27.0	15.0	7.0	63.0	2.5	6.0
15.0	67.0	5.0	11.0	50.0					
47102-754		3.0	13.0	14.0	39.0	53.0	2.5	9.0	17.0
1.3	0.5	135.0	23.0	57.0	25.0	1.0	2.0	2.5	13.0
10.0	10.0	5.0	213.0	27.0	14.0	8.0	25.0	2.5	6.0
15.0	57.0	5.0	11.0	46.0					
47102-755		2.0	14.3	14.0	34.0	52.0	2.5	9.0	18.0
1.6	0.5	131.0	22.0	55.0	25.0	1.0	2.0	2.5	13.0
10.0	10.0	5.0	215.0	27.0	14.0	7.0	25.0	2.5	6.0
15.0	60.0	5.0	10.0	44.0					
47102-756		0.5	15.4	17.0	13.0	94.0	2.5	14.0	57.0
1.5	0.5	169.0	50.0	95.0	25.0	1.0	2.0	2.5	24.0
10.0	10.0	5.0	606.0	105.0	46.0	17.0	25.0	2.5	10.0
15.0	56.0	5.0	13.0	99.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-757		4.0	14.5	32.0	18.0	205.0	2.5	22.0	44.0
2.0	3.0	108.0	57.0	117.0	25.0	1.0	2.0	2.5	28.0
10.0	10.0	5.0	842.0	75.0	36.0	22.0	54.0	2.5	11.0
15.0	125.0	5.0	20.0	152.0					
47102-758		0.5	22.0	16.0	15.0	134.0	2.5	15.0	56.0
1.9	0.5	163.0	48.0	102.0	25.0	1.0	2.0	2.5	25.0
10.0	10.0	5.0	604.0	235.0	98.0	19.0	25.0	2.5	9.0
15.0	62.0	5.0	15.0	114.0					
47102-759		0.5	16.0	26.0	5.0	193.0	2.5	5.0	12.0
0.4	0.5	148.0	15.0	29.0	25.0	1.0	2.0	6.0	9.0
10.0	10.0	50.0	286.0	32.0	37.0	74.0	25.0	2.5	7.0
15.0	146.0	14.0	48.0	787.0					
47102-760		0.5	18.4	12.0	5.0	46.0	2.5	10.0	16.0
1.7	0.5	210.0	20.0	83.0	25.0	1.0	2.0	2.5	19.0
10.0	10.0	11.0	238.0	53.0	27.0	54.0	25.0	2.5	6.0
15.0	102.0	5.0	29.0	399.0					
47102-761		3.0	9.9	19.0	25.0	102.0	2.5	15.0	37.0
1.5	0.5	187.0	33.0	69.0	25.0	1.0	2.0	2.5	18.0
10.0	10.0	5.0	326.0	43.0	21.0	15.0	25.0	2.5	7.0
15.0	65.0	5.0	16.0	106.0					
47102-762		8.0	7.2	15.0	5.0	62.0	2.5	10.0	33.0
1.4	0.5	334.0	22.0	68.0	25.0	1.0	2.0	2.5	15.0
10.0	10.0	5.0	204.0	43.0	20.0	19.0	25.0	2.5	6.0
15.0	59.0	5.0	13.0	141.0					
47102-763		0.5	20.5	22.0	19.0	77.0	2.5	20.0	33.0
1.8	0.5	149.0	32.0	93.0	25.0	1.0	2.0	2.5	20.0
10.0	10.0	5.0	285.0	67.0	33.0	32.0	60.0	2.5	9.0
15.0	116.0	5.0	27.0	109.0					
47102-764		0.5	19.8	12.0	7.5	72.0	6.0	5.5	14.0
0.4	1.0	128.0	19.0	74.5	25.0	1.0	2.0	2.5	9.0
10.0	10.0	69.0	329.0	43.0	44.0	52.5	25.0	2.5	11.0
15.0	187.0	5.0	46.0	715.0					
47102-765		0.5	16.5	15.0	5.5	73.0	2.5	5.5	19.0
0.3	0.5	159.0	21.0	116.5	25.0	1.0	2.0	16.0	9.0
10.0	10.0	5.0	339.0	43.5	40.0	55.0	87.0	2.5	11.0
15.0	154.0	5.0	46.0	947.0					
47102-766		2.0	15.3	108.0	60.0	118.0	2.5	23.0	54.0
1.5	0.5	215.0	38.0	159.0	25.0	1.0	2.0	2.5	18.0
10.0	10.0	5.0	1048.0	44.0	23.0	14.0	57.0	2.5	17.0
15.0	204.0	5.0	22.0	103.0					
47102-767		2.0	9.8	29.0	17.0	120.0	2.5	14.0	61.0
0.3	0.5	274.0	40.0	114.5	25.0	1.0	2.0	16.0	8.5
10.0	10.0	5.0	1920.0	23.0	22.0	0.5	106.0	2.5	21.0
15.0	192.0	5.0	20.0	142.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-768		0.5	11.0	45.0	34.0	109.0	2.5	16.0	42.0
1.3	0.5	156.0	31.0	71.0	25.0	1.0	2.0	2.5	16.0
10.0	10.0	5.0	1000.0	51.0	21.0	10.0	52.0	2.5	8.0
15.0	85.0	5.0	15.0	69.0					
47102-801		1.0	29.7	5994.0	868.0	336.0	1099.0	116.0	79.0
20.2	3.0	103.0	3.0	13.0	238.0	1.0	2.0	201.0	11.0
10.0	10.0	1000.0	121.0	58.0	28.0	0.5	25.0	2.5	8.0
15.0	0.5	5.0	15.0	59.0					
47102-802		2.0	26.1	1522.0	50.0	121.0	121.0	14.0	20.0
0.3	0.5	117.0	7.0	50.0	25.0	1.0	2.0	5.0	57.0
10.0	10.0	352.0	2260.0	140.0	33.0	0.5	25.0	2.5	7.0
15.0	39.0	5.0	22.0	63.0					
47102-803		1.0	24.0	2129.0	56.0	194.0	1178.0	62.0	45.0
0.3	0.5	156.0	4.0	37.0	25.0	1.0	2.0	13.0	42.0
10.0	10.0	1000.0	86.0	95.0	18.0	0.5	113.0	2.5	6.0
15.0	0.5	5.0	19.0	59.0					
47102-804		0.5	32.2	29.0	5.0	86.0	6.0	5.5	21.0
0.3	2.0	132.0	15.0	101.0	25.0	1.0	2.0	2.5	6.5
10.0	10.0	20.0	1046.0	37.0	53.0	120.5	96.0	2.5	8.0
15.0	72.0	12.0	64.0	990.0					
47102-805		1.0	38.2	10.0	5.0	139.0	20.0	18.5	7.0
6.1	2.0	160.0	8.0	315.0	25.0	1.0	2.0	2.5	13.5
10.0	10.0	102.0	238.0	63.5	68.0	326.0	95.0	7.5	8.0
74.5	17.0	57.0	88.0	2545.0					
47102-806		3.0	23.0	37.0	15.0	74.0	2.5	15.0	34.0
1.1	0.5	131.0	53.0	56.0	25.0	1.0	2.0	2.5	16.0
10.0	10.0	5.0	346.0	34.0	19.0	14.0	25.0	2.5	5.0
15.0	42.0	5.0	9.0	110.0					
47102-807		1.0	16.6	41.0	18.0	114.0	2.5	16.0	39.0
1.4	0.5	158.0	43.0	64.0	25.0	1.0	2.0	2.5	17.0
10.0	10.0	5.0	4070.0	32.0	17.0	16.0	133.0	2.5	5.0
15.0	70.0	5.0	11.0	99.0					
47102-808		1.0	23.6	16.0	19.0	86.0	2.5	13.0	32.0
1.0	0.5	144.0	39.0	57.0	25.0	1.0	2.0	2.5	16.0
10.0	10.0	5.0	905.0	34.0	17.0	9.0	126.0	2.5	4.0
15.0	52.0	5.0	9.0	62.0					
47102-809		5.0	20.9	15.0	16.0	88.0	2.5	14.0	31.0
1.3	0.5	167.0	43.0	58.0	25.0	1.0	2.0	2.5	16.0
10.0	10.0	5.0	546.0	34.0	18.0	17.0	154.0	2.5	5.0
15.0	41.0	5.0	11.0	103.0					
47102-810		0.5	20.8	19.0	5.0	77.0	2.5	8.0	16.0
0.3	0.5	168.0	22.0	164.0	25.0	1.0	2.0	2.5	15.0
10.0	10.0	5.0	379.0	65.0	43.0	207.0	125.0	2.5	9.0
15.0	97.0	12.0	55.0	1050.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-811		5.0	29.0	31.0	20.0	88.0	2.5	17.0	39.0
1.3	0.5	157.0	39.0	89.0	25.0	1.0	2.0	2.5	17.0
10.0	10.0	5.0	728.0	39.0	24.0	29.0	127.0	5.0	7.0
15.0	54.0	5.0	19.0	133.0					
47102-812		4.0	23.4	20.0	25.0	113.0	2.5	20.0	36.0
0.9	0.5	134.0	105.0	68.0	25.0	1.0	2.0	2.5	22.0
10.0	10.0	5.0	2249.0	34.0	17.0	16.0	80.0	2.5	5.0
15.0	58.0	5.0	10.0	92.0					
47102-813		4.0	27.4	22.0	7.0	70.0	5.0	5.0	16.0
0.4	2.0	137.0	26.0	70.0	25.0	1.0	2.0	2.5	7.5
10.0	10.0	19.0	386.0	27.5	40.0	92.0	136.0	2.5	7.0
15.0	90.0	21.0	44.0	892.0					
47102-814		69.0	24.4	20.0	5.0	92.0	7.0	5.5	15.0
0.3	2.0	197.0	13.0	143.5	25.0	1.0	2.0	7.0	7.0
10.0	10.0	20.0	274.0	60.5	65.0	172.0	124.0	2.5	9.0
15.0	44.0	35.0	86.0	1407.0					
47102-815		79.0	24.2	19.0	6.0	96.0	5.0	6.0	16.0
0.3	2.0	258.0	16.0	152.5	25.0	1.0	2.0	19.0	11.0
10.0	10.0	35.0	229.0	65.5	60.0	124.5	25.0	2.5	11.0
15.0	58.0	20.0	92.0	1418.0					
47102-816		3.0	22.6	22.0	19.0	127.0	2.5	14.0	32.0
0.6	0.5	284.0	36.0	78.0	25.0	1.0	2.0	2.5	17.0
10.0	10.0	5.0	648.0	63.0	30.0	28.0	25.0	2.5	10.0
15.0	185.0	5.0	26.0	205.0					
47102-817		0.5	30.9	18.0	7.5	98.0	5.0	4.5	16.0
0.3	1.0	344.0	20.0	161.5	25.0	1.0	2.0	19.0	10.5
10.0	10.0	24.0	384.0	62.5	58.0	85.0	25.0	2.5	10.0
15.0	83.0	5.0	77.0	1484.0					
47102-818		2.0	24.1	12.0	5.0	69.0	2.5	11.0	27.0
0.8	0.5	228.0	44.0	43.0	25.0	1.0	2.0	2.5	14.0
10.0	10.0	5.0	628.0	27.0	14.0	8.0	25.0	2.5	4.0
15.0	44.0	5.0	9.0	69.0					
47102-819		145.0	30.7	16.0	5.0	143.0	14.0	17.5	12.0
4.1	3.0	577.0	12.0	300.5	25.0	1.0	2.0	2.5	19.0
10.0	10.0	59.0	815.0	82.0	99.0	292.0	118.0	3.5	10.0
58.0	48.0	44.0	102.0	2465.0					
47102-820		0.5	19.6	15.0	17.0	97.0	2.5	15.0	39.0
0.8	0.5	367.0	61.0	62.0	25.0	1.0	2.0	2.5	17.0
10.0	10.0	5.0	1918.0	70.0	35.0	15.0	137.0	2.5	7.0
15.0	74.0	5.0	18.0	145.0					
47102-821		94.0	27.4	22.0	8.0	89.0	2.5	6.0	21.0
0.3	0.5	246.0	26.0	102.0	25.0	1.0	2.0	2.5	9.0
10.0	10.0	16.0	959.0	46.0	55.0	90.0	113.0	2.5	9.0
16.0	122.0	12.0	56.0	962.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-822		46.0	29.2	32.0	8.0	110.0	6.0	6.0	23.0
0.3	2.0	407.0	25.0	130.5	25.0	1.0	2.0	5.0	10.0
10.0	10.0	20.0	1236.0	65.0	69.0	107.5	140.0	2.5	8.0
15.0	62.0	5.0	55.0	917.0					
47102-823		0.5	31.2	22.0	6.5	120.0	11.0	12.0	17.0
1.2	2.0	490.0	12.0	207.0	25.0	1.0	2.0	2.5	14.0
10.0	10.0	49.0	912.0	80.0	86.0	233.0	69.0	2.5	9.0
34.0	52.0	37.0	103.0	1780.0					
47102-824		0.5	39.4	11.0	5.0	142.0	16.0	16.0	8.0
3.9	2.0	665.0	9.0	316.5	25.0	1.0	2.0	2.5	18.0
10.0	10.0	70.0	633.0	74.5	88.0	277.5	108.0	2.5	8.0
71.5	30.0	38.0	80.0	2038.0					
47102-825		0.5	22.0	55.0	24.0	86.0	2.5	17.0	37.0
1.1	0.5	176.0	45.0	63.0	25.0	1.0	2.0	2.5	19.0
10.0	10.0	5.0	1265.0	61.0	30.0	13.0	121.0	2.5	7.0
15.0	61.0	5.0	23.0	128.0					
47102-826		0.5	27.2	21.0	6.5	81.0	2.5	6.0	20.0
0.3	0.5	281.0	26.0	93.5	25.0	1.0	2.0	2.5	9.0
10.0	10.0	17.0	799.0	46.5	51.0	83.0	111.0	2.5	10.0
21.5	128.0	17.0	58.0	1030.0					
47102-827		3133.0	35.2	16.0	5.5	129.0	12.0	10.5	15.0
1.3	3.0	730.0	15.0	232.0	25.0	1.0	2.0	2.5	14.0
10.0	10.0	91.0	564.0	70.0	79.0	196.5	130.0	2.5	9.0
46.5	56.0	31.0	75.0	1667.0					
47102-828		6.0	26.7	22.0	16.0	70.0	2.5	14.0	23.0
0.3	1.0	234.0	25.0	129.0	25.0	1.0	2.0	2.5	18.0
10.0	10.0	15.0	752.0	83.0	47.0	108.0	118.0	2.5	9.0
39.0	128.0	5.0	52.0	448.0					
47102-829		6.0	19.9	81.0	82.0	170.0	5.0	43.0	142.0
1.1	0.5	94.0	38.0	72.0	25.0	1.0	2.0	2.5	15.0
10.0	10.0	5.0	934.0	51.0	26.0	10.0	156.0	2.5	7.0
15.0	105.0	5.0	15.0	90.0					
47102-830		2.0	19.3	36.0	36.0	105.0	2.5	22.0	63.0
0.6	0.5	115.0	72.0	78.0	25.0	1.0	2.0	2.5	14.0
10.0	10.0	5.0	599.0	48.0	27.0	8.0	108.0	2.5	8.0
15.0	153.0	5.0	16.0	79.0					
47102-831		6.0	18.0	117.0	96.0	174.0	2.5	46.0	174.0
1.0	0.5	83.0	45.0	84.0	25.0	1.0	2.0	2.5	15.0
10.0	10.0	5.0	4372.0	59.0	31.0	9.0	134.0	2.5	10.0
15.0	120.0	5.0	21.0	86.0					
47102-832		0.5	19.6	43.0	49.0	120.0	2.5	27.0	89.0
0.8	0.5	99.0	33.0	77.0	25.0	1.0	2.0	2.5	14.0
10.0	10.0	5.0	474.0	64.0	36.0	9.0	149.0	2.5	9.0
15.0	85.0	5.0	22.0	75.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-833		0.5	19.0	66.0	98.0	165.0	2.5	29.0	95.0
0.8	3.0	115.0	36.0	81.0	25.0	1.0	2.0	2.5	13.0
10.0	10.0	5.0	848.0	63.0	28.0	8.0	101.0	2.5	8.0
15.0	97.0	5.0	16.0	73.0					
47102-834		4.0	14.6	141.0	112.0	211.0	9.0	57.0	256.0
1.0	2.0	205.0	50.0	87.0	25.0	1.0	2.0	2.5	14.0
10.0	10.0	13.0	1073.0	78.0	38.0	8.0	79.0	2.5	11.0
33.0	140.0	5.0	26.0	87.0					
47102-835		0.5	22.5	41.0	22.0	55.0	2.5	7.0	23.0
0.6	0.5	205.0	14.0	34.0	25.0	1.0	2.0	2.5	8.0
10.0	10.0	5.0	169.0	19.0	14.0	6.0	112.0	2.5	3.0
15.0	26.0	5.0	9.0	70.0					
47102-836		0.5	20.5	26.0	52.0	70.0	2.5	12.0	36.0
0.6	0.5	198.0	26.0	45.0	25.0	1.0	2.0	2.5	9.0
10.0	10.0	5.0	202.0	29.0	17.0	7.0	64.0	2.5	4.0
15.0	32.0	5.0	10.0	78.0					
47102-837		0.5	21.1	14.0	27.0	109.0	2.5	15.0	39.0
0.7	0.5	190.0	36.0	61.0	25.0	1.0	2.0	2.5	13.0
10.0	10.0	5.0	255.0	37.0	18.0	9.0	97.0	2.5	6.0
15.0	41.0	5.0	10.0	95.0					
47102-838		4.0	19.9	30.0	62.0	124.0	2.5	22.0	62.0
1.0	0.5	394.0	31.0	59.0	25.0	1.0	2.0	2.5	9.0
10.0	10.0	14.0	232.0	44.0	25.0	8.0	88.0	7.0	7.0
15.0	36.0	5.0	16.0	98.0					
47102-839		3.0	20.9	23.0	50.0	118.0	2.5	17.0	54.0
0.8	0.5	307.0	31.0	55.0	25.0	1.0	2.0	2.5	9.0
10.0	10.0	5.0	234.0	45.0	24.0	8.0	25.0	14.0	7.0
15.0	39.0	5.0	15.0	95.0					
47102-840		0.5	22.8	29.0	52.0	101.0	2.5	17.0	52.0
1.2	0.5	858.0	30.0	56.0	25.0	1.0	2.0	2.5	10.0
10.0	10.0	35.0	215.0	46.0	25.0	8.0	83.0	2.5	7.0
15.0	37.0	5.0	17.0	189.0					
47102-841		2.0	25.4	7.0	12.0	18.0	2.5	2.0	4.0
0.3	0.5	136.0	6.0	71.0	25.0	1.0	2.0	2.5	34.0
10.0	10.0	31.0	49.0	71.0	15.0	23.0	25.0	2.5	7.0
15.0	0.5	5.0	40.0	287.0					
47102-842		0.5	20.8	5.0	5.0	64.0	2.5	6.0	17.0
1.4	0.5	434.0	15.0	59.0	25.0	1.0	2.0	2.5	13.0
10.0	10.0	5.0	299.0	85.0	41.0	50.0	73.0	2.5	7.0
15.0	135.0	5.0	39.0	763.0					
47102-843		0.5	18.5	12.0	13.0	48.0	2.5	10.0	26.0
0.9	0.5	295.0	23.0	59.0	25.0	1.0	2.0	2.5	12.0
10.0	10.0	5.0	819.0	37.0	19.0	21.0	65.0	2.5	6.0
15.0	55.0	5.0	16.0	165.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-844		0.5	18.0	11.0	12.0	66.0	2.5	10.0	19.0
1.1	0.5	233.0	30.0	62.0	25.0	1.0	2.0	2.5	14.0
10.0	10.0	5.0	1567.0	40.0	21.0	28.0	80.0	2.5	6.0
15.0	70.0	5.0	18.0	175.0					
47102-845		0.5	23.9	21.0	20.0	94.0	2.5	14.0	37.0
0.8	1.0	147.0	50.0	68.0	25.0	1.0	2.0	2.5	18.0
10.0	10.0	5.0	1009.0	33.0	19.0	19.0	139.0	2.5	5.0
15.0	64.0	5.0	10.0	105.0					
47102-846		59.0	20.9	12.0	5.0	124.0	11.0	15.0	4.0
3.5	2.0	125.0	12.0	201.5	25.0	1.0	2.0	2.5	18.5
10.0	10.0	84.0	205.0	91.0	98.0	298.5	104.0	2.5	9.0
52.0	41.0	51.0	113.0	2771.0					
47102-847		23.0	20.3	85.0	18.0	136.0	13.0	24.0	76.0
1.4	0.5	119.0	52.0	99.0	25.0	1.0	2.0	2.5	17.0
10.0	10.0	5.0	443.0	32.0	21.0	9.0	89.0	2.5	6.0
15.0	97.0	5.0	10.0	92.0					
47102-848		65.0	28.0	15.0	6.0	99.0	9.0	6.0	6.0
0.4	2.0	120.0	16.0	145.0	25.0	1.0	2.0	2.5	12.5
10.0	10.0	65.0	151.0	82.5	91.0	201.0	120.0	2.5	10.0
31.0	60.0	32.0	100.0	2167.0					
47102-849		9.0	20.2	98.0	93.0	149.0	2.5	60.0	146.0
1.0	0.5	110.0	34.0	73.0	25.0	1.0	2.0	2.5	12.0
10.0	10.0	5.0	473.0	47.0	29.0	8.0	130.0	2.5	8.0
15.0	60.0	5.0	20.0	64.0					
47102-850		8.0	21.9	77.0	91.0	156.0	2.5	59.0	135.0
1.3	1.0	217.0	25.0	192.0	25.0	1.0	2.0	2.5	15.0
10.0	10.0	5.0	786.0	51.0	25.0	7.0	89.0	2.5	22.0
15.0	100.0	5.0	20.0	98.0					
47102-851		1.0	19.3	27.0	36.0	172.0	2.5	26.0	40.0
0.8	0.5	97.0	41.0	194.0	25.0	1.0	2.0	2.5	13.0
10.0	10.0	5.0	441.0	39.0	25.0	0.5	25.0	2.5	42.0
33.0	304.0	5.0	32.0	112.0					
47102-852		1.0	14.7	16.0	24.0	88.0	2.5	7.0	21.0
0.3	0.5	123.0	28.0	42.0	25.0	1.0	2.0	2.5	8.0
10.0	10.0	5.0	235.0	22.0	16.0	5.0	25.0	2.5	5.0
15.0	54.0	5.0	15.0	42.0					
47102-853		7.0	15.5	8.0	13.0	110.0	2.5	4.0	11.0
0.3	0.5	111.0	22.0	30.0	25.0	1.0	2.0	2.5	7.0
10.0	10.0	5.0	352.0	18.0	9.0	4.0	73.0	2.5	3.0
15.0	49.0	5.0	9.0	27.0					
47102-854		5.0	12.0	27.0	23.0	67.0	2.5	12.0	35.0
0.7	0.5	182.0	27.0	50.0	25.0	1.0	2.0	2.5	10.0
10.0	10.0	5.0	912.0	31.0	15.0	5.0	90.0	2.5	6.0
15.0	56.0	5.0	13.0	44.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-855		4.0	16.4	77.0	70.0	134.0	2.5	40.0	101.0
1.0	0.5	111.0	90.0	81.0	25.0	1.0	4.1	2.5	16.0
10.0	10.0	5.0	576.0	62.0	20.0	10.0	25.0	2.5	10.0
15.0	93.0	5.0	20.0	100.0					
47102-856		3.0	18.6	32.0	33.0	106.0	2.5	17.0	44.0
1.0	0.5	92.0	40.0	70.0	25.0	1.0	2.0	2.5	15.0
10.0	10.0	5.0	2506.0	49.0	20.0	8.0	25.0	2.5	6.0
15.0	116.0	5.0	16.0	73.0					
47102-857		43.0	22.6	32.0	63.0	128.0	2.5	20.0	85.0
2.0	0.5	277.0	54.0	108.0	25.0	1.0	4.3	2.5	26.0
10.0	10.0	5.0	928.0	428.0	186.0	20.0	25.0	2.5	13.0
15.0	84.0	5.0	21.0	118.0					
47102-858		92.0	19.1	30.0	48.0	134.0	2.5	20.0	96.0
1.4	0.5	339.0	47.0	112.0	25.0	1.0	4.3	2.5	24.0
10.0	10.0	5.0	586.0	84.0	38.0	7.0	151.0	2.5	16.0
15.0	64.0	5.0	16.0	122.0					
47102-858-A		2.0	16.8	56.0	92.0	143.0	11.0	38.0	87.0
1.2	1.0	5875.0	12.0	122.0	25.0	1.0	2.0	2.5	22.0
10.0	10.0	5.0	502.0	50.0	18.0	38.0	25.0	2.5	10.0
15.0	46.0	5.0	29.0	264.0					
47102-859		5.0	20.9	21.0	26.0	120.0	2.5	15.0	77.0
1.3	0.5	251.0	57.0	102.0	25.0	1.0	2.0	2.5	23.0
10.0	10.0	5.0	640.0	170.0	76.0	13.0	74.0	2.5	14.0
15.0	53.0	5.0	16.0	105.0					
47102-860		210.0	19.1	27.0	26.0	120.0	2.5	17.0	77.0
4.2	0.5	1042.0	52.0	112.0	25.0	1.0	4.3	2.5	33.0
10.0	10.0	5.0	586.0	2021.0	859.0	37.0	25.0	2.5	16.0
15.0	74.0	5.0	52.0	193.0					
47102-861		5.0	19.1	23.0	22.0	141.0	2.5	16.0	48.0
1.3	0.5	108.0	66.0	84.0	25.0	1.0	2.0	2.5	25.0
10.0	10.0	5.0	680.0	181.0	79.0	13.0	158.0	2.5	11.0
15.0	39.0	5.0	15.0	101.0					
47102-862		3.0	20.1	15.0	19.0	101.0	2.5	13.0	63.0
2.5	0.5	518.0	52.0	99.0	25.0	1.0	2.0	2.5	27.0
10.0	10.0	5.0	573.0	982.0	424.0	27.0	123.0	2.5	13.0
15.0	73.0	5.0	30.0	145.0					
47102-863		5.0	18.2	89.0	30.0	132.0	2.5	25.0	62.0
3.7	0.5	309.0	45.0	129.0	25.0	1.0	5.5	2.5	30.0
10.0	10.0	5.0	3023.0	1558.0	603.0	35.0	110.0	2.5	15.0
15.0	105.0	5.0	39.0	151.0					
47102-864		9.0	16.8	11.0	17.0	62.0	2.5	14.0	15.0
0.3	1.0	224.0	14.0	167.0	25.0	1.0	7.5	2.5	20.0
10.0	10.0	5.0	187.0	96.0	38.0	19.0	25.0	2.5	10.0
15.0	92.0	5.0	72.0	886.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-865		0.5	17.2	18.0	20.0	87.0	2.5	19.0	27.0
1.4	0.5	172.0	26.0	107.0	25.0	1.0	5.4	2.5	20.0
10.0	10.0	5.0	394.0	70.0	31.0	11.0	25.0	2.5	12.0
15.0	184.0	5.0	30.0	102.0					
47102-866		0.5	22.3	12.0	14.0	67.0	2.5	14.0	25.0
1.3	0.5	233.0	33.0	84.0	25.0	1.0	4.2	2.5	19.0
10.0	10.0	5.0	303.0	60.0	28.0	10.0	50.0	2.5	9.0
15.0	140.0	5.0	25.0	119.0					
47102-867		0.5	18.2	17.0	19.0	78.0	2.5	16.0	28.0
1.5	1.0	281.0	26.0	104.0	25.0	1.0	2.0	2.5	18.0
10.0	10.0	5.0	236.0	71.0	32.0	14.0	53.0	2.5	10.0
15.0	114.0	5.0	30.0	338.0					
47102-868		1.0	20.8	11.0	17.0	79.0	2.5	12.0	25.0
1.3	0.5	305.0	25.0	71.0	25.0	1.0	2.0	2.5	16.0
10.0	10.0	5.0	232.0	64.0	31.0	13.0	25.0	2.5	8.0
15.0	89.0	5.0	23.0	202.0					
47102-869		5.0	13.5	14.0	21.0	87.0	2.5	16.0	31.0
1.2	0.5	110.0	33.0	78.0	25.0	1.0	2.0	2.5	17.0
10.0	10.0	5.0	309.0	58.0	30.0	12.0	25.0	2.5	9.0
15.0	125.0	5.0	23.0	129.0					
47102-870		2.0	15.7	7.0	5.0	51.0	2.5	7.0	17.0
1.1	0.5	382.0	17.0	45.0	25.0	1.0	2.0	2.5	12.0
10.0	10.0	5.0	182.0	62.0	31.0	14.0	25.0	2.5	5.0
15.0	76.0	5.0	17.0	117.0					
47102-871		0.5	16.4	6.0	5.0	41.0	2.5	6.0	15.0
0.9	0.5	691.0	15.0	35.0	25.0	1.0	2.0	2.5	10.0
10.0	10.0	5.0	138.0	47.0	22.0	7.0	25.0	2.5	4.0
15.0	57.0	5.0	15.0	103.0					
47102-872		0.5	18.2	11.0	15.0	47.0	2.5	6.0	9.0
0.3	0.5	251.0	16.0	67.0	25.0	1.0	2.0	2.5	19.0
10.0	10.0	17.0	198.0	69.0	28.0	34.0	54.0	2.5	9.0
15.0	77.0	5.0	41.0	210.0					
47102-873		0.5	23.4	18.0	20.0	130.0	2.5	15.0	21.0
0.3	0.5	184.0	23.0	97.0	25.0	1.0	2.0	2.5	20.0
10.0	10.0	5.0	325.0	67.0	29.0	20.0	50.0	2.5	11.0
15.0	82.0	5.0	34.0	134.0					
47102-874		3.0	23.3	17.0	25.0	49.0	2.5	11.0	15.0
0.3	0.5	215.0	15.0	105.0	25.0	1.0	2.0	2.5	28.0
10.0	10.0	14.0	138.0	86.0	27.0	53.0	72.0	2.5	9.0
15.0	35.0	13.0	57.0	393.0					
47102-875		4.0	22.8	18.0	15.0	81.0	2.5	19.0	22.0
0.3	1.0	164.0	25.0	156.0	25.0	1.0	2.0	2.5	18.0
10.0	10.0	5.0	347.0	64.0	32.0	0.5	55.0	2.5	25.0
15.0	170.0	5.0	39.0	186.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-876		0.5	22.9	11.0	15.0	54.0	2.5	8.0	11.0
0.3	0.5	175.0	18.0	81.0	25.0	1.0	2.0	2.5	19.0
10.0	10.0	5.0	181.0	61.0	27.0	21.0	54.0	2.5	9.0
15.0	59.0	5.0	37.0	185.0					
47102-877		0.5	25.4	11.0	15.0	67.0	2.5	7.0	9.0
0.3	0.5	142.0	15.0	88.0	25.0	1.0	2.0	2.5	30.0
10.0	10.0	5.0	156.0	80.0	24.0	33.0	25.0	2.5	10.0
15.0	50.0	5.0	46.0	166.0					
47102-878		7.0	23.0	15.0	6.0	106.0	2.5	8.0	12.0
0.3	1.0	90.0	16.0	81.5	25.0	1.0	2.0	2.5	9.0
10.0	10.0	5.0	213.0	78.5	70.0	3.0	25.0	2.5	12.0
17.5	120.0	5.0	88.0	968.0					
47102-879		103.0	26.9	15.0	10.0	109.0	2.5	8.0	13.0
0.4	2.0	199.0	17.0	133.0	25.0	1.0	2.0	2.5	11.5
10.0	10.0	5.0	279.0	95.0	95.0	13.0	109.0	2.5	16.0
15.0	164.0	5.0	98.0	1579.0					
47102-880		0.5	18.6	14.0	17.0	49.0	2.5	8.0	29.0
0.3	0.5	520.0	16.0	34.0	25.0	3.0	2.0	2.5	5.0
10.0	10.0	5.0	218.0	30.0	14.0	5.0	25.0	2.5	4.0
15.0	49.0	5.0	10.0	80.0					
47102-881		0.5	20.7	14.0	16.0	41.0	2.5	11.0	31.0
0.3	0.5	1092.0	16.0	42.0	25.0	1.0	2.0	2.5	6.0
10.0	10.0	5.0	359.0	56.0	26.0	6.0	70.0	2.5	4.0
15.0	45.0	5.0	15.0	141.0					
47102-882		3.0	16.9	11.0	16.0	46.0	2.5	8.0	26.0
0.3	0.5	519.0	19.0	40.0	25.0	3.0	2.0	2.5	5.0
10.0	10.0	5.0	331.0	33.0	16.0	5.0	25.0	2.5	4.0
15.0	44.0	5.0	11.0	77.0					
47102-883		0.5	14.5	23.0	15.0	75.0	2.5	17.0	48.0
0.6	0.5	199.0	40.0	101.0	25.0	1.0	2.0	2.5	12.0
10.0	10.0	5.0	308.0	40.0	22.0	12.0	25.0	2.5	11.0
32.0	117.0	5.0	18.0	98.0					
47102-884		0.5	14.8	10.0	11.0	109.0	2.5	10.0	17.0
1.1	0.5	154.0	29.0	73.0	25.0	1.0	2.0	2.5	18.0
10.0	10.0	5.0	374.0	283.0	155.0	88.0	25.0	2.5	17.0
15.0	110.0	5.0	66.0	365.0					
47102-885		0.5	22.0	51.0	24.0	215.0	2.5	22.0	61.0
0.3	0.5	160.0	53.0	87.0	25.0	1.0	2.0	2.5	13.0
10.0	10.0	5.0	419.0	59.0	32.0	12.0	25.0	2.5	12.0
15.0	90.0	5.0	24.0	100.0					
47102-886		0.5	16.1	23.0	20.0	97.0	2.5	17.0	64.0
0.3	0.5	326.0	71.0	79.0	25.0	1.0	2.0	2.5	12.0
10.0	10.0	5.0	326.0	63.0	34.0	12.0	25.0	2.5	11.0
15.0	60.0	5.0	24.0	113.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-887		0.5	17.5	21.0	18.0	107.0	2.5	12.0	38.0
0.3	0.5	115.0	41.0	58.0	25.0	1.0	2.0	2.5	7.0
10.0	10.0	5.0	303.0	42.0	24.0	7.0	70.0	2.5	8.0
15.0	71.0	5.0	17.0	73.0					
47102-888		0.5	17.1	54.0	33.0	106.0	2.5	25.0	66.0
0.3	0.5	237.0	34.0	63.0	25.0	1.0	2.0	2.5	6.0
10.0	10.0	5.0	349.0	44.0	25.0	8.0	25.0	2.5	9.0
15.0	83.0	5.0	18.0	77.0					
47102-889		0.5	15.7	7.0	5.0	76.0	2.5	9.0	21.0
0.3	0.5	943.0	18.0	72.0	25.0	1.0	2.0	2.5	4.0
10.0	10.0	5.0	178.0	35.0	20.0	5.0	25.0	2.5	11.0
15.0	75.0	5.0	14.0	104.0					
47102-890		3.0	19.6	7.0	5.0	64.0	2.5	9.0	18.0
0.3	0.5	728.0	20.0	65.0	25.0	1.0	2.0	2.5	5.0
10.0	10.0	5.0	252.0	38.0	20.0	6.0	25.0	2.5	10.0
15.0	90.0	5.0	15.0	103.0					
47102-891		1.0	18.6	27.0	5.0	91.0	6.0	14.0	38.0
0.3	0.5	418.0	44.0	79.0	25.0	1.0	2.0	2.5	9.0
10.0	10.0	5.0	2386.0	44.0	24.0	16.0	71.0	2.5	8.0
15.0	136.0	5.0	17.0	118.0					
47102-892		11.0	21.1	66.0	5.0	122.0	14.0	15.0	39.0
0.8	0.5	114.0	15.0	125.0	25.0	1.0	2.0	2.5	4.0
10.0	10.0	5.0	381.0	16.0	7.0	76.0	25.0	2.5	7.0
15.0	108.0	5.0	27.0	435.0					
47102-893		5.0	21.8	63.0	5.0	98.0	2.5	16.0	38.0
0.6	0.5	152.0	33.0	114.0	25.0	1.0	2.0	2.5	10.0
10.0	10.0	11.0	532.0	77.0	36.0	59.0	83.0	2.5	11.0
34.0	177.0	5.0	29.0	343.0					
47102-894		11.0	18.7	39.0	5.0	111.0	7.0	16.0	52.0
0.7	0.5	146.0	36.0	65.0	25.0	1.0	2.0	2.5	9.0
10.0	10.0	5.0	398.0	45.0	20.0	24.0	25.0	2.5	8.0
15.0	296.0	5.0	48.0	159.0					
47102-895		7.0	19.6	34.0	5.0	66.0	10.0	21.0	51.0
0.3	1.0	137.0	37.0	112.0	25.0	1.0	2.0	2.5	8.0
10.0	10.0	10.0	613.0	58.0	31.0	36.0	83.0	2.5	10.0
37.0	228.0	5.0	24.0	194.0					
47102-896		7.0	15.9	39.0	18.0	122.0	2.5	16.0	30.0
0.6	2.0	137.0	48.0	95.0	25.0	1.0	2.0	2.5	13.0
10.0	10.0	5.0	4118.0	79.0	43.0	26.0	154.0	2.5	10.0
15.0	139.0	5.0	27.0	146.0					
47102-897		15.0	21.7	75.0	5.0	167.0	17.0	9.5	47.0
0.3	3.0	111.0	19.0	96.5	25.0	1.0	2.0	9.0	2.5
10.0	10.0	16.0	363.0	14.5	13.0	54.0	66.0	2.5	11.0
22.5	62.0	12.0	36.0	674.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-898		19.0	18.4	31.0	5.0	100.0	6.0	9.0	33.0
0.3	0.5	124.0	26.0	81.5	25.0	1.0	2.0	2.5	5.5
10.0	10.0	5.0	1218.0	50.0	51.0	31.5	87.0	2.5	15.0
15.0	258.0	5.0	38.0	461.0					
47102-899		6.0	18.3	22.0	14.0	88.0	2.5	13.0	24.0
0.3	1.0	116.0	39.0	62.0	25.0	1.0	2.0	2.5	11.0
10.0	10.0	5.0	5583.0	55.0	30.0	19.0	56.0	2.5	7.0
15.0	137.0	5.0	20.0	85.0					
47102-900		6.0	23.9	52.0	5.0	217.0	12.0	10.0	42.0
0.3	3.0	137.0	23.0	95.0	25.0	1.0	2.0	7.0	3.0
10.0	10.0	15.0	294.0	32.5	27.0	47.5	72.0	2.5	13.0
15.0	254.0	5.0	31.0	459.0					
47102-901		7.0	23.1	21.0	5.0	102.0	9.0	7.0	20.0
0.3	0.5	1026.0	15.0	169.0	25.0	1.0	2.0	16.0	12.0
10.0	10.0	38.0	491.0	66.0	59.0	165.0	25.0	2.5	9.0
22.0	62.0	28.0	76.0	1197.0					
47102-902		0.5	19.0	22.0	16.0	72.0	2.5	12.0	25.0
0.9	0.5	306.0	31.0	139.0	25.0	1.0	2.0	2.5	21.0
10.0	10.0	16.0	767.0	92.0	47.0	111.0	25.0	2.5	10.0
15.0	143.0	13.0	48.0	497.0					
47102-903		0.5	13.3	22.0	18.0	135.0	2.5	18.0	108.0
1.8	0.5	220.0	69.0	96.0	25.0	1.0	2.0	2.5	26.0
10.0	10.0	5.0	554.0	79.0	36.0	17.0	25.0	2.5	12.0
15.0	41.0	5.0	15.0	105.0					
47102-904		0.5	10.2	25.0	19.0	110.0	2.5	17.0	95.0
1.7	2.0	331.0	61.0	95.0	25.0	1.0	2.0	2.5	26.0
10.0	10.0	10.0	510.0	90.0	41.0	21.0	136.0	2.5	9.0
15.0	45.0	5.0	14.0	114.0					
47102-905		5.0	13.4	24.0	37.0	166.0	2.5	15.0	92.0
2.1	0.5	325.0	54.0	100.0	25.0	1.0	2.0	2.5	28.0
10.0	10.0	5.0	547.0	67.0	31.0	21.0	117.0	2.5	10.0
15.0	50.0	5.0	13.0	131.0					
47102-906		2.0	9.6	21.0	29.0	131.0	2.5	14.0	80.0
1.8	0.5	315.0	51.0	98.0	25.0	1.0	2.0	2.5	25.0
10.0	10.0	5.0	2023.0	101.0	47.0	19.0	83.0	2.5	14.0
15.0	91.0	5.0	16.0	134.0					
47102-907		208.0	13.1	32.0	32.0	118.0	2.5	18.0	96.0
1.9	0.5	240.0	54.0	98.0	25.0	1.0	2.0	2.5	25.0
10.0	10.0	5.0	540.0	88.0	40.0	12.0	25.0	2.5	16.0
15.0	61.0	5.0	16.0	109.0					
47102-908		12.0	9.4	73.0	36.0	135.0	2.5	21.0	97.0
2.2	1.0	482.0	52.0	113.0	25.0	1.0	2.0	2.5	26.0
10.0	10.0	5.0	7050.0	114.0	55.0	16.0	63.0	2.5	15.0
15.0	104.0	5.0	20.0	116.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-909		7.0	13.3	19.0	11.0	41.0	2.5	6.0	6.0
0.3	0.5	264.0	13.0	62.0	25.0	1.0	2.0	2.5	21.0
10.0	10.0	5.0	182.0	115.0	46.0	19.0	25.0	2.5	9.0
15.0	101.0	5.0	78.0	127.0					
47102-910		2.0	13.0	26.0	24.0	79.0	2.5	13.0	28.0
1.5	2.0	252.0	21.0	130.0	25.0	1.0	2.0	2.5	20.0
10.0	10.0	5.0	248.0	106.0	52.0	17.0	78.0	2.5	13.0
15.0	131.0	5.0	42.0	137.0					
47102-911		1.0	14.3	20.0	27.0	86.0	2.5	16.0	37.0
1.6	1.0	229.0	42.0	82.0	25.0	1.0	2.0	2.5	18.0
10.0	10.0	5.0	229.0	50.0	23.0	18.0	25.0	2.5	8.0
15.0	65.0	5.0	17.0	143.0					
47102-912		1.0	12.3	20.0	15.0	64.0	2.5	17.0	38.0
1.6	0.5	606.0	27.0	86.0	25.0	1.0	2.0	2.5	16.0
10.0	10.0	5.0	200.0	59.0	26.0	26.0	25.0	2.5	9.0
15.0	59.0	5.0	20.0	270.0					
47102-913		0.5	24.2	17.0	17.0	55.0	2.5	13.0	32.0
1.5	0.5	166.0	25.0	63.0	25.0	1.0	2.0	2.5	17.0
10.0	10.0	5.0	254.0	57.0	26.0	20.0	25.0	2.5	7.0
15.0	80.0	5.0	17.0	133.0					
47102-914		2.0	19.9	19.0	20.0	74.0	2.5	16.0	26.0
1.9	0.5	153.0	26.0	84.0	25.0	1.0	2.0	2.5	20.0
10.0	10.0	5.0	317.0	79.0	38.0	25.0	25.0	2.5	11.0
15.0	153.0	5.0	28.0	258.0					
47102-915		1.0	22.9	14.0	5.0	84.0	2.5	13.5	12.0
2.7	1.0	158.0	18.0	180.0	25.0	1.0	2.0	2.5	13.0
10.0	10.0	23.0	232.0	60.0	57.0	87.5	52.0	2.5	11.0
21.5	141.0	14.0	70.0	2062.0					
47102-916		3.0	19.9	49.0	28.0	89.0	2.5	35.0	71.0
1.7	0.5	142.0	49.0	179.0	25.0	1.0	2.0	2.5	21.0
10.0	10.0	5.0	1334.0	39.0	20.0	15.0	53.0	2.5	15.0
15.0	170.0	5.0	21.0	118.0					
47102-917		7.0	13.2	61.0	26.0	137.0	5.0	30.0	93.0
1.8	1.0	258.0	43.0	213.0	25.0	1.0	2.0	2.5	11.0
10.0	10.0	5.0	1992.0	20.5	20.0	13.0	56.0	2.5	24.0
29.5	247.0	5.0	21.0	182.0					
47102-918		2.0	15.5	122.0	24.5	141.0	2.5	16.5	72.0
0.3	1.0	403.0	30.0	169.0	25.0	1.0	2.0	21.0	8.0
10.0	10.0	5.0	3126.0	24.0	23.0	0.5	25.0	2.5	27.0
15.0	188.0	10.0	21.0	186.0					
47102-919		5.0	18.9	53.0	14.0	75.0	2.5	15.0	40.0
1.9	0.5	277.0	57.0	67.0	25.0	1.0	2.0	2.5	22.0
10.0	10.0	62.0	2492.0	50.0	23.0	17.0	25.0	2.5	6.0
15.0	95.0	5.0	14.0	103.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-920		2.0	19.8	18.0	24.0	82.0	2.5	15.0	55.0
0.3	0.5	241.0	35.0	65.0	25.0	1.0	2.0	2.5	8.0
10.0	10.0	5.0	549.0	50.0	28.0	7.0	85.0	2.5	10.0
15.0	73.0	5.0	20.0	90.0					
47102-951		0.5	7.8	19.0	12.0	128.0	2.5	14.0	35.0
1.9	0.5	157.0	44.0	114.0	25.0	1.0	2.0	2.5	25.0
10.0	10.0	11.0	1697.0	133.0	58.0	11.0	66.0	2.5	11.0
15.0	88.0	5.0	19.0	149.0					
47102-952		1.0	23.1	15.0	13.0	95.0	2.5	15.0	33.0
1.6	0.5	97.0	32.0	73.0	25.0	1.0	2.0	2.5	20.0
10.0	10.0	5.0	478.0	58.0	26.0	15.0	25.0	2.5	6.0
15.0	152.0	5.0	19.0	117.0					
47102-953		0.5	29.2	13.0	11.0	67.0	2.5	12.0	30.0
1.5	0.5	117.0	27.0	69.0	25.0	1.0	2.0	2.5	18.0
10.0	10.0	5.0	335.0	57.0	26.0	14.0	25.0	2.5	7.0
15.0	95.0	5.0	16.0	102.0					
47102-954		0.5	22.9	15.0	12.0	96.0	2.5	14.0	35.0
1.5	0.5	94.0	30.0	72.0	25.0	1.0	2.0	2.5	19.0
10.0	10.0	5.0	427.0	56.0	24.0	13.0	25.0	2.5	6.0
15.0	100.0	5.0	16.0	94.0					
47102-955		0.5	20.4	18.0	15.0	49.0	2.5	16.0	32.0
1.8	1.0	356.0	20.0	83.0	25.0	1.0	2.0	2.5	18.0
10.0	10.0	5.0	225.0	56.0	22.0	23.0	25.0	2.5	6.0
15.0	85.0	5.0	18.0	227.0					
47102-956		0.5	18.0	16.0	15.0	86.0	2.5	15.0	38.0
1.6	0.5	193.0	43.0	84.0	25.0	1.0	2.0	2.5	19.0
10.0	10.0	5.0	357.0	55.0	26.0	13.0	25.0	2.5	9.0
15.0	96.0	5.0	21.0	127.0					
47102-957		0.5	22.7	15.0	11.0	60.0	2.5	14.0	41.0
1.5	0.5	195.0	30.0	89.0	25.0	1.0	2.0	2.5	17.0
10.0	10.0	5.0	280.0	50.0	23.0	14.0	25.0	2.5	9.0
15.0	68.0	5.0	17.0	134.0					
47102-958		1.0	20.5	27.0	33.0	87.0	6.0	16.0	29.0
0.3	1.0	193.0	25.0	63.0	25.0	1.0	2.0	2.5	20.0
10.0	10.0	14.0	171.0	39.0	16.0	30.0	25.0	2.5	5.0
15.0	50.0	5.0	24.0	138.0					
47102-959		0.5	31.4	17.0	29.0	173.0	2.5	10.0	31.0
1.5	2.0	101.0	28.0	58.0	25.0	1.0	2.0	2.5	23.0
10.0	10.0	5.0	331.0	45.0	23.0	23.0	83.0	2.5	6.0
15.0	69.0	5.0	18.0	111.0					
47102-960		2.0	14.2	12.0	15.0	68.0	2.5	5.0	12.0
0.3	0.5	254.0	19.0	64.0	25.0	1.0	2.0	2.5	22.0
10.0	10.0	16.0	205.0	64.0	25.0	38.0	25.0	2.5	7.0
15.0	41.0	5.0	37.0	176.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-961		1.0	22.6	34.0	41.0	94.0	2.5	14.0	29.0
0.9	0.5	168.0	24.0	60.0	25.0	1.0	2.0	2.5	20.0
10.0	10.0	11.0	215.0	38.0	17.0	19.0	76.0	2.5	7.0
15.0	49.0	5.0	23.0	105.0					
47102-962		0.5	21.4	18.0	21.0	67.0	2.5	8.0	20.0
1.2	0.5	176.0	22.0	54.0	25.0	1.0	2.0	2.5	20.0
10.0	10.0	5.0	224.0	48.0	23.0	25.0	25.0	2.5	7.0
15.0	77.0	5.0	24.0	133.0					
47102-963		2.0	25.1	18.0	13.0	51.0	2.5	12.0	38.0
0.3	0.5	561.0	24.0	49.0	25.0	1.0	2.0	2.5	7.0
10.0	10.0	5.0	294.0	63.0	31.0	6.0	25.0	2.5	8.0
15.0	76.0	5.0	18.0	144.0					
47102-964		0.5	24.0	13.0	19.0	104.0	2.5	15.0	55.0
0.9	0.5	150.0	34.0	70.0	25.0	1.0	2.0	2.5	16.0
10.0	10.0	5.0	284.0	50.0	22.0	8.0	25.0	2.5	8.0
15.0	55.0	5.0	15.0	100.0					
47102-965		0.5	20.6	16.0	23.0	47.0	2.5	12.0	26.0
0.9	0.5	140.0	27.0	88.0	25.0	1.0	2.0	2.5	11.0
10.0	10.0	5.0	297.0	24.0	12.0	6.0	25.0	2.5	7.0
15.0	82.0	5.0	11.0	55.0					
47102-1000		26.0	63.1	9905.0	375.0	548.0	546.0	25.0	28.0
0.3	0.5	127.0	5.0	61.0	77.0	1.0	18.7	17.0	62.0
10.0	10.0	1000.0	144.0	124.0	28.0	0.5	63.0	9.0	8.0
15.0	20.0	5.0	22.0	64.0					
47102-1001		5.0	21.0	85.0	6.0	76.0	2.5	7.5	16.0
0.4	0.5	128.0	25.0	88.0	25.0	1.0	2.0	2.5	11.0
10.0	10.0	24.0	389.0	48.0	48.0	38.0	86.0	2.5	12.0
15.0	196.0	5.0	43.0	708.0					
47102-1002		0.5	24.7	13.0	18.0	67.0	2.5	11.0	21.0
0.8	0.5	152.0	24.0	59.0	25.0	1.0	2.0	2.5	11.0
10.0	10.0	5.0	211.0	43.0	22.0	14.0	25.0	2.5	7.0
15.0	52.0	5.0	18.0	118.0					
47102-1003		29.0	30.4	22.0	5.0	49.0	2.5	13.0	25.0
1.2	0.5	96.0	40.0	105.0	25.0	1.0	2.0	2.5	21.0
10.0	10.0	5.0	381.0	65.0	33.0	48.0	79.0	2.5	11.0
15.0	140.0	5.0	27.0	269.0					
47102-1004		4.0	46.2	23.0	10.0	52.0	2.5	11.0	23.0
1.2	0.5	78.0	38.0	79.0	25.0	1.0	2.0	2.5	21.0
10.0	10.0	5.0	377.0	55.0	26.0	30.0	97.0	2.5	8.0
15.0	107.0	5.0	20.0	161.0					
47102-1005		0.5	53.6	13.0	5.0	43.0	2.5	8.0	9.0
0.3	0.5	80.0	21.0	83.0	25.0	1.0	2.0	2.5	20.0
10.0	10.0	14.0	205.0	97.0	48.0	81.0	25.0	2.5	9.0
15.0	80.0	5.0	52.0	359.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-1006		0.5	38.8	20.0	14.0	77.0	2.5	15.0	31.0
1.2	0.5	96.0	64.0	68.0	25.0	1.0	2.0	2.5	24.0
10.0	10.0	77.0	423.0	73.0	36.0	15.0	117.0	2.5	9.0
15.0	110.0	5.0	17.0	96.0					
47102-1007		0.5	50.9	23.0	5.0	57.0	2.5	18.0	24.0
1.3	0.5	85.0	42.0	123.0	25.0	1.0	2.0	2.5	22.0
10.0	10.0	5.0	358.0	82.0	38.0	65.0	60.0	2.5	10.0
15.0	118.0	5.0	33.0	261.0					
47102-1008		4.0	23.6	21.0	14.0	88.0	2.5	14.0	42.0
1.2	0.5	131.0	71.0	87.0	25.0	1.0	2.0	2.5	26.0
10.0	10.0	5.0	419.0	65.0	33.0	15.0	154.0	2.5	11.0
15.0	74.0	5.0	13.0	95.0					
47102-1009		0.5	30.7	16.0	11.0	73.0	2.5	12.0	32.0
1.1	0.5	102.0	51.0	67.0	25.0	1.0	2.0	2.5	23.0
10.0	10.0	5.0	382.0	59.0	29.0	19.0	106.0	2.5	8.0
15.0	93.0	5.0	15.0	91.0					
47102-1010		0.5	29.7	16.0	14.0	74.0	2.5	15.0	30.0
1.5	0.5	95.0	48.0	112.0	25.0	1.0	2.0	2.5	22.0
10.0	10.0	5.0	374.0	83.0	40.0	29.0	93.0	2.5	12.0
15.0	161.0	5.0	31.0	319.0					
47102-1011		0.5	21.4	9.0	5.0	67.0	2.5	4.5	16.0
0.3	0.5	250.0	23.0	50.5	25.0	1.0	2.0	2.5	9.5
10.0	10.0	5.0	1125.0	49.5	53.0	37.5	69.0	2.5	12.0
15.0	221.0	5.0	51.0	925.0					
47102-1012		3.0	32.9	11.0	5.0	66.0	2.5	9.0	22.0
1.0	0.5	139.0	30.0	70.0	25.0	1.0	2.0	2.5	20.0
10.0	10.0	5.0	585.0	78.0	41.0	44.0	126.0	2.5	8.0
15.0	139.0	5.0	24.0	243.0					
47102-1101		1.0	11.3	18.0	20.0	57.0	2.5	8.0	18.0
1.0	0.5	123.0	23.0	54.0	25.0	1.0	2.0	2.5	19.0
10.0	10.0	5.0	266.0	42.0	22.0	22.0	25.0	2.5	7.0
15.0	76.0	5.0	20.0	111.0					
47102-1102		0.5	13.6	13.0	21.0	57.0	2.5	7.0	9.0
0.3	1.0	116.0	17.0	72.0	25.0	1.0	2.0	2.5	18.0
10.0	10.0	5.0	235.0	77.0	37.0	59.0	100.0	2.5	9.0
15.0	104.0	5.0	52.0	196.0					
47102-1103		0.5	19.7	7.0	15.0	60.0	2.5	7.0	9.0
0.3	0.5	117.0	22.0	75.0	25.0	1.0	2.0	2.5	22.0
10.0	10.0	18.0	279.0	59.0	22.0	57.0	98.0	2.5	8.0
15.0	75.0	10.0	43.0	195.0					
47102-1104		0.5	14.2	7.0	10.0	36.0	2.5	3.0	8.0
0.3	0.5	167.0	16.0	47.0	25.0	1.0	2.0	2.5	16.0
10.0	10.0	5.0	179.0	32.0	16.0	34.0	70.0	2.5	5.0
15.0	62.0	5.0	24.0	123.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-1105		0.5	17.3	13.0	17.0	45.0	2.5	5.0	11.0
0.3	2.0	165.0	14.0	80.0	25.0	1.0	2.0	2.5	35.0
10.0	10.0	31.0	105.0	84.0	22.0	23.0	25.0	2.5	8.0
15.0	26.0	5.0	43.0	155.0					
47102-1106		1.0	12.5	15.0	15.0	55.0	2.5	6.0	16.0
0.3	0.5	211.0	20.0	59.0	25.0	1.0	2.0	2.5	17.0
10.0	10.0	5.0	170.0	45.0	23.0	21.0	51.0	2.5	6.0
15.0	55.0	5.0	23.0	113.0					
47102-1107		0.5	14.3	8.0	5.0	67.0	2.5	11.0	42.0
0.9	0.5	457.0	34.0	58.0	25.0	1.0	2.0	2.5	13.0
10.0	10.0	5.0	249.0	53.0	25.0	9.0	25.0	2.5	6.0
15.0	55.0	5.0	15.0	156.0					
47102-1108		0.5	11.4	12.0	28.0	121.0	2.5	12.0	42.0
0.7	0.5	260.0	37.0	60.0	25.0	1.0	2.0	2.5	13.0
10.0	10.0	5.0	544.0	31.0	16.0	9.0	25.0	2.5	5.0
15.0	58.0	5.0	11.0	108.0					
47102-1109		184.0	27.0	322.0	47.0	118.0	11.0	10.0	21.0
0.3	2.0	122.0	10.0	48.0	25.0	1.0	2.0	2.5	69.0
10.0	10.0	76.0	463.0	148.0	13.0	0.5	25.0	2.5	5.0
15.0	101.0	5.0	16.0	56.0					
47102-1110		0.5	12.7	25.0	16.0	68.0	2.5	19.0	43.0
1.4	0.5	208.0	29.0	119.0	25.0	1.0	2.0	2.5	19.0
10.0	10.0	5.0	379.0	55.0	25.0	30.0	25.0	2.5	12.0
15.0	123.0	5.0	22.0	215.0					
47102-1111		0.5	17.6	29.0	16.0	85.0	2.5	23.0	43.0
1.2	0.5	256.0	37.0	145.0	25.0	1.0	2.0	2.5	17.0
10.0	10.0	5.0	357.0	46.0	22.0	16.0	25.0	2.5	13.0
15.0	225.0	5.0	18.0	168.0					
47102-1112		0.5	8.3	21.0	17.0	66.0	2.5	16.0	37.0
1.1	0.5	166.0	32.0	105.0	25.0	1.0	2.0	2.5	18.0
10.0	10.0	5.0	354.0	42.0	19.0	20.0	53.0	2.5	11.0
15.0	123.0	5.0	16.0	147.0					
47102-1113		0.5	13.5	7.0	5.0	59.0	2.5	7.0	17.0
1.0	0.5	190.0	27.0	61.0	25.0	1.0	2.0	2.5	15.0
10.0	10.0	5.0	323.0	33.0	17.0	22.0	25.0	2.5	6.0
15.0	132.0	5.0	14.0	128.0					
47102-1114		8.0	12.8	70.0	29.0	136.0	2.5	31.0	103.0
0.3	1.0	174.0	46.0	130.5	25.0	1.0	2.0	7.0	9.5
10.0	10.0	5.0	342.0	28.5	31.0	13.0	25.0	2.5	31.0
15.0	107.0	5.0	35.0	216.0					
47102-1115		0.5	12.9	18.0	24.0	84.0	2.5	19.0	35.0
1.2	0.5	121.0	38.0	129.0	25.0	1.0	2.0	2.5	19.0
10.0	10.0	66.0	562.0	59.0	29.0	23.0	93.0	2.5	16.0
15.0	215.0	5.0	24.0	132.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-1116		1.0	16.1	35.0	30.0	104.0	2.5	30.0	55.0
1.3	1.0	143.0	37.0	175.0	25.0	1.0	2.0	2.5	20.0
10.0	10.0	5.0	920.0	53.0	24.0	17.0	64.0	2.5	20.0
15.0	234.0	5.0	24.0	141.0					
47102-1117		0.5	12.8	27.0	30.0	102.0	2.5	26.0	49.0
1.3	0.5	124.0	37.0	165.0	25.0	1.0	2.0	2.5	19.0
10.0	10.0	5.0	611.0	55.0	23.0	16.0	77.0	2.5	20.0
15.0	243.0	5.0	24.0	132.0					
47102-1118		0.5	13.7	24.0	13.0	92.0	2.5	19.0	27.0
1.2	1.0	140.0	33.0	159.0	25.0	1.0	2.0	2.5	22.0
10.0	10.0	5.0	6070.0	99.0	44.0	67.0	71.0	2.5	13.0
15.0	204.0	5.0	37.0	408.0					
47102-1119		0.5	17.0	21.0	12.0	88.0	2.5	17.0	27.0
1.4	0.5	127.0	35.0	142.0	25.0	1.0	2.0	2.5	23.0
10.0	10.0	5.0	4408.0	95.0	40.0	50.0	55.0	2.5	13.0
15.0	182.0	11.0	29.0	390.0					
47102-1120		0.5	14.6	13.0	12.0	80.0	2.5	12.0	26.0
1.2	0.5	153.0	37.0	94.0	25.0	1.0	2.0	2.5	21.0
10.0	10.0	5.0	702.0	68.0	31.0	28.0	25.0	2.5	10.0
15.0	131.0	5.0	18.0	162.0					
47102-1121		2.0	10.2	34.0	9.5	102.0	2.5	11.0	39.0
0.3	2.0	173.0	32.0	109.0	25.0	1.0	2.0	7.0	10.0
10.0	10.0	5.0	2465.0	64.0	56.0	50.5	85.0	2.5	15.0
15.0	182.0	5.0	61.0	774.0					
47102-1122		0.5	7.9	18.0	15.0	103.0	2.5	15.0	29.0
1.2	0.5	158.0	40.0	123.0	25.0	1.0	2.0	2.5	22.0
10.0	10.0	5.0	800.0	67.0	31.0	33.0	92.0	2.5	12.0
15.0	139.0	5.0	22.0	184.0					
47102-1123		17.0	11.0	56.0	11.5	136.0	2.5	12.5	47.0
0.5	2.0	145.0	35.0	118.5	25.0	1.0	2.0	2.5	11.5
10.0	10.0	5.0	2426.0	73.5	63.0	11.0	70.0	2.5	17.0
15.0	84.0	5.0	24.0	169.0					
47102-1124		3.0	17.9	56.0	31.0	141.0	5.0	30.0	54.0
1.6	2.0	111.0	45.0	180.0	25.0	1.0	2.0	2.5	25.0
10.0	10.0	5.0	11851.0	201.0	80.0	18.0	90.0	2.5	16.0
15.0	144.0	5.0	26.0	143.0					
47102-1125		3.0	9.1	35.0	19.0	99.0	2.5	16.0	41.0
1.3	0.5	138.0	47.0	127.0	25.0	1.0	2.0	2.5	23.0
10.0	10.0	5.0	9238.0	180.0	74.0	16.0	25.0	2.5	12.0
15.0	90.0	5.0	21.0	105.0					
47102-1126		3.0	17.1	42.0	23.0	149.0	2.5	15.0	22.5
1.4	1.0	123.0	55.0	136.0	25.0	1.0	2.0	2.5	12.0
10.0	10.0	5.0	1819.0	55.0	49.0	15.0	140.0	2.5	14.0
15.0	76.0	5.0	20.0	102.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-1127		4.0	12.0	81.0	34.0	194.0	10.0	28.0	67.0
1.6	2.0	113.0	47.0	161.0	25.0	1.0	2.0	2.5	24.0
10.0	10.0	5.0	4298.0	148.0	63.0	16.0	100.0	7.0	13.0
15.0	140.0	5.0	23.0	118.0					
47102-1128		0.5	11.9	11.0	5.0	58.0	2.5	10.0	27.0
0.6	0.5	571.0	22.0	49.0	25.0	1.0	2.0	2.5	10.0
10.0	10.0	5.0	641.0	41.0	20.0	8.0	76.0	2.5	6.0
15.0	69.0	5.0	13.0	152.0					
47102-1129		0.5	15.2	38.0	28.0	130.0	2.5	16.0	49.0
0.8	0.5	214.0	34.0	75.0	25.0	1.0	2.0	2.5	15.0
10.0	10.0	5.0	451.0	50.0	27.0	9.0	130.0	2.5	10.0
15.0	84.0	5.0	15.0	111.0					
47102-1130		0.5	13.7	22.0	25.0	109.0	2.5	16.0	47.0
1.1	0.5	346.0	36.0	83.0	25.0	1.0	2.0	2.5	16.0
10.0	10.0	5.0	498.0	51.0	25.0	10.0	178.0	2.5	9.0
15.0	93.0	5.0	16.0	110.0					
47102-1131		0.5	20.0	24.0	34.0	92.0	2.5	22.0	60.0
0.8	0.5	293.0	39.0	143.0	25.0	1.0	2.0	2.5	15.0
0.0	10.0	5.0	741.0	53.0	32.0	8.0	69.0	2.5	14.0
15.0	122.0	5.0	20.0	112.0					
47102-1132		2.0	16.2	15.0	19.0	93.0	2.5	13.0	36.0
0.7	0.5	213.0	39.0	66.0	25.0	1.0	2.0	2.5	13.0
10.0	10.0	5.0	471.0	44.0	24.0	8.0	55.0	2.5	8.0
15.0	85.0	5.0	15.0	84.0					
47102-1133		0.5	19.3	13.0	27.0	110.0	2.5	17.0	35.0
0.9	0.5	249.0	30.0	74.0	25.0	1.0	2.0	2.5	14.0
10.0	10.0	5.0	677.0	50.0	28.0	8.0	183.0	2.5	9.0
15.0	107.0	5.0	16.0	86.0					
47102-1134		0.5	14.1	24.0	31.0	119.0	2.5	13.0	39.0
0.7	0.5	220.0	32.0	67.0	25.0	1.0	2.0	2.5	14.0
10.0	10.0	5.0	582.0	52.0	28.0	9.0	180.0	2.5	7.0
15.0	67.0	5.0	14.0	89.0					
47102-1135		0.5	31.5	22.0	23.0	78.0	2.5	17.0	52.0
0.9	0.5	107.0	33.0	79.0	25.0	1.0	2.0	2.5	11.0
10.0	10.0	5.0	492.0	59.0	33.0	9.0	25.0	2.5	11.0
15.0	97.0	5.0	23.0	100.0					
47102-1136		12.0	12.2	37.0	68.0	215.0	2.5	21.0	109.0
1.4	1.0	285.0	56.0	107.0	25.0	1.0	2.0	2.5	20.0
10.0	10.0	5.0	625.0	77.0	39.0	19.0	25.0	2.5	12.0
15.0	67.0	5.0	17.0	151.0					
47102-1137		115.0	7.2	52.0	76.0	190.0	2.5	31.0	122.0
2.1	0.5	449.0	45.0	108.0	25.0	1.0	2.0	2.5	17.0
10.0	10.0	14.0	502.0	97.0	47.0	38.0	25.0	2.5	13.0
15.0	68.0	5.0	26.0	286.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-1138		23.0	11.7	29.0	55.0	179.0	2.5	21.0	101.0
1.3	0.5	332.0	48.0	100.0	25.0	1.0	2.0	2.5	18.0
10.0	10.0	16.0	583.0	80.0	39.0	15.0	62.0	2.5	14.0
15.0	60.0	5.0	16.0	123.0					
47102-1139		5.0	17.2	24.0	54.0	148.0	2.5	17.0	102.0
1.1	2.0	238.0	53.0	104.0	25.0	1.0	2.0	2.5	18.0
10.0	10.0	5.0	579.0	68.0	36.0	12.0	67.0	2.5	13.0
15.0	64.0	5.0	15.0	110.0					
47102-1140		233.0	23.3	32.0	105.0	211.0	2.5	17.0	103.0
1.4	2.0	221.0	49.0	105.0	25.0	1.0	2.0	2.5	17.0
10.0	10.0	5.0	604.0	71.0	37.0	13.0	25.0	2.5	14.0
15.0	56.0	5.0	14.0	110.0					
47102-1141		6.0	16.7	25.0	53.0	182.0	2.5	17.0	92.0
1.1	0.5	207.0	43.0	106.0	25.0	1.0	2.0	2.5	19.0
10.0	10.0	5.0	0.0	73.0	36.0	14.0	89.0	2.5	13.0
15.0	75.0	5.0	14.0	135.0					
47102-1142		193.0	17.2	38.0	94.0	195.0	2.5	22.0	114.0
1.8	1.0	273.0	48.0	108.0	25.0	1.0	2.0	2.5	18.0
10.0	10.0	28.0	591.0	64.0	30.0	14.0	116.0	2.5	12.0
15.0	58.0	5.0	14.0	112.0					
47102-1143		5.0	25.3	56.0	32.0	123.0	2.5	20.0	101.0
1.2	0.5	206.0	52.0	113.0	25.0	1.0	2.0	2.5	18.0
10.0	10.0	5.0	729.0	68.0	31.0	13.0	109.0	2.5	13.0
15.0	62.0	5.0	14.0	106.0					
47102-1144		0.5	12.8	47.0	38.0	135.0	2.5	21.0	109.0
1.4	0.5	371.0	54.0	119.0	25.0	1.0	2.0	2.5	19.0
10.0	10.0	57.0	813.0	79.0	35.0	15.0	60.0	2.5	13.0
15.0	64.0	5.0	15.0	119.0					
47102-1145		0.5	17.1	40.0	30.0	125.0	2.5	18.0	102.0
1.2	0.5	254.0	53.0	108.0	25.0	1.0	2.0	2.5	18.0
10.0	10.0	5.0	631.0	69.0	32.0	13.0	25.0	2.5	13.0
15.0	60.0	5.0	14.0	102.0					
47102-1146		0.5	15.3	36.0	46.0	154.0	2.5	19.0	102.0
1.3	0.5	243.0	53.0	105.0	25.0	1.0	2.0	2.5	18.0
10.0	10.0	19.0	659.0	63.0	31.0	13.0	84.0	2.5	15.0
15.0	70.0	5.0	14.0	99.0					
47102-1147		33.0	19.1	111.0	57.0	144.0	2.5	19.0	110.0
1.6	0.5	580.0	42.0	102.0	25.0	1.0	2.0	2.5	17.0
10.0	10.0	81.0	613.0	82.0	39.0	17.0	60.0	2.5	14.0
15.0	52.0	5.0	15.0	123.0					
47102-1148		16.0	18.0	82.0	41.0	137.0	2.5	17.0	104.0
1.4	0.5	423.0	45.0	97.0	25.0	1.0	2.0	2.5	19.0
10.0	10.0	181.0	631.0	64.0	31.0	12.0	93.0	2.5	12.0
15.0	53.0	5.0	12.0	106.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-1149		4.0	25.0	36.0	24.0	121.0	2.5	19.0	108.0
1.2	0.5	323.0	58.0	111.0	25.0	1.0	2.0	2.5	18.0
10.0	10.0	5.0	641.0	66.0	32.0	13.0	125.0	2.5	15.0
15.0	38.0	5.0	14.0	108.0					
47102-1150		242.0	17.0	41.0	151.0	145.0	2.5	17.0	102.0
1.8	0.5	741.0	38.0	92.0	25.0	1.0	2.0	2.5	15.0
10.0	10.0	178.0	610.0	64.0	31.0	13.0	25.0	2.5	12.0
15.0	46.0	5.0	12.0	106.0					
47102-1151		0.5	28.6	35.0	27.0	113.0	2.5	16.0	98.0
0.9	0.5	189.0	56.0	105.0	25.0	1.0	2.0	2.5	16.0
10.0	10.0	5.0	615.0	60.0	31.0	13.0	542.0	2.5	13.0
15.0	52.0	5.0	14.0	104.0					
47102-1152		0.5	26.0	28.0	50.0	130.0	2.5	16.0	94.0
0.9	0.5	192.0	48.0	97.0	25.0	1.0	2.0	2.5	15.0
10.0	10.0	5.0	639.0	63.0	32.0	12.0	103.0	2.5	14.0
15.0	53.0	5.0	13.0	100.0					
47102-1153		2.0	19.0	28.0	47.0	131.0	2.5	16.0	95.0
1.1	1.0	214.0	46.0	100.0	25.0	1.0	2.0	2.5	16.0
10.0	10.0	5.0	653.0	65.0	33.0	13.0	62.0	2.5	13.0
15.0	56.0	5.0	13.0	102.0					
47102-1154		0.5	19.9	27.0	39.0	146.0	2.5	17.0	98.0
1.0	2.0	221.0	48.0	99.0	25.0	1.0	2.0	2.5	16.0
10.0	10.0	14.0	671.0	68.0	34.0	12.0	25.0	2.5	13.0
15.0	59.0	5.0	14.0	106.0					
47102-1155		2.0	23.7	8.0	11.0	79.0	2.5	11.0	17.0
1.2	0.5	163.0	25.0	78.0	25.0	1.0	2.0	2.5	14.0
10.0	10.0	5.0	916.0	82.0	45.0	47.0	25.0	2.5	10.0
15.0	236.0	5.0	32.0	352.0					
47102-1156		0.5	26.4	27.0	7.0	79.0	2.5	9.0	26.0
0.5	0.5	173.0	18.0	57.0	25.0	1.0	2.0	2.5	7.0
10.0	10.0	5.0	701.0	49.0	50.0	31.5	25.0	2.5	14.0
15.0	285.0	5.0	35.0	488.0					
47102-1157		0.5	17.0	16.0	5.0	122.0	2.5	25.5	15.0
6.7	2.0	187.0	13.0	141.5	74.0	1.0	2.0	2.5	12.0
10.0	10.0	49.0	212.0	238.0	221.0	147.0	25.0	14.0	16.0
36.0	182.0	40.0	123.0	3445.0					
47102-1158		118.0	25.8	13.0	5.0	72.0	2.5	4.0	14.0
0.3	0.5	148.0	17.0	56.0	25.0	1.0	2.0	22.0	6.0
10.0	10.0	18.0	468.0	40.0	50.0	87.0	25.0	2.5	10.0
15.0	264.0	5.0	37.0	1125.0					
47102-1159		0.5	30.0	18.0	5.0	94.0	2.5	11.5	21.0
1.4	0.5	136.0	15.0	90.0	25.0	1.0	2.0	2.5	7.0
10.0	10.0	21.0	416.0	79.5	82.0	121.5	25.0	2.5	14.0
15.0	263.0	17.0	48.0	1438.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-1160		0.5	20.5	8.0	10.0	58.0	2.5	9.0	31.0
0.9	0.5	364.0	26.0	43.0	25.0	1.0	2.0	2.5	8.0
10.0	10.0	5.0	267.0	35.0	16.0	8.0	25.0	2.5	5.0
15.0	58.0	5.0	14.0	99.0					
47102-1161		0.5	27.3	7.0	5.0	55.0	2.5	9.0	30.0
0.9	0.5	235.0	25.0	43.0	82.0	1.0	2.0	2.5	8.0
10.0	10.0	5.0	261.0	34.0	15.0	7.0	72.0	2.5	5.0
0.0	55.0	5.0	14.0	79.0					
47102-1162		5.0	22.0	8.0	12.0	53.0	2.5	8.0	28.0
0.9	0.5	330.0	24.0	41.0	25.0	1.0	2.0	2.5	7.0
10.0	10.0	5.0	246.0	31.0	14.0	7.0	25.0	2.5	4.0
15.0	55.0	5.0	12.0	76.0					
47102-1163		0.5	16.7	7.0	5.0	52.0	2.5	8.0	27.0
0.6	0.5	368.0	26.0	36.0	25.0	1.0	2.0	2.5	7.0
10.0	10.0	5.0	204.0	30.0	14.0	7.0	25.0	2.5	4.0
15.0	53.0	5.0	12.0	115.0					
47102-1164		0.5	18.4	25.0	26.0	124.0	2.5	20.0	45.0
1.2	0.5	192.0	47.0	92.0	25.0	1.0	2.0	2.5	13.0
10.0	10.0	5.0	778.0	57.0	27.0	11.0	25.0	2.5	10.0
15.0	191.0	5.0	21.0	124.0					
47102-1165		0.5	17.2	11.0	11.0	77.0	2.5	11.0	34.0
0.9	0.5	432.0	43.0	56.0	25.0	1.0	2.0	2.5	10.0
10.0	10.0	5.0	318.0	52.0	24.0	9.0	25.0	2.5	7.0
15.0	86.0	5.0	15.0	127.0					
47102-1166		0.5	23.4	19.0	18.0	65.0	2.5	10.0	32.0
0.3	0.5	113.0	27.0	55.0	25.0	1.0	2.0	2.5	8.0
10.0	10.0	5.0	571.0	38.0	19.0	6.0	25.0	2.5	6.0
15.0	156.0	5.0	14.0	67.0					
47102-1167		0.5	21.1	13.0	15.0	43.0	2.5	4.0	20.0
0.3	0.5	102.0	16.0	38.0	25.0	1.0	2.0	2.5	21.0
10.0	10.0	5.0	411.0	58.0	11.0	0.5	25.0	2.5	5.0
15.0	276.0	5.0	13.0	46.0					
47102-1168		0.5	18.6	19.0	22.0	64.0	2.5	11.0	34.0
0.3	0.5	115.0	25.0	56.0	25.0	1.0	2.0	2.5	9.0
10.0	10.0	5.0	960.0	47.0	23.0	6.0	25.0	2.5	7.0
15.0	164.0	5.0	15.0	66.0					
47102-1169		0.5	14.6	19.0	20.0	74.0	2.5	10.0	32.0
0.3	0.5	128.0	27.0	54.0	25.0	1.0	2.0	2.5	8.0
10.0	10.0	5.0	621.0	38.0	19.0	6.0	25.0	2.5	7.0
15.0	153.0	5.0	14.0	65.0					
47102-1201		1630.0	27.0	29.0	5.0	118.0	2.5	17.5	27.0
2.0	1.0	114.0	20.0	262.0	25.0	1.0	2.0	2.5	15.0
10.0	10.0	41.0	4462.0	149.0	117.0	101.0	53.0	2.5	14.0
27.5	221.0	12.0	55.0	1464.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-1202		3.0	15.9	14.0	15.0	86.0	2.5	12.0	23.0
1.1	1.0	113.0	35.0	91.0	25.0	1.0	2.0	2.5	21.0
10.0	10.0	5.0	1722.0	61.0	28.0	27.0	116.0	2.5	9.0
15.0	125.0	5.0	17.0	135.0					
47102-1203		0.5	19.7	34.0	11.0	70.0	2.5	14.0	21.0
1.0	0.5	110.0	32.0	103.0	25.0	1.0	2.0	2.5	20.0
10.0	10.0	12.0	2156.0	61.0	28.0	47.0	85.0	2.5	8.0
15.0	122.0	5.0	21.0	214.0					
47102-1204		4.0	18.5	38.0	45.0	145.0	2.5	23.0	57.0
0.9	0.5	146.0	32.0	103.0	25.0	1.0	2.0	2.5	14.0
10.0	10.0	5.0	2754.0	40.0	18.0	8.0	25.0	2.5	11.0
15.0	181.0	5.0	17.0	88.0					
47102-1205		3.0	16.2	31.0	41.0	90.0	2.5	23.0	53.0
1.0	0.5	110.0	31.0	101.0	25.0	1.0	2.0	2.5	14.0
10.0	10.0	5.0	3697.0	71.0	31.0	8.0	109.0	2.5	11.0
15.0	193.0	5.0	19.0	87.0					
47102-1206		5.0	23.0	44.0	42.5	114.0	2.5	18.5	87.0
0.5	2.0	177.0	39.0	97.0	25.0	1.0	2.0	6.0	9.0
10.0	10.0	5.0	2772.0	25.5	22.0	0.5	96.0	2.5	20.0
15.0	203.0	5.0	22.0	108.0					
47102-1207		4.0	15.6	23.0	24.0	77.0	2.5	15.0	39.0
1.0	0.5	110.0	33.0	91.0	25.0	1.0	2.0	2.5	16.0
10.0	10.0	5.0	939.0	46.0	20.0	8.0	85.0	2.5	10.0
15.0	143.0	5.0	16.0	85.0					
47102-1208		10.0	23.1	64.0	5.0	113.0	18.0	17.0	56.0
1.4	1.0	89.0	36.0	110.0	25.0	1.0	2.0	2.5	15.0
10.0	10.0	5.0	278.0	15.0	0.5	12.0	73.0	2.5	8.0
15.0	66.0	5.0	15.0	77.0					
47102-1209		14.0	26.0	58.0	5.0	144.0	19.0	20.0	56.0
1.5	2.0	77.0	24.0	136.0	25.0	1.0	2.0	2.5	18.0
10.0	10.0	13.0	209.0	8.0	0.5	53.0	77.0	2.5	10.0
15.0	51.0	5.0	25.0	234.0					
47102-1210		4.0	18.4	68.0	17.0	174.0	7.0	19.0	47.0
0.8	2.0	112.0	59.0	81.0	25.0	1.0	2.0	2.5	18.0
10.0	10.0	5.0	276.0	44.0	16.0	12.0	129.0	2.5	9.0
15.0	176.0	5.0	17.0	107.0					
47102-1211		0.5	21.4	21.0	13.0	90.0	2.5	13.0	25.0
0.8	0.5	118.0	46.0	57.0	25.0	1.0	2.0	2.5	14.0
10.0	10.0	5.0	5257.0	49.0	20.0	32.0	59.0	2.5	7.0
15.0	117.0	5.0	19.0	169.0					
47102-1212		2.0	18.8	42.0	17.0	89.0	2.5	16.0	42.0
1.1	0.5	197.0	56.0	102.0	25.0	1.0	2.0	2.5	15.0
10.0	10.0	5.0	387.0	46.0	25.0	42.0	25.0	2.5	10.0
15.0	133.0	5.0	20.0	270.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-1213		0.5	16.2	68.0	17.0	96.0	2.5	21.0	84.0
1.5	0.5	225.0	51.0	105.0	25.0	1.0	2.0	2.5	18.0
10.0	10.0	5.0	748.0	71.0	32.0	17.0	82.0	12.5	12.0
15.0	74.0	5.0	15.0	109.0					
47102-1214		0.5	16.9	73.0	18.0	127.0	2.5	25.0	111.0
1.1	0.5	246.0	59.0	94.0	25.0	1.0	2.0	2.5	17.0
10.0	10.0	5.0	914.0	59.0	28.0	12.0	25.0	2.5	12.0
15.0	81.0	5.0	14.0	97.0					
47102-1215		0.5	15.9	129.0	40.0	184.0	2.5	20.0	96.0
1.2	0.5	233.0	55.0	104.0	25.0	1.0	2.0	2.5	16.0
10.0	10.0	5.0	689.0	59.0	28.0	13.0	94.0	2.5	12.0
15.0	80.0	5.0	13.0	102.0					
47102-1216		0.5	23.5	65.0	35.0	122.0	2.5	18.0	100.0
1.0	2.0	281.0	59.0	101.0	25.0	1.0	2.0	2.5	18.0
10.0	10.0	30.0	620.0	80.0	38.0	12.0	51.0	2.5	11.0
15.0	53.0	5.0	13.0	102.0					
47102-1858		45.0	5.3	41.0	5.0	289.0	11.0	38.5	114.0
0.3	1.0	20000.0	11.0	178.5	25.0	1.0	2.0	43.0	25.0
10.0	10.0	5.0	214.0	28.0	24.0	27.0	25.0	6.0	15.0
15.0	32.0	11.0	47.0	421.0					
47102-2000		314.0	19.2	10955.0	434.0	460.0	558.0	30.0	31.0
0.7	2.0	232.0	4.0	59.0	199.0	1.0	20.4	26.0	86.0
10.0	10.0	1000.0	89.0	161.0	26.0	0.5	86.0	2.5	8.0
15.0	0.5	5.0	23.0	81.0					
47102-2858		4.5	36.6	58.0	6.0	235.0	12.0	32.5	100.0
0.3	1.0	19602.0	11.0	145.5	25.0	1.0	2.0	24.0	19.0
10.0	10.0	5.0	164.0	33.5	26.0	24.0	25.0	2.5	14.0
21.5	40.0	5.0	37.0	184.0					
47102-3007-H		31.0	45.3	23.0	11.5	86.0	14.0	6.5	14.0
0.3	1.0	118.0	16.0	90.5	25.0	1.0	2.0	7.0	14.5
10.0	10.0	54.0	166.0	65.5	57.0	126.5	25.0	2.5	9.0
15.0	51.0	23.0	102.0	1150.0					
47102-3007-K		4.0	49.7	84.0	5.0	154.0	18.0	44.0	34.0
8.3	2.0	88.0	13.0	247.5	25.0	1.0	2.0	2.5	26.5
10.0	10.0	168.0	337.0	86.5	75.0	352.5	25.0	18.5	11.0
82.5	79.0	45.0	104.0	3273.0					
47102-3007-L		12.0	19.8	53.0	5.0	167.0	10.0	11.5	39.0
0.3	2.0	156.0	22.0	178.5	25.0	1.0	2.0	16.0	10.5
10.0	10.0	15.0	950.0	72.5	55.0	112.0	50.0	2.5	12.0
15.0	170.0	16.0	47.0	991.0					
47102-3007-N		590.0	5.2	27.0	7.0	126.0	15.0	19.0	18.0
3.8	3.0	311.0	13.0	254.5	25.0	1.0	2.0	2.5	20.5
10.0	10.0	106.0	216.0	81.0	71.0	285.0	54.0	3.5	10.0
52.5	52.0	45.0	107.0	2744.0					

Ech		Au	po	Cu	Pb	Zn	Mo	Co	Ni
Ag	Cd	Cr	Li	V	As	B	Be	Bi	Ga
Te	Tl	W	Ba	Ce	La	Nb	Rb	Sb	Sc
Sn	Sr	Ta	Y	Zr					
47102-3066		7.0	115.1	54.0	5.0	101.0	11.0	9.5	34.0
0.3	2.0	671.0	19.0	174.0	25.0	1.0	2.0	20.0	14.0
10.0	10.0	914.0	5555.0	75.5	56.0	91.5	25.0	2.5	9.0
16.0	359.0	16.0	39.0	1028.0					
47102-4000		25.0	8.2	813.0	592.0	1066.0	41.0	53.0	96.0
2.7	8.0	489.0	8.0	68.0	198.0	1.0	27.3	11.0	15.0
10.0	10.0	82.0	1005.0	40.0	21.0	7.0	143.0	12.0	6.0
15.0	40.0	5.0	20.0	89.0					
47102-6000		39.0	56.5	131.0	46.0	194.0	2.5	32.0	76.0
4.0	1.0	911.0	25.0	485.0	25.0	1.0	31.2	8.0	39.0
10.0	10.0	32.0	431.0	2497.0	1139.0	320.0	60.0	2.5	16.0
15.0	120.0	25.0	68.0	1110.0					
47102-7000		3.0	34.0	30.0	27.0	59.0	2.5	10.0	29.0
0.3	0.5	97.0	23.0	60.0	25.0	1.0	5.8	2.5	13.0
10.0	10.0	5.0	699.0	36.0	19.0	6.0	83.0	6.0	7.0
15.0	157.0	5.0	13.0	67.0					
47102-10066		4.0	71.5	38.0	5.0	105.0	9.0	10.5	41.0
0.5	2.0	160.0	35.0	94.0	25.0	1.0	2.0	6.0	11.5
10.0	10.0	122.0	2947.0	34.5	33.0	40.5	25.0	2.5	10.0
15.0	182.0	12.0	23.0	444.0					
47102-10858		9.0	4.5	95.0	23.5	125.0	13.0	21.5	62.0
0.5	0.5	6254.0	17.0	63.0	25.0	1.0	2.0	7.0	13.0
10.0	10.0	5.0	383.0	38.5	33.0	40.5	66.0	2.5	11.0
15.0	46.0	5.0	55.0	616.0					
47102-20858		4.5	4.2	30.0	16.5	85.0	17.0	14.0	49.0
0.3	0.5	6320.0	17.0	51.5	103.0	1.0	2.0	24.0	14.0
10.0	10.0	13.0	406.0	48.5	51.0	114.0	25.0	7.5	14.0
15.0	43.0	5.0	170.0	2349.0					
47102-30858		0.5	24.7	48.0	27.0	95.0	7.0	24.0	59.0
1.0	1.0	2276.0	14.0	83.0	25.0	1.0	2.0	2.5	18.0
10.0	10.0	5.0	200.0	57.0	21.0	25.0	25.0	2.5	9.0
15.0	42.0	5.0	24.0	186.0					
47102-40858		1.0	43.5	78.0	20.5	188.0	15.0	26.5	121.0
0.7	2.0	10766.0	11.0	93.5	25.0	1.0	2.0	12.0	13.5
10.0	10.0	11.0	1287.0	32.5	26.0	20.0	69.0	2.5	12.0
15.0	59.0	5.0	36.0	330.0					
47102-50858		0.5	25.4	50.0	5.0	173.0	9.0	25.0	83.0
0.5	1.0	15998.0	13.0	104.0	25.0	1.0	2.0	18.0	18.5
10.0	10.0	5.0	705.0	34.0	29.0	36.0	25.0	2.5	13.0
15.0	49.0	5.0	54.0	507.0					