

GEOCHEMICAL DATA FOR HONG KONG STREAM SEDIMENTS

GEO REPORT No. 230

R.J. SEWELL

**GEOTECHNICAL ENGINEERING OFFICE
CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT
THE GOVERNMENT OF THE HONG KONG
SPECIAL ADMINISTRATIVE REGION**

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PREFACE

In keeping with our policy of releasing information which may be of general interest to the geotechnical profession and the public, we make available selected internal reports in a series of publications termed the GEO Report series. The GEO Reports can be downloaded from the website of the Civil Engineering and Development Department (<http://www.cedd.gov.hk>) on the Internet. Printed copies are also available for some GEO Reports. For printed copies, a charge is made to cover the cost of printing.

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R.K.S. Chan

Head, Geotechnical Engineering Office
July 2008

FOREWORD

This report is a compilation of all stream sediment geochemical data for Hong Kong held within the Hong Kong Geological Survey archive. It comprises the raw data upon which geochemical maps and interpretations in the Geochemical Atlas of Hong Kong have been based.

The report has been written and compiled by Dr R.J. Sewell of the Hong Kong Geological Survey in the Planning Division.



(K.C. Ng)

Ag. Chief Geotechnical Engineer/Planning

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1. INTRODUCTION

During the mid-1990's, the Hong Kong Geological Survey carried out a comprehensive drainage-based regional geochemical survey by systematically sampling and analysing stream sediments from all of the major catchments within the Hong Kong Special Administrative Region (SAR). The main aim of the survey was to establish the overall natural background levels of a wide range of elements for use in determining contamination criteria for offshore contaminated sediments.

The basic data give valuable information on the distribution of trace elements in the weathering zone environment and also indicate areas of metallic mineralisation. The panned concentrates help in distinguishing between the natural distribution patterns of elements controlled by the underlying geology and those related to superimposed man-made contamination. Potential applications of the geochemical data include land use planning, environmental monitoring and pollution control, waste management, the recognition of the effects of trace element deficiency or toxicity on crops, and various aspects of human and animal health.

So far, the basic data have been used primarily by the Hong Kong Geological Survey to assist with modelling of geological processes (e.g. Sewell, 1997), and with the compilation of a geochemical atlas of Hong Kong (Sewell, 1999). Except for a handful of representative analyses, most of this information remains unpublished. This report provides a comprehensive listing of all raw stream sediment analytical geochemical analyses currently held in the Hong Kong Geological Survey archive, and should be read in conjunction with the "Geochemical Atlas of Hong Kong" (Sewell, 1999).

2. SAMPLING

The bulk of the sampling for the analytical data set, which comprises 2246 stream sediment analyses, took place during the winters of 1993-94, 1994-95 and 1995-96 at an average sampling density of one sample per 0.5 km². Methods used for collection of samples followed those recommended in Ball (1993). Samples for geochemical analysis were collected, as far as possible, upstream of any potential source of contamination, such as concrete weirs, human habitation, tracks or roads. A sieve set comprising a wooden dulang type pan, a coarse (2 mm) sieve and a 100 mesh (#) fine sieve were employed. Sediment obtained from the middle part of the stream bed was sifted through the coarse sieve. Approximately 50 g of material finer than 150 µm was collected in the pan and transferred to a Kraft[®] paper bag. A heavy mineral concentrate was then obtained by panning 1 - 2 kg of stream sediment screened through the 2 mm sieve.

3. METHODS USED IN STREAM SEDIMENT GEOCHEMICAL ANALYSIS

3.1 Introduction

Two main analytical methods have generally been employed in obtaining the stream sediment geochemical data: Inductively Coupled Plasma Atomic Emission Spectrometry (ICP-AES) and X-ray fluorescence spectrometry (XRF). Analytical work was undertaken at in two phases at two laboratories operating identical machines and software. Each sample

was analyzed for thirty-six elements with major elements expressed in weight percent oxide (wt%) and trace elements in parts per million (ppm).

The first 625 stream sediment samples were analyzed at the University of Nottingham, U.K. Except for Ag, Cd, Cu, Co, Mo, and Se, which were carried out by ICP-AES, all the elements concentrations reported for these samples were determined by XRF. Operating conditions were 40 kV and 50 mA. Limits of detection for XRF and ICP analyses used at the University of Nottingham are shown in Table 1.

The remaining 1,621 samples were analyzed at the University of Leicester, U.K. With the exception of Ag, Cd, and Se, which were measured by ICP, all the element data for these samples were determined by XRF. Limits of detection for XRF and ICP analyses used at the University of Leicester are shown in Table 2.

The main purpose of keeping with XRF as the main analytical tool was to minimize errors caused by differences in machine precision and accuracy. The bulk of the analytical work was completed in 1997.

Brief descriptions of the analytical methods are given below.

3.2 Inductively Coupled Plasma Atomic Emission Spectrometry

ICP-AES is a 'flame' technique involving a flame temperature in the range 6000 - 10 000°K. At the time the first batch of sediment samples was analyzed, a monochromator was used for detection which made it necessary for all elements to be analyzed sequentially. The analytical process was slow and laborious, resulting in a total time of at least one hour per sample. Owing to the high cost involved in obtaining accurate and precise data, the method was later abandoned in favour of the more cost-efficient XRF technique.

In ICP-AES, rock samples are first dissolved using standard silicate dissolution methods, and the solution is then passed as an aerosol from a nebulizer into an argon plasma. The inductively coupled plasma is a stream of argon atoms, heated by the inductive heating of a radio-frequency coiled and ignited by a high frequency Tesla spark. The sample dissociates in the argon plasma and a large number of atomic and ionic spectral lines are excited. The spectral lines are detected by a range of photomultipliers, compared with calibration lines, and their intensities converted into concentrations.

Stream sediment solutions of Hong Kong samples were prepared using a lithium metaborate fusion procedure. Solutions were then presented to the plasma alternately with a single element standard. The system comprised a Plasma-Therm 2.5 kW ICP Generator and torch-box with an automatic power control and matching network. The plasma torch used a radio frequency of 27.12 MHz and was coupled to a Spex 1802 scanning spectrometer with a x2 image of the torch focused on the slit. The detection system comprised a Spex DPC-2 amplifier which integrated the analytical signal for 10 s. Instrumental parameters used were as follows: Plasma Power 1-1.5kW, coolant argon 12 l/min, Nebulizer Argon c. 1 l/min, auxilliary Argon 0.4 l/min, Spectrometer entrance slit 20 µm, Spectrometer exit slit 20 µm.

3.3 X-ray Fluorescence Spectrometry

XRF is a technique which provides rapid, accurate and precise analysis for a wide range of geological materials. The material is generally supplied as a homogenous fine-grained powder and prepared either as pressed powder pellets or fusion beads for analysis. When both pressed powder pellets and fusion beads are used, a wide range of elements can be routinely analyzed from parts per million to near 100%.

The general principle of XRF spectrometry is that a sample is irradiated with primary X-rays, which excites secondary X-rays with wavelengths characteristic of the elements present in the sample. The intensity of the secondary X-rays is used to determine the concentration of elements present by reference to calibration standards with appropriate corrections made for instrumental errors.

The sediment samples were prepared for analysis using the methods outlined by Harvey (1989) and Brewer et al. (1998). Six to eight grams of sediment powder was required to make pressed powder pellets following the addition of a few millilitres of an inert PVP-methylcellulose binder. Glass fusion beads were used for major element analysis, and these were made by combining c. 0.4 g of sediment powder with ca. 2.0 g of Li-La tetraborate flux, using the method described by Harvey et al. (1973). All samples were analysed on a Phillips PW1400 XRF spectrometry using a 3-kW generator with a Rh-tube and the Compton ratio technique was used for mass absorption correction (Harvey, 1989). Major element analyses include the loss-on-ignition value (LOI), which represents a weight loss following ignition of the rock powder at 1050°C for 45 minutes. Precision and accuracy were monitored by the use of international reference materials and in-house standards (Table 3) and the precision of the major elements is better than 0.5% and for the trace elements precision is better than 5%.

4. PRESENTATION OF RESULTS

Information on the location, site and catchment geology, contamination, land use, and other features recorded at each sample site is listed in Appendix A. Analytical data are presented in Appendix B.

Stream sediment samples in the SAR-wide sample collection archived by the Hong Kong Geological Survey are prefixed HK followed by the serial number, e.g. HK 9872.

Grid references are based on the Hong Kong 1980 Metric Grid as shown on the Hong Kong Geological Survey 1:20 000-scale Geological Maps 2-16 (HGM20 Series). Eight-figure references indicate positions to the nearest 10 m, with Eastings followed by Northings, e.g. 2200 2230.

Analytical data are presented with major element oxides in wt% and trace elements in ppm.

5. DIGITAL DATA SETS

The stream sediment geochemical data are available in ArcGIS format to facilitate their

general use on a GIS platform. Requests for access to and use of the digital data should be made in writing the Chief Geotechnical Engineer/Planning, Geotechnical Engineering Office (GEO), Civil Engineering and Development Department.

6. CONCLUSIONS

A total of 2,246 stream sediment geochemical analyses are presented in this report. The analyses comprise five major element oxides and thirty-two trace elements. The geochemical data are the raw analytical data from which geochemical maps in the “Geochemical Atlas of Hong Kong” (Sewell, 1999) have been derived. The data are readily available in digital form but their release and usage is guided by GEO procedures (GEO, 2004) on the release of digital data.

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Table 1 - Limits of Detection for Elements Analysed at the University of Nottingham, U.K.

	XRF	ICP		XRF	ICP
Ag ppm	-	0.1	Nb ppm	1	-
As ppm	1	-	Ni ppm	2	-
Ba ppm	10	-	P ₂ O ₅ wt%	0.01	-
Bi ppm	1	-	Pb ppm	2	-
CaO wt%	0.01	-	Rb ppm	1	-
Cd ppm	-	0.1	Sb ppm	1	-
Ce ppm	7	-	Sc ppm	2	-
Co ppm	2	0.1	Se ppm	-	0.2
Cr ppm	2	-	Sn ppm	1	-
Cs ppm	2	-	Sr ppm	1	-
Cu ppm	1	0.1	Th ppm	1	-
Fe ₂ O ₃ wt%	0.01	-	TiO ₂ wt%	0.01	-
Ga ppm	1	-	U ppm	1	-
Ge ppm	2	-	V ppm	2	-
Hg ppm	-	-	W ppm	1	-
La ppm	1	-	Y ppm	1	-
MnO wt%	0.01	-	Zn ppm	2	-
Mo ppm	1	0.1	Zr ppm	3	-

Table 2 - Limits of Detection for Elements Analysed at the University of Leicester, U.K.

	XRF	ICP		XRF	ICP
Ag ppm	-	0.2	Nb ppm	1	-
As ppm	1	-	Ni ppm	2	-
Ba ppm	8	-	P ₂ O ₅ wt%	0.01	-
Bi ppm	1	-	Pb ppm	2	-
CaO wt%	0.01	-	Rb ppm	1	-
Cd ppm	-	0.2	Sb ppm	1	-
Ce ppm	7	-	Sc ppm	1	-
Co ppm	3	-	Se ppm	-	0.2
Cr ppm	3	-	Sn ppm	2	-
Cs ppm	1	-	Sr ppm	1	-
Cu ppm	1	-	Th ppm	1	-
Fe ₂ O ₃ wt%	0.01	-	TiO ₂ wt%	0.01	-
Ga ppm	1	-	U ppm	1	-
Ge ppm	1	-	V ppm	2	-
Hg ppm	1	-	W ppm	2	-
La ppm	4	-	Y ppm	1	-
MnO wt%	0.01	-	Zn ppm	3	-
Mo ppm	1	-	Zr ppm	3	-

Table 3 - Comparison of International Laboratory Standards with Reference Materials.

	W-1 (Basalt)		GXR-3		GXR-2		GXR-1		G-2 (Granite)		GSP-1 (Granodiorite)		MA-N		MRG-1 (Gabbro)		STM-1	
Element	Rec. value	Mean	Rec. value	Mean	Rec. value	Mean	Rec. value	Mean	Rec. value	Mean	Rec. value	Mean	Rec. value	Mean	Rec. value	Mean	Rec. value	Mean
As ppm	2	1	3970	3949	25	26	427	424	0.25	3	0.10	0.00	12	11.5	0.7	0	4.6	6
Ba ppm	162	164	5000	4921	2240	2264	750	781	1882	1834	1310	1242	42	44	61	65	560	563
Bi ppm	0.04	0	6	no info.	no info.	3	1380	1375	0.04	no info.	< 1	1	no info.	7	0.13	0	0.13	0
CaO wt%	10.99	11.04	19	18.7	1.30	1.3	1.34	1.48	1.96	1.72	2.07	2.01	0.59	0.495	14.7	14.735	1.09	1.01
Ce ppm	24	24.5	18	19	51	56	17	20	160	158	399	399.5	no info.	no info.	26	27	259	260
Co ppm	47	51	46	44	8.6	6.5	8.2	10	4.6	5.5	6.6	5	1	1.5	87	85	0.9	0
Cr ppm	119	112	19	no info.	36	32	12	14	8.7	5.5	13	17	3	3	430	432	4.3	3.5
Cs ppm	0.96	0	175	171	5	1.5	3	0	1.3	1.5	1	2.5	640	638	0.57	1.5	1.5	2
Cu ppm	113	110	15	15	76	72	1110	1113	11	11	33	33	140	141	134	134	4.6	5
Fe ₂ O ₃ wt%	11.12	10	27.2	24	2.66	3.1	33.8	34	2.66	2.63	4.29	4.28	0.47	0.45	17.94	17.56	5.22	5.51
Ga ppm	17	16	18	15	37	45	13.8	10	23	23	23	23	59	59	17	17	36	42
Ge ppm	1.7	2	110	110.5	no info.	3	no info.	6	1.14	3	1	2	3.5	6	no Info.	3	1.4	1
La ppm	11	11	9	11	26	25	7.5	5	89	95	184	181	0.5	0	9.8	10	150	150
MnO wt%	0.17	0.16	2.88	2.38	0.13	0.16	0.11	0.12	0.03	0.03	0.04	0.04	0.04	0.05	0.17	0.15	0.22	0.24
Mo ppm	0.75	1	7	6	2	1.8	18	18	1.1	1	0.8	0.9	0.3	0.5	0.87	0.85	5.2	5.3
Nb ppm	9.9	8	44	45	11	11	0.8	0	12	11	27.9	31	173	174	20	20.5	268	265
Ni ppm	75	76	6	5	21	15.5	41	39	5	1.5	8.8	9	3	1.5	193	192.5	3	4.5
P ₂ O ₅ wt%	0.13	0.14	0.25	0.27	0.24	0.19	0.15	0.12	0.14	0.15	0.28	0.17	1.39	1.4	0.08	0.07	0.16	0.13
Pb ppm	7.5	7	15	18	690	689	730	724	30	24	55	57.5	29	32	10	9.5	17.7	17.5
Rb ppm	21.4	20	92	99	78	81	14	16	170	167	254	253.5	3600	3594	8.5	9.5	118	121
Sb ppm	1.04	2	38	41	49	52	122	124	0.07	0.5	3.2	3	1.7	2.5	0.86	1.00	1.7	3
Sc ppm	35	35	16.8	17	7	6.5	1.6	3	3.5	4.5	6.2	6.5	0.2	1	55	54.5	0.6	1
Sn ppm	2.7	2.5	1.7	0	2	no info.	54	60	1.8	no info.	6.6	4.5	900	903	3.6	5.5	6.8	7.5
Sr ppm	186	186	950	956	160	160	275	273	478	479	234	236	84	82	266	265	700	712
Th ppm	2.4	2.5	2.9	0.5	8.8	11	2.4	3.5	24.7	30.5	106	99.5	1.4	0.5	0.93	1.5	31	32
TiO ₂ wt%	1.07	1	0.17	0.2	0.5	0.6	0.06	0.08	0.48	0.5	0.65	0.72	0.01	0.03	3.77	3.79	0.14	0.14
U ppm	0.6	1	3	1	2.9	0.5	34.9	35	2	4	2.5	2.5	12.5	12	0.24	1.5	9	9.5
V ppm	257	254	42	46	52	50	80	76	36	35	53	53	0.2	2	526	526	8.7	4
W ppm	0.46	0	10700	10676	2	1.5	164	164	0.2	2.5	0.3	no Info.	70	68.5	0.3	1	3.6	4.5
Y ppm	26	27	15	14	17	14	32	18.5	11	9.5	26	25.5	0.4	0	14	15	46	47
Zn ppm	84	82	207	212	530	500	760	752	86	83	104	105.5	220	218	191	190	235	222
Zr ppm	99	98	63	63	269	264	38	39	309	304	530	528	25	23	108	110	1210	1213

APPENDIX A

DESCRIPTION AND LOCATION OF ANALYSED SAMPLES

TABLE OF ABBREVIATIONS

Sample Name	HKGS Sample Number
East	Easting
North	Northing
Sheet	HKGS Map Sheet Number
Locality	General Sample Locality
Drainage Type	General Drainage Type
Drainage Condition	General Drainage Condition
Contamination	Visible Contamination

Sample Name	East	North	Sheet	Locality	Drainage Type	Drainage Condition	Contamination
HK0001	836740	831970	7NW	TAI PO KAU NATURE RESERVE	SMALL RIVER	MODERATE FLOW	
HK0002	842345	840395	3SE	BRIDES POOL RESERVE	SMALL STREAM	LOW FLOW	IRON/STEEL WIRES, BRICKS, COLOURED GLASS
HK0003	842385	840535	3SE	BRIDES POOL RESERVE	SMALL STREAM	LOW FLOW	
HK0004	834230	826520	7SW	NEEDLE HILL	SMALL STREAM	LOW FLOW	BRICKS, CONCRETE
HK0005	842520	840640	3SE	BRIDES POOL RESERVE	PADDY FIELD	DRY	
HK0006	842105	841580	3SE	BRIDES POOL RESERVE	PADDY FIELD	DRY	
HK0007	842075	840970	3SE	BRIDES POOL RESERVE	SMALL STREAM	LOW FLOW	COLOURED GLASS
HK0008	837640	832480	7NE	TAI PO KAU	STREAM	DRY	
HK0009	831620	832090	7NW	NG TUNG CHAI	STREAM	MODERATE FLOW	PLASTICS
HK0010	842920	840555	3SE	WU KAU TANG	SMALL RIVER	MODERATE FLOW	IRON/STEEL WIRE, POTTERY, TILES, BRICKS, GLAZED CHINA
HK0011	843015	840640	3SE	WU KAU TANG	SMALL STREAM	MODERATE FLOW	CERAMICS, CLEAR GLASS, COLOURED GLASS
HK0012	843020	840530	3SE	WU KAU TANG	PADDY FIELD	DRY	DOMESTIC EFFLUENT
HK0013	842635	839095	3SE	CHUNG MEI	SMALL RIVER	STRONG FLOW	METAL, CLEAR GLASS, PLASTICS
HK0014	842330	841100	3SE	WU KAU TANG	SMALL STREAM	LOW FLOW	COLOURED GLASS
HK0015	842320	841220	3SE	WU KAU TANG	DRAINS	LOW FLOW	
HK0016	843180	841100	3SE	WU KAU TANG	STREAM	MODERATE FLOW	PLASTICS
HK0017	843240	841340	3SE	WU KAU TANG	SMALL STREAM	LOW FLOW	
HK0018	843300	841335	3SE	WU KAU TANG	SMALL STREAM	MODERATE FLOW	CONCRETE PIPE POSTS
HK0019	843370	840405	3SE	KAU TAM TSO	STREAM	MODERATE FLOW	IRON/STEEL WIRE, POTTERY, BRICKS, COLOURED GLASS, PLASTICS
HK0020	843550	840500	3SE	KAU TAM TSO	SMALL STREAM	LOW FLOW	BRICKS
HK0021	843640	840435	3SE	KAU TAM TSO	STREAM	MODERATE FLOW	IRON/STEEL WIRE
HK0022	843730	840290	3SE	KAU TAM TSO	STREAM	MODERATE FLOW	CONCRETE
HK0023	843760	840260	3SE	KAU TAM TSO	SMALL STREAM	LOW FLOW	
HK0024	843735	840155	3SE	KAU TAM TSO	STREAM	MODERATE FLOW	
HK0025	843820	840070	3SE	KAU TAM TSO	SMALL STREAM	LOW FLOW	
HK0026	843770	840045	3SE	KAU TAM TSO	STREAM	MODERATE FLOW	
HK0027	843740	840470	3SE	KAU TAM TSO	SMALL STREAM	LOW FLOW	
HK0028	843735	840410	3SE	KAU TAM TSO	SMALL STREAM	MODERATE FLOW	PAPER, PLASTICS
HK0029	843925	840460	3SE	KAU TAM TSO	SMALL STREAM	MODERATE FLOW	PLASTICS
HK0030	843960	840500	3SE	KAU TAM TSO	SMALL STREAM	PONDED WITH DRY SECTIONS	
HK0031	843935	840535	3SE	KAU TAM TSO	SMALL STREAM	LOW FLOW	PLASTICS, PAPER
HK0032	844005	840670	3SE	KAU TAM TSO	SMALL STREAM	MODERATE FLOW	PLASTICS, PAPER
HK0033	843960	840735	3SE	KAU TAM TSO	SMALL STREAM	MODERATE FLOW	
HK0034	844060	840680	3SE	KAU TAM TSO	SMALL STREAM	MODERATE FLOW	
HK0035	844820	830660	7NE	SHAP SZ HEUNG	STREAM	MODERATE FLOW	CONCRETE, PIPE
HK0036	844815	830640	7NE	SHAP SZ HEUNG	SMALL STREAM	MODERATE FLOW	
HK0037	844805	830650	7NE	SHAP SZ HEUNG	STREAM	MODERATE FLOW	
HK0038	844720	830620	7NE	NGAU NGAK SHAN	STREAM	STRONG FLOW	
HK0039	844660	830550	7NE	NGAU NGAK SHAN	SMALL STREAM	MODERATE FLOW	
HK0040	844910	830720	7NE	NGAU NGAK SHAN	SMALL STREAM	LOW FLOW	CERAMICS, CONCRETE
HK0041	844790	831060	7NE	NGAU NGAK SHAN	SMALL STREAM	LOW FLOW	
HK0042	844930	830925	7NE	NGAU NGAK SHAN	SMALL STREAM	MODERATE FLOW	METAL, IRON/STEEL WIRE, POTTERY, BRICKS, PLASTICS, CONCRETE

Sample Name	East	North	Sheet	Locality	Drainage Type	Drainage Condition	Contamination
HK0043	844700	832150	7NE	KWUN HANG	SMALL STREAM	LOW FLOW	METAL, CERAMICS, POTTERY, TILES, BRICKS, CLEAR GLASS, PLASTICS, CONCRETE
HK0044	844670	832040	7NE	KWUN HANG	DRAINS	MODERATE FLOW	POTTERY
HK0045	844590	831865	7NE	KWUN HANG	DRAINS	MODERATE FLOW	GLASS, CLEAR GLASS, COLOURED GLASS
HK0046	844480	831760	7NE	KWUN HANG	DRAINS	DRY	CERAMICS, POTTERY, TILES, PLASTICS
HK0047	844090	832340	7NE	SAI O	SMALL STREAM	MODERATE FLOW	POTTERY, BRICKS, CLEAR GLASS, CONCRETE
HK0048	843780	832080	7NE	CHEUNG MUK TAU	STREAM	MODERATE FLOW	
HK0049	842290	831070	7NE	MA ON SHAN	SMALL STREAM	LOW FLOW	IRON/STEEL WIRE, CERAMICS, POTTERY, TILES, BRICKS, GLAZED CHINS, PLASTICS
HK0050	842375	831220	7NE	MA ON SHAN	SMALL STREAM	MODERATE FLOW	IRON/STEEL WIRE, POTTERY, TILES, BRICKS, PLASTICS
HK0101	842090	828090	7SE	CHEVALIER GARDEN VALLEY	SMALL STREAM	MODERATE FLOW	POTTERY, COLOURED GLASS
HK0102	842400	827920	7SE	CHEVALIER GARDEN VALLEY	STREAM 3-10m	MODERATE FLOW	BRICKS
HK0103	842440	828110	7SE	CHEVALIER GARDEN VALLEY	SMALL STREAM <3m	MODERATE FLOW	
HK0104	835070	825500	7SW	LOWER SHING MUN RESERVOIR	SMALL STREAM <3m	MODERATE FLOW	CONCRETE
HK0105	835020	825560	7SW	SHING MUN RESERVOIR	SMALL STREAM <3m	MODERATE FLOW	
HK0106	834990	826640	7SW	HEUNG FAN LIU VILLAGE, TAI WAI	SMALL STREAM <3m	MODERATE FLOW	CONCRETE
HK0107	835070	826910	7SW	HEUNG FAN LIU, TAI WAI	SMALL STREAM <3m	MODERATE FLOW	CONCRETE
HK0108	835030	827040	7SW	ABOVE SHING MUN PORTAL, BACK OF	SMALL STREAM <3m	MODERATE FLOW	
HK0109	834980	827140	7SW	SHING MUN PORTAL(EAST)	SMALL STREAM <3m	MODERATE FLOW	RUBBER
HK0110	835040	827130	7SW	SHING MUN PORTAL(EAST)	SMALL STREAM <3m	MODERATE FLOW	IRON/STEEL WIRE
HK0111	835290	827040	7SW	SHING MUN TUNNEL EAST PORTAL	SMALL STREAM <3m	MODERATE FLOW	IRON/STEEL WIRE, RUBBER
HK0112	835480	827400	7SW	SHING MUN TUNNEL EAST PORTAL	DRAINS	DRY	TILES
HK0113	835490	827470	7SW	SHING MUN TUNNEL EAST PORTAL, IN VILLAGE	STREAM 3-10m	MODERATE FLOW	IRON/STEEL WIRE
HK0114	835440	827570	7SW	SHING MUN TUNNEL EAST PORTAL	SMALL STREAM <3m	MODERATE FLOW	COLOURED GLASS, RUBBER
HK0115	835470	827600	7SW	SHING MUN TUNNEL EAST PORTAL	SMALL STREAM <3m	MODERATE FLOW	
HK0116	835240	826430	7SW	SHING MUN RIVER	DRAINS	LOW FLOW	CONCRETE, POTTERY, COLOURED GLASS, PLASTICS, DOMESTIC EFFLUENT
HK0117	835150	826360	7SW	SHING MUN RIVER, HEUNG FAN LIU	SMALL STREAM <3m	LOW FLOW	POTTERY, GLASS, RUBBER, FARM EFFLUENT, LIQUID FERTILISERS
HK0118	835080	826320	7SW	SHING MUN RIVER, HEUNG FAN LIU	SMALL STREAM <3m	MODERATE FLOW	IRON/STEEL WIRE, TILES, COLOURED GLASS, PLASTICS, RUBBER, FARM EFFLUENT, AGRO-CHEMICALS
HK0119	835300	826410	7SW	SHING MUN RIVER	SMALL STREAM <3m	LOW FLOW	IRON/STEEL WIRE, BRICKS, COLOURED GLASS, PLASTICS, RUBBER, DOMESTIC EFFLUENT, LIQ. FERT

Sample Name	East	North	Sheet	Locality	Drainage Type	Drainage Condition	Contamination
HK0120	835460	826230	7SW	SHING MUN RIVER	SMALL STREAM <3m	MODERATE FLOW	CONCRETE
HK0121	836330	827600	7SW	YAU OI TSUEN SHATIN, NEXT TO TUNNEL (WSD) 4m AWAY	SMALL STREAM <3m	MODERATE FLOW	CONCRETE
HK0122	836270	827600	7SW	YAU OI TSUEN SHATIN, STONE WILLED CHANNEL	STREAM 3-10m	MODERATE FLOW	CONCRETE, POTTERY, GLASS
HK0123	836180	827520	7SW	YAU OI TSUEN SHATIN, ABOVE HOUSES	STREAM 3-10m	MODERATE FLOW	IRON/STEEL WIRE
HK0124	836030	827680	7SW	YAU OI TSUEN SHATIN	SMALL STREAM <3m	MODERATE FLOW	IRON/STEEL WIRE
HK0125	836410	828040	7SW	YAU OI TSUEN SHATIN	SMALL STREAM <3m	MODERATE FLOW	CONCRETE, POTTERY, RUBBER, SOLID FERTILISERS
HK0126	835820	828030	7SW	NEEDLE HILL	SMALL STREAM <3m	MODERATE FLOW	
HK0127	835800	827980	7SW	NEEDLE HILL	SMALL STREAM <3m	MODERATE FLOW	
HK0128	835730	828050	7SW	NEEDLE HILL	SMALL STREAM <3m	MODERATE FLOW	
HK0129	835720	828000	7SW	NEEDLE HILL	SMALL STREAM <3m	MODERATE FLOW	
HK0130	837160	828900	7SW	FO TAN COTTAGE AREA, 10m ABOVE BRIDGE	SMALL STREAM <3m	MODERATE FLOW	CONCRETE,POTTERY,COLOURED GLASS,PLASTICS,RUBBER,FARM EFLUENT,LIQUID FERTILISERS
HK0131	837120	828830	7SW	FO TAN COTTAGE AREA	SMALL STREAM <3m	MODERATE FLOW	CONCRETE,GLAZED CHINA,CLEAR GLASS,PLASTICS,FARM EFLUENT,LIQUID FERTILISERS
HK0132	835850	828700	7SW	WONG CHUK YEUNG, FO TAN	SMALL STREAM <3m	MODERATE FLOW	
HK0133	835900	828740	7SW	WONG CHUK YEUNG, FO TAN	SMALL STREAM <3m	MODERATE FLOW	
HK0134	835820	828720	7SW	WONG CHUK YEUNG, FO TAN	SMALL STREAM <3m	MODERATE FLOW	
HK0135	835840	828780	7SW	WONG CHUK YEUNG, FO TAN	SMALL STREAM <3m	MODERATE FLOW	
HK0136	836110	828550	7SW	WONG CHUK YEUNG, FO TAN	SMALL STREAM <3m	MODERATE FLOW	
HK0137	836130	828770	7SW	WONG CHUK YEUNG, FO TAN	SMALL STREAM <3m	MODERATE FLOW	
HK0138	838350	828770	7SE	FO TAN COTTAGE AREA	SMALL STREAM <3m	MODERATE FLOW	IRON/STEEL WIRE,CERAMICS,GLASS,PLASTICS,RUBBER,FARM EFLUENT,LIQUID FERTILISERS
HK0139	838400	831900	7NE	TAI PO ROAD, COAR	SMALL STREAM <3m	MODERATE FLOW	IRON/STEEL WIRE,CERAMICS,COLOURED GLASS,PLASTICS,RUBBER,FARM EFLUENT
HK0140	838740	831720	7NE	CHEUNG SHUE TAN, TAI PO ROAD	SMALL STREAM <3m	MODERATE FLOW	IRON/STEEL WIRE,POTTERY,TILES,PLASTICS,RUBBER,LIQUID FERTILISERS
HK0141	838550	831630	7NE	CHEUNG SHUE TAN, TAI PO ROAD	STREAM 3-10m	MODERATE FLOW	IRON/STEEL WIRE,CERAMICS,TILES,PLASTICS,RUBBER,LIQUID FERTILISERS
HK0142	838740	831670	7NE	CHEUNG SHUE TAN, TAI PO ROAD	STREAM 3-10m	MODERATE FLOW	IRON/STEEL WIRE,POTTERY,TILES,PLASTICS,RUBBER,AGRO-CHEMICALS
HK0143	838900	831800	7NE	CHEUNG SHUE TAN, NEXT TO KCR	STREAM 3-10m	MODERATE FLOW	METAL,CERAMICS,GLASS,PLASTICS,RUBBER,AGRO-CHEMICALS
HK0144	838540	831080	7NE	TAI PO ROAD	SMALL STREAM <3m	MODERATE FLOW	
HK0145	835510	824800	7SW	HA TIN WATER TREATMENT WORKS	DRAINS	MODERATE FLOW	CONCRETE

Sample Name	East	North	Sheet	Locality	Drainage Type	Drainage Condition	Contamination
HK0146	835470	824930	7SW	SHATIN SEWAGE TREATMENT WORKS	SMALL STREAM <3m	MODERATE FLOW	METAL,POTTERY,COLOURED GLASS,PLASTICS,RUBBER,AGRO-CHEMICALS
HK0147	835650	824380	7SW	SHATIN UPPER RESERVOIR	SMALL STREAM <3m	MODERATE FLOW	IRON/STEEL WIRE,PLASTICS,AGRO-CHEMICALS
HK0148	835650	824310	7SW	SHATIN WATER TREATMENT WOKS	STREAM 3-10m	MODERATE FLOW	IRON/STEEL WIRE,PLASTICS,AGRO-CHEMICALS,LIQUID FERTILISERS
HK0149	835510	824740	7SW	SHATIN WATER TREATMENT WOKS	DITCH	MODERATE FLOW	CONCRETE,PLASTICS,RUBBER,BULK INDUSTRIAL WASTE
HK0150	837050	825080	7SW	LION ROCK TUNNEL ROAD	SMALL STREAM <3m	MODERATE FLOW	IRON/STEEL WIRE
HK0151	836750	824850	7SW	LION ROCK TUNNEL ROAD	SMALL STREAM <3m	MODERATE FLOW	IRON/STEEL WIRE
HK0152	836700	824850	7SW	LION ROCK TUNNEL ROAD	SMALL STREAM <3m	MODERATE FLOW	IRON/STEEL WIRE
HK0153	836670	824960	7SW	LION ROCK TUNNEL ROAD	SMALL STREAM <3m	MODERATE FLOW	IRON/STEEL WIRE,PLASTICS,RUBBER
HK0154	836110	824360	7SW	LION ROCK TUNNEL ROAD,OPPOSIT TOLL	STREAM 3-10m	MODERATE FLOW	IRON/STEEL WIRE
HK0155	834620	824710	7SW	TAI PO ROAD KOWLOON RESERVOIR	SMALL STREAM <3m	MODERATE FLOW	IRON/STEEL WIRE
HK0156	834720	824800	7SW	TAI PO ROAD KOWLOON RESERVOIR	SMALL STREAM <3m	LOW FLOW	
HK0157	834880	824970	7SW	TAI PO ROAD	STREAM 3-10m	MODERATE FLOW	IRON/STEEL WIRE,RUBBER
HK0158	834750	825030	7SW	TAI PO ROAD	SMALL STREAM <3m	MODERATE FLOW	RUBBER
HK0159	834730	824960	7SW	TAI PO ROAD	SMALL STREAM <3m	MODERATE FLOW	
HK0160	838130	829290	7SE	FO TAN	STREAM 3-10m	MODERATE FLOW	IRON/STEEL WIRE
HK0161	838400	829240	7SE	FO TAN	SMALL STREAM <3m	MODERATE FLOW	IRON/STEEL WIRE,POTTERY,GLASS,PLASTICS,RUBBER,FARM EFLUENT
HK0162	837950	829260	7SE	FO TAN	SMALL STREAM <3m	MODERATE FLOW	IRON/STEEL WIRE,CERAMICS,GLASS,PLASTICS,RUBBER,FARM EFLUENT
HK0163	838540	829240	7SE	FO TAN	STREAM 3-10m	MODERATE FLOW	IRON/STEEL WIRE,RUBBER
HK0164	838510	829300	7SE	FO TAN	SMALL STREAM <3m	MODERATE FLOW	PLASTICS
HK0165	838610	829240	7SE	FO TAN, JUST BELOW BRIDGE	STREAM 3-10m	MODERATE FLOW	IRON/STEEL WIRE,POTTERY,GLASS,PLASTICS,RUBBER
HK0166	838740	829110	7SE	FO TAN, ABOVE KCR	SMALL STREAM <3m	MODERATE FLOW	IRON/STEEL WIRE,CERAMICS,GLASS,PLASTICS,RUBBER,FARM EFLUENT,AGRO-CHEMICALS
HK0167	837830	828100	7SE	TAI PO ROAD, SHATIN	SMALL STREAM <3m	MODERATE FLOW	IRON/STEEL WIRE,CERAMICS,GLASS,PLASTICS,RUBBER,EFLUENT,AGRO-CHEMICALS
HK0168	837790	827960	7SE	TAI PO ROAD, SHATIN	SMALL STREAM <3m	MODERATE FLOW	IRON/STEEL WIRE,CERAMICS,GLASS,PLASTICS,RUBBER,FARM EFLUENT
HK0169	839440	830710	7NE	CHINESE UNIVERSITY	STREAM 3-10m	MODERATE FLOW	CONCRETE,COLOURED GLASS
HK0170	838830	830900	7NE	CHINESE UNIVERSITY	SMALL STREAM <3m	MODERATE FLOW	IRON/STEEL WIRE
HK0171	838420	831600	7NE	TAI PO ROAD	SMALL STREAM <3m	MODERATE FLOW	
HK0172	838380	831670	7NE	TAI PO ROAD	SMALL STREAM <3m	MODERATE FLOW	
HK0173	833420	826810	7SW	SHING MUN COUNTRY PARK	SMALL STREAM <3m	MODERATE FLOW	
HK0174	833880	827500	7SW	SHING MUN RESERVOIR	SMALL STREAM <3m	MODERATE FLOW	
HK0175	833800	827320	7SW	SHING MUN RESERVOIR	SMALL STREAM <3m	MODERATE FLOW	

Sample Name	East	North	Sheet	Locality	Drainage Type	Drainage Condition	Contamination
HK0176	834020	827660	7SW	SHING MUN RESERVOIR	SMALL STREAM <3m	MODERATE FLOW	CERAMICS
HK0177	833960	827820	7SW	SHING MUN RESERVOIR	STREAM 3-10m	MODERATE FLOW	
HK0178	834060	828370	7SW	SHING MUN RESERVOIR	SMALL STREAM <3m	MODERATE FLOW	
HK0179	834050	828440	7SW	SHING MUN RESERVOIR	STREAM 3-10m	MODERATE FLOW	
HK0180	833910	828310	7SW	SHING MUN RESERVOIR	SMALL STREAM <3m	MODERATE FLOW	
HK0181	834330	829580	7SW	SHING MUN RESERVOIR	STREAM 3-10m	MODERATE FLOW	
HK0182	834300	829550	7SW	SHING MUN RESERVOIR	SMALL STREAM <3M	MODERATE FLOW	
HK0183	834540	828680	7SW	SHING MUN RESERVOIR	SMALL STREAM <3M	MODERATE FLOW	
HK0184	834560	828750	7SW	SHING MUN RESERVOIR	STREAM 3-10m	MODERATE FLOW	
HK0185	834690	824330	7SW	TAI PO ROAD	SMALL STREAM <3m	MODERATE FLOW	GLASS, PLASTICS
HK0186	834630	824230	7SW	TAI PO ROAD	SMALL STREAM <3m	MODERATE FLOW	IRON/STEEL WIRE, PLASTICS
HK0187	834630	824070	7SW	TAI PO ROAD	SMALL STREAM <3m	MODERATE FLOW	PLASTICS
HK0188	834770	824380	7SW	TAI PO ROAD	SMALL STREAM <3m	MODERATE FLOW	PLASTICS
HK0189	834820	824360	7SW	TAI PO ROAD	SMALL STREAM <3m	MODERATE FLOW	
HK0190	834850	824450	7SW	TAI PO ROAD	STREAM 3-10m	MODERATE FLOW	
HK0191	834980	824500	7SW	TAI PO ROAD	SMALL STREAM <3m	MODERATE FLOW	PLASTICS, BATTERY
HK0192	835040	824680	7SW	TAI PO ROAD	SMALL STREAM <3m	MODERATE FLOW	METAL, CERAMICS, GLASS, PLASTICS, FARM EFFLUENT
HK0193	835130	824760	7SW	SHATIN WATER TREATMENT WORKS	SMALL STREAM <3m	MODERATE FLOW	
HK0194	834150	826670	7SW	LOWER SHING MUN	SMALL STREAM <3m	MODERATE FLOW	
HK0195	834210	826100	7SW	LOWER SHING MUN	SMALL STREAM <3m	MODERATE FLOW	
HK0196	834310	826510	7SW	LOWER SHING MUN	SMALL STREAM <3m	MODERATE FLOW	
HK0197	834290	826500	7SW	SHING MUN	STREAM 3-10m	MODERATE FLOW	
HK0198	834340	826310	7SW	LOWER SHING MUN	STREAM 3-10m	MODERATE FLOW	
HK0199	833860	826260	7SW	LOWER SHING MUN	SMALL STREAM <3m	MODERATE FLOW	
HK0200	838240	831950	7NE	TAI PO ROAD	SMALL STREAM <3m	MODERATE FLOW	
HK0201	834000	829600	7SW	SHING MUN CP	STREAM 3-10m	MODERATE FLOW	IRON/STEEL WIRE
HK0202	834040	829610	7SW	SHING MUN CP	STREAM 3-10m	MODERATE FLOW	
HK0203	834850	829900	7SW	SHING MUN CP	SMALL STREAM <3m	MODERATE FLOW	
HK0204	834890	829530	7SW	SHING MUN CP	LARGE RIVER >33m	STRONG FLOW	
HK0205	833610	828870	7SW	SHING MUN RESERVOIR	STREAM 3-10m	STRONG FLOW	
HK0206	833550	828830	7SW	SHING MUN RESERVOIR	SMALL STREAM <3m	STRONG FLOW	
HK0207	833230	828130	7SW	SHING MUN RESERVOIR	SMALL STREAM <3m	MODERATE FLOW	
HK0208	833130	827850	7SW	SHING MUN RESERVOIR	SMALL STREAM <3m	MODERATE FLOW	
HK0209	832980	827950	7SW	SHING MUN RESERVOIR	STREAM 3-10m	STRONG FLOW	
HK0210	832950	827920	7SW	SHING MUN RESERVOIR	STREAM 3-10m	MODERATE FLOW	
HK0211	833040	827520	7SW	SHING MUN RESERVOIR	STREAM 3-10m	STRONG FLOW	IRON/STEEL WIRE
HK0212	832820	828670	7SW	SHING MUN CP	SMALL STREAM <3m	MODERATE FLOW	RUBBER
HK0213	833350	828690	7SW	SHING MUN RESERVOIR	STREAM 3-10m	STRONG FLOW	POTTERY, PLASTICS
HK0214	833340	828720	7SW	SHING MUN RESERVOIR	STREAM 3-10m	STRONG FLOW	
HK0215	837640	832850	7SW	TAI PO ROAD, TAI PO KAU	SMALL STREAM <3m	MODERATE FLOW	
HK0216	834180	829740	7SW	SHING MUN CP	SMALL STREAM <3m	MODERATE FLOW	
HK0217	834170	829770	7SW	SHING MUN CP	STREAM 3-10m	STRONG FLOW	

Sample Name	East	North	Sheet	Locality	Drainage Type	Drainage Condition	Contamination
HK0218	834340	829880	7SW	SHING MUN CP	SMALL STREAM <3m	STRONG FLOW	
HK0219	834340	829920	7SW	SHING MUN CP	SMALL STREAM <3m	MODERATE FLOW	
HK0220	834270	829860	7SW	SHING MUN CP	SMALL STREAM <3m	MODERATE FLOW	
HK0221	834250	829900	7SW	SHING MUN CP	SMALL STREAM <3m	MODERATE FLOW	
HK0222	834270	829200	7SW	SHING MUN CP	SMALL STREAM <3m	MODERATE FLOW	
HK0223	834280	829170	7SW	SHING MUN CP	SMALL STREAM <3m	MODERATE FLOW	
HK0224	834200	829160	7SW	SHING MUN CP	STREAM 3-10m	STRONG FLOW	
HK0225	834200	829200	7SW	SHING MUN CP	SMALL STREAM <3m	STRONG FLOW	
HK0226	834000	829170	7SW	SHING MUN	STREAM 3-10m	STRONG FLOW	
HK0227	833870	829120	7SW	SHING MUN CP	SMALL STREAM <3m	STRONG FLOW	
HK0228	834220	828570	7SW	SHING MUN CP	STREAM 3-10m	MODERATE FLOW	
HK0229	838020	832050	7SW	TAI PO ROAD	SMALL STREAM <3m	DRY	IRON/STEEL WIRE
HK0230	838040	832010	7SW	TAI PO ROAD	SMALL STREAM <3m	DRY	IRON/STEEL WIRE
HK0231	836810	828160	7SW	SHATIN	SMALL STREAM <3m	STRONG FLOW	AGRO-CHEMICALS
HK0232	836900	828090	7SW	SHATIN	SMALL STREAM <3m	STRONG FLOW	
HK0233	836430	828100	7SW	SHATIN	SMALL STREAM <3m	STRONG FLOW	
HK0234	836460	828130	7SW	SHATIN	SMALL STREAM <3m	STRONG FLOW	
HK0235	836730	827930	7SW	SHATIN	SMALL STREAM <3m	DRY	
HK0236	836720	827900	7SW	SHATIN	SMALL STREAM <3m	MODERATE FLOW	
HK0237	836800	827550	7SW	SHATIN	SMALL STREAM <3m	STRONG FLOW	IRON/STEEL WIRE, GLASS, FARM EFFLUENT
HK0238	836880	827510	7SW	SHATIN	SMALL STREAM <3m	MODERATE FLOW	METAL, CERAMICS, GLASS, PLASTICS, RUBBER, EFFLUENT, AGRO-CHEMICALS
HK0239	836840	827580	7SW	SHATIN	STREAM 3-10m	MODERATE FLOW	IRON/STEEL WIRE, TILES, GLASS, PLASTICS, RUBBER, EFFLUENT
HK0240	836950	827510	7SW	SHATIN	SMALL STREAM <3m	MODERATE FLOW	METAL, POTTERY, GLASS, PLASTICS, RUBBER, EFFLUENT, AGRO-CHEMICALS
HK0241	835150	827750	7SW	SHATIN, ABOVE SHING MUN TUNNEL	SMALL STREAM <3m	MODERATE FLOW	
HK0242	835190	827780	7SW	SHATIN	SMALL STREAM <3m	MODERATE FLOW	
HK0243	835650	827320	7SW	SHATIN	SMALL STREAM <3m	MODERATE FLOW	IRON/STEEL WIRE, POTTERY, COLOURED GLASS, PLASTICS, RUBBER, DOMESTIC EFFLUENT
HK0244	835620	827310	7SW	SHATIN	STREAM 3-10m	STRONG FLOW	IRON/STEEL WIRE, POTTERY, COLOURED GLASS, FARM EFFLUENT, DOMESTIC EFFLUENT
HK0245	835560	827370	7SW	SHATIN, SHING MUN TUNNEL	STREAM 3-10m	MODERATE FLOW	IRON/STEEL WIRE, POTTERY, AGRO-CHEMICALS
HK0246	835580	827400	7SW	SHATIN	SMALL STREAM <3m	MODERATE FLOW	GALVANISED IRON, POTTERY, GLASS
HK0247	834720	828890	7SW	SHING MUN CP	SMALL STREAM <3m	MODERATE FLOW	IRON/STEEL WIRE
HK0248	834700	828970	7SW	SHING MUN CP	SMALL STREAM <3m	STRONG FLOW	IRON/STEEL WIRE
HK0249	835050	829020	7SW	SHING MUN CP	SMALL STREAM <3m	STRONG FLOW	
HK0250	835050	828950	7SW	SHING MUN CP	SMALL STREAM <3m	STRONG FLOW	
HK0251	834450	827190	7SW	SHING MUN	SMALL STREAM <3m	MODERATE FLOW	
HK0252	834400	827170	7SW	SHING MUN	SMALL STREAM <3m	MODERATE FLOW	
HK0253	834680	827180	7SW	SHING MUN CP	SMALL STREAM <3m	MODERATE FLOW	
HK0254	834550	827200	7SW	SHING MUN CP	SMALL STREAM <3m	MODERATE FLOW	IRON/STEEL WIRE
HK0255	834570	827270	7SW	SHING MUN CP	SMALL STREAM <3m	MODERATE FLOW	

Sample Name	East	North	Sheet	Locality	Drainage Type	Drainage Condition	Contamination
HK0256	834520	827260	7SW	SHING MUN CP	SMALL STREAM <3m	MODERATE FLOW	CLEAR GLASS, RUBBER
HK0257	840640	826400	7SW	SIU LEK YUEN	SMALL STREAM <3m	MODERATE FLOW	
HK0258	840900	827060	7SW	SIU LEK YUEN	SMALL STREAM <3m	MODERATE FLOW	
HK0259	831400	829950	7SW	TAI MO SHAN	SMALL STREAM <3m	STRONG FLOW	BRICKS
HK0260	831790	830070	7SW	TAI MO SHAN	SMALL STREAM <3m	MODERATE FLOW	BRICKS
HK0261	831750	830040	7SW	TAI MO SHAN	STREAM 3-10m	STRONG FLOW	
HK0262	831530	830070	7SW	TAI MO SHAN	SMALL STREAM <3m	DRY	
HK0263	831870	830080	7SW	TAI MO SHAN	SMALL STREAM <3m	LOW FLOW	PLASTICS
HK0264	831830	830090	7SW	TAI MO SHAN	STREAM 3-10m	STRONG FLOW	
HK0265	831940	830220	7SW	TAI MO SHAN	STREAM 3-10m	STRONG FLOW	
HK0266	831970	830150	7SW	TAI MO SHAN	STREAM 3-10m	STRONG FLOW	
HK0267	832100	830080	7SW	SHING MUN CP	SMALL STREAM <3m	MODERATE FLOW	
HK0268	831020	830190	7SW	SHING MUN CP	SMALL STREAM <3m	STRONG FLOW	
HK0269	832110	830000	7SW	SHING MUN CP	STREAM 3-10m	STRONG FLOW	
HK0270	832410	830150	7SW	SHING MUN CP	SMALL STREAM <3m	LOW FLOW	
HK0271	832360	830150	7SW	SHING MUN CP	SMALL STREAM <3m	STRONG FLOW	
HK0272	832120	829920	7SW	SHING MUN CP	SMALL STREAM <3m	MODERATE FLOW	
HK0273	832350	829910	7SW	SHING MUN CP	STREAM 3-10m	STRONG FLOW	
HK0274	832690	829280	7SW	SHING MUN CP	STREAM 3-10m	STRONG FLOW	
HK0275	837730	829110	7SW	SHING MUN CP	STREAM 3-10m	PONDED WITH DRY SECTIONS	
HK0276	832900	829110	7SW	SHING MUN CP	SMALL STREAM <3m	STRONG FLOW	
HK0277	832810	828740	7SW	SHING MUN CP	STREAM 3-10m	STRONG FLOW	
HK0278	834530	825720	7SW	SHING MUN CP	SMALL STREAM <3m	MODERATE FLOW	IRON/STEEL WIRE
HK0279	834460	825730	7SW	LOWER SHING MUN	SMALL STREAM <3m	MODERATE FLOW	
HK0280	834000	825770	7SW	LOWER SHING MUN	SMALL STREAM <3m	STRONG FLOW	
HK0281	833800	825930	7SW	LOWER SHING MUN	SMALL STREAM <3m	MODERATE FLOW	IRON/STEEL WIRE
HK0282	833870	825950	7SW	LOWER SHING MUN	SMALL STREAM <3m	STRONG FLOW	
HK0283	833870	826030	7SW	LOWER SHING MUN	SMALL STREAM <3m	STRONG FLOW	
HK0284	833640	826040	7SW	LOWER SHING MUN	SMALL STREAM <3m	MODERATE FLOW	
HK0285	833400	826260	7SW	LOWER SHING MUN	SMALL STREAM <3m	STRONG FLOW	
HK0286	834650	825150	7SW	SHING MUN, OVER HEAD LINE SCHOOL	SMALL STREAM <3m	STRONG FLOW	
HK0287	834530	825260	7SW	SHING MUN, OVER HEAD LINE SCHOOL	SMALL STREAM <3m	MODERATE FLOW	BRICKS CONCRETE, BRICKS, GLASS METAL CONCRETE, POTTERY
HK0288	834460	825190	7SW	SHING MUN, OVER HEAD LINE SCHOOL	SMALL STREAM <3m	MODERATE FLOW	
HK0289	834440	825330	7SW	SHING MUN	SMALL STREAM <3m	MODERATE FLOW	
HK0290	834340	825300	7SW	SHING MUN	SMALL STREAM <3m	MODERATE FLOW	
HK0291	830280	832860	7NW	LAM TSUEN	STREAM 3-10m	STRONG FLOW	
HK0292	830620	833260	7NW	LAM TSUEN	STREAM 3-10m	STRONG FLOW	
HK0293	830560	833290	7NW	LAM TSUEN	SMALL STREAM <3m	MODERATE FLOW	
HK0294	830720	833350	7NW	LAM TSUEN	STREAM 3-10m	STRONG FLOW	
HK0295	830630	833420	7NW	LAM TSUEN	SMALL STREAM <3m	MODERATE FLOW	

Sample Name	East	North	Sheet	Locality	Drainage Type	Drainage Condition	Contamination
HK0296	830860	833460	7NW	LAM TSUEN	STREAM 3-10m	STRONG FLOW	CONCRETE, PLASTICS
HK0297	831090	833520	7NW	LAM TSUEN	SMALL STREAM <3m	STRONG FLOW	IRON/STEEL WIRE, CERAMICS, GLASS, PLASTICS, AGRO-CHEMICALS
HK0298	831010	833800	7NW	LAM TSUEN	SMALL STREAM <3m	STRONG FLOW	
HK0299	831170	833930	7NW	LAM TSUEN	SMALL STREAM <3m	MODERATE FLOW	CONCRETE, GLASS
HK0300	830790	833240	7NW	LAM TSUEN	SMALL STREAM <3m	STRONG FLOW	IRON/STEEL WIRE, TIME, COLOURED GLASS, PLASTICS, RUBBER, FARM EFFLUENT
HK0301	830140	833840	7NW	LAM TSUEN VALLEY	SMALL STREAM <3m	STRONG FLOW	
HK0302	830100	833800	7NW	LAM TSUEN VALLEY	SMALL STREAM <3m	MODERATE FLOW	
HK0303	830230	833910	7NW	LAM TSUEN VALLEY	SMALL STREAM <3m	STRONG FLOW	
HK0304	830280	833950	7NW	LAM TSUEN VALLEY	SMALL STREAM <3m	STRONG FLOW	
HK0305	830510	833850	7NW	LAM TSUEN VALLEY	SMALL STREAM <3m	MODERATE FLOW	
HK0306	830460	833780	7NW	LAM TSUEN VALLEY	SMALL STREAM <3m	STRONG FLOW	
HK0307	830610	833810	7NW	LAM TSUEN VALLEY	SMALL STREAM <3m	STRONG FLOW	
HK0308	830700	833740	7NW	LAM TSUEN VALLEY	SMALL STREAM <3m	STRONG FLOW	
HK0309	830770	833780	7NW	LAM TSUEN VALLEY	SMALL STREAM <3m	STRONG FLOW	
HK0310	833040	835460	7NW	HONG LOK YUEN	STREAM 3-10m	STRONG FLOW	
HK0311	832500	835600	7NW	FONG MA BO	SMALL RIVER	STRONG FLOW	IRON/STEEL WIRE, PLASTICS
HK0312	832400	835610	7NW	LAM KAM ROAD	SMALL STREAM <3m	MODERATE FLOW	IRON/STEEL WIRE
HK0313	830430	834830	7NW	LAM KAM ROAD	SMALL STREAM <3m	LOW FLOW	
HK0314	830510	834780	7NW	LAM KAM ROAD	SMALL STREAM <3m	LOW FLOW	
HK0315	830560	834820	7NW	LAM KAM ROAD	SMALL STREAM <3m	MODERATE FLOW	
HK0316	830620	834800	7NW	LAM KAM ROAD	SMALL STREAM <3m	MODERATE FLOW	
HK0317	830710	834850	7NW	LAM KAM ROAD	SMALL STREAM <3m	MODERATE FLOW	
HK0318	830780	834620	7NW	LAM KAM ROAD	SMALL STREAM <3m	MODERATE FLOW	
HK0319	830820	834560	7NW	LAM KAM ROAD	SMALL STREAM <3m	MODERATE FLOW	
HK0320	830900	834730	7NW	LAM KAM ROAD	SMALL STREAM <3m	MODERATE FLOW	
HK0321	830910	834670	7NW	LAM KAM ROAD	SMALL STREAM <3m	MODERATE FLOW	
HK0322	831050	834770	7NW	LAM KAM ROAD	SMALL STREAM <3m	MODERATE FLOW	
HK0323	831060	834720	7NW	LAM KAM ROAD	STREAM 3-10m	MODERATE FLOW	
HK0324	831180	834740	7NW	LAM KAM ROAD	STREAM 3-10m	MODERATE FLOW	
HK0325	831160	834770	7NW	LAM KAM ROAD	SMALL STREAM <3m	MODERATE FLOW	
HK0326	831060	834900	7NW	LAM KAM ROAD	SMALL STREAM <3m	MODERATE FLOW	
HK0327	831010	834880	7NW	LAM KAM ROAD	SMALL STREAM <3m	MODERATE FLOW	
HK0328	834730	835570	7NW	TAI PO	SMALL STREAM <3m	MODERATE FLOW	METAL, CERAMICS, GLASS, PLASTICS, RUBBER, FARM EFFLUENT, SOLID FERTILISERS
HK0329	834650	835570	7NW	TAI PO	SMALL STREAM <3m	MODERATE FLOW	IRON/STEEL WIRE, TILES, COLOURED GLASS
HK0330	834840	835600	7NW	TAI PO	SMALL STREAM <3m	MODERATE FLOW	IRON/STEEL WIRE
HK0331	834930	835390	7NW	TAI PO	DRAINS	DRY	CONCRETE
HK0332	835470	835780	7NW	TAI PO	SMALL STREAM <3m	MODERATE FLOW	
HK0333	835470	835890	7NW	TAI PO	SMALL STREAM <3m	MODERATE FLOW	
HK0334	835420	835850	7NW	TAI PO	SMALL STREAM <3m	PONDED WITH DRY SECTIONS	
HK0335	835200	835780	7NW	TAI PO	SMALL STREAM <3m	MODERATE FLOW	

Sample Name	East	North	Sheet	Locality	Drainage Type	Drainage Condition	Contamination
HK0336	835810	835960	7NW	TAI PO	SMALL STREAM <3m	DRY	
HK0337	836760	835680	7NW	TAI PO	SMALL STREAM <3m	MODERATE FLOW	AGRO-CHEMICALS
HK0338	836170	835680	7NW	TAI PO	SMALL STREAM <3m	DRY	IRON/STEEL WIRE, POTTERY
HK0339	836190	835780	7NW	TAI PO	SMALL STREAM <3m	DRY	IRON/STEEL WIRE, POTTERY
HK0340	836360	835170	7NW	TAI PO	SMALL STREAM <3m	MODERATE FLOW	IRON/STEEL WIRE, POTTERY, CLEAR GLASS, PLASTICS, RUBBER, AGRO-CHEMICALS
HK0341	837460	835930	7NW	TAI PO	SMALL STREAM <3m	MODERATE FLOW	CONCRETE, CERAMICS
HK0342	834490	833340	7NW	TAI PO	SMALL STREAM <3m	MODERATE FLOW	IRON/STEEL WIRE, POTTERY, PLASTICS
HK0343	834430	833430	7NW	TAI PO	STREAM 3-10m	MODERATE FLOW	IRON/STEEL WIRE
HK0344	834280	833660	7NW	TAI PO	SMALL STREAM <3m	STRONG FLOW	IRON/STEEL WIRE, POTTERY, CLEAR GLASS
HK0345	835760	832400	7NW	TAI PO	SMALL STREAM <3m	STRONG FLOW	PLASTICS
HK0346	835820	832470	7NW	TAI PO	SMALL STREAM <3m	MODERATE FLOW	
HK0347	835520	832660	7NW	TAI PO	SMALL STREAM <3m	MODERATE FLOW	IRON/STEEL WIRE, POTTERY, CLEAR GLASS, EFFLUENT, BULK INDUSTRIAL WASTE
HK0348	835540	832590	7NW	TAI PO	SMALL STREAM <3m	MODERATE FLOW	
HK0349	835430	830180	7NW	TAI PO COUNTRY PARK	SMALL STREAM <3m	DRY	
HK0350	835230	830170	7NW	TAI PO COUNTRY PARK	SMALL STREAM <3m	MODERATE FLOW	CONCRETE
HK0351	835080	830100	7NW	TAI PO COUNTRY PARK	SMALL STREAM <3m	LOW FLOW	CONCRETE
HK0352	834980	830100	7NW	TAI PO KAU	SMALL STREAM <3m	LOW FLOW	
HK0353	834570	830150	7NW	TAI PO COUNTRY PARK	SMALL STREAM <3m	MODERATE FLOW	
HK0354	834560	830100	7NW	TAI PO COUNTRY PARK	SMALL STREAM <3m	STRONG FLOW	
HK0355	834470	830290	7NW	TAI PO COUNTRY PARK	SMALL STREAM <3m	MODERATE FLOW	IRON/STEEL WIRE
HK0356	834320	830170	7NW	TAI PO COUNTRY PARK	SMALL STREAM <3m	STRONG FLOW	
HK0357	834360	830280	7NW	TAI PO COUNTRY PARK	SMALL STREAM <3m	STRONG FLOW	
HK0358	834670	831450	7NW	TAI PO	SMALL STREAM <3m	STRONG FLOW	
HK0359	834730	831400	7NW	TAI PO	SMALL STREAM <3m	STRONG FLOW	CONCRETE
HK0360	834650	831200	7NW	TAI PO	STREAM 3-10m	STRONG FLOW	
HK0361	834820	831460	7NW	TAI PO	STREAM 3-10m	STRONG FLOW	
HK0362	834720	831730	7NW	TAI PO	STREAM 3-10m	STRONG FLOW	IRON/STEEL WIRE, POTTERY, COLOURED GLASS, PLASTICS, RUBBER, EFFLUENT, AGRO-CHEMICAL
HK0363	834830	831680	7NW	TAI PO	STREAM 3-10m	STRONG FLOW	
HK0364	834670	832030	7NW	TAI PO	SMALL STREAM <3m	MODERATE FLOW	CONCRETE
HK0365	834450	832100	7NW	TAI PO	SMALL STREAM <3m	MODERATE FLOW	CONCRETE
HK0366	831370	831250	7NW	TAI MO SHAN	SMALL STREAM <3m	MODERATE FLOW	
HK0367	831300	831280	7NW	TAI MO SHAN	SMALL STREAM <3m	MODERATE FLOW	
HK0368	831640	831520	7NW	TAI MO SHAN	SMALL STREAM <3m	MODERATE FLOW	
HK0369	831540	831530	7NW	TAI MO SHAN	STREAM 3-10m	STRONG FLOW	
HK0370	831680	831620	7NW	TAI MO SHAN	SMALL STREAM <3m	MODERATE FLOW	
HK0371	831610	831600	7NW	TAI MO SHAN	SMALL STREAM <3m	MODERATE FLOW	
HK0372	831650	831820	7NW	TAI MO SHAN	STREAM 3-10m	STRONG FLOW	
HK0373	831590	831780	7NW	TAI MO SHAN	SMALL STREAM <3m	DRY	
HK0374	831400	832500	7NW	TAI MO SHAN	STREAM 3-10m	MODERATE FLOW	
HK0375	831340	832550	7NW	LAM TSUEN	SMALL STREAM <3m	MODERATE FLOW	CONCRETE, POTTERY, COLOURED GLASS
HK0376	831460	832570	7NW	LAM TSUEN	SMALL STREAM <3m	STRONG FLOW	METAL, POTTERY, COLOURED GLASS, RUBBER, EFFLUENT
HK0377	831390	832710	7NW	LAM TSUEN VALLEY	SMALL STREAM <3m	MODERATE FLOW	METAL
HK0378	831540	832600	7NW	LAM TSUEN VALLEY	SMALL STREAM <3m	MODERATE FLOW	

Sample Name	East	North	Sheet	Locality	Drainage Type	Drainage Condition	Contamination
HK0379	830950	832810	7NW	LAM TSUEN VALLEY	SMALL STREAM <3m	DRY	
HK0380	830850	832790	7NW	LAM TSUEN VALLEY	SMALL STREAM <3m	MODERATE FLOW	
HK0381	830850	832610	7NW	LAM TSUEN VALLEY	SMALL STREAM <3m	MODERATE FLOW	
HK0382	830820	832550	7NW	LAM TSUEN VALLEY	SMALL STREAM <3m	MODERATE FLOW	
HK0383	831120	835700	7NW	LAM TSUEN VALLEY	SMALL STREAM <3m	MODERATE FLOW	
HK0384	831190	835750	7NW	LAM TSUEN VALLEY	SMALL STREAM <3m	MODERATE FLOW	
HK0385	831190	835670	7NW	LAM TSUEN VALLEY	SMALL STREAM <3m	MODERATE FLOW	
HK0386	831230	835730	7NW	LAM TSUEN	SMALL STREAM <3m	MODERATE FLOW	
HK0387	831430	835560	7NW	LAM TSUEN VALLEY	SMALL STREAM <3m	STRONG FLOW	
HK0388	831390	835510	7NW	LAM TSUEN VALLEY	SMALL STREAM <3m	MODERATE FLOW	
HK0389	831500	835460	7NW	LAM TSUEN VALLEY	SMALL STREAM <3m	STRONG FLOW	
HK0390	831630	835340	7NW	LAM TSUEN VALLEY	STREAM 3-10m	MODERATE FLOW	
HK0391	831970	835600	7NW	LAM TSUEN VALLEY	SMALL STREAM <3m	MODERATE FLOW	
HK0392	831950	835470	7NW	LAM TSUEN VALLEY	SMALL STREAM <3m	MODERATE FLOW	
HK0393	831900	834940	7NW	LAM TSUEN	STREAM 3-10m	STRONG FLOW	CLEAR GLASS
HK0394	831980	834880	7NW	LAM TSUEN VALLEY	SMALL STREAM <3m	MODERATE FLOW	CONCRETE, COLOURED GLASS, EFFLUENT, AGRO-CHEMICALS
HK0395	832040	834870	7NW	LAM TSUEN VALLEY	STREAM 3-10m	MODERATE FLOW	METAL, CERAMICS, GLASS, PLASTICS, RUBBER, EFFLUENT, AGRO-CHEMICALS
HK0396	832040	835180	7NW	LAM TSUEN	SMALL STREAM <3m	MODERATE FLOW	
HK0397	832210	835360	7NW	LAM TSUEN	SMALL STREAM <3m	MODERATE FLOW	
HK0398	832950	835940	7NW	LAM TSUEN	SMALL STREAM <3m	MODERATE FLOW	IRON/STEEL WIRE, POTTERY, PLASTICS
HK0399	832600	835850	7NW	LAM TSUEN VALLEY	STREAM 3-10m	MODERATE FLOW	IRON/STEEL WIRE, POTTERY, GLASS, PLASTICS
HK0400	832940	831500	7NW	TAI PO	STREAM 3-10m	STRONG FLOW	
HK0401	832890	831570	7NW	TAI PO	SMALL STREAM <3m	MODERATE FLOW	
HK0402	832050	831590	7NW	LAM TSUEN	SMALL STREAM <3m	LOW FLOW	
HK0403	832960	831640	7NW	TAI PO	SMALL STREAM <3m	MODERATE FLOW	
HK0404	832950	831700	7NW	YIN NGAN, TAI PO	SMALL STREAM <3m	MODERATE FLOW	
HK0405	832890	831790	7NW	YIN NGAN, TAI PO	SMALL STREAM <3m	MODERATE FLOW	
HK0406	832840	831770	7NW	YIN NGAN, TAI PO	SMALL STREAM <3m	MODERATE FLOW	
HK0407	833150	831700	7NW	YIN NGAN, TAI PO	STREAM 3-10m	STRONG FLOW	
HK0408	833180	831630	7NW	YIN NGAN, TAI PO	SMALL STREAM <3m	MODERATE FLOW	
HK0409	833320	831740	7NW	YIN NGAN, TAI PO	STREAM 3-10m	STRONG FLOW	
HK0410	833430	831780	7NW	TAI PO	SMALL STREAM <3m	MODERATE FLOW	
HK0411	833540	831790	7NW	TAI PO	SMALL STREAM <3m	MODERATE FLOW	
HK0412	833490	831800	7NW	TAI PO	STREAM 3-10m	STRONG FLOW	
HK0413	833620	831810	7NW	TAI PO	SMALL STREAM <3m	MODERATE FLOW	
HK0414	833650	831820	7NW	TAI PO	SMALL STREAM <3m	DRY	
HK0415	833730	831920	7NW	TAI PO	SMALL STREAM <3m	MODERATE FLOW	
HK0416	833860	831820	7NW	TAI PO	SMALL STREAM <3m	MODERATE FLOW	
HK0417	833800	831890	7NW	TAI PO	STREAM 3-10m	STRONG FLOW	
HK0418	833950	831810	7NW	TAI PO	STREAM 3-10m	STRONG FLOW	
HK0419	836570	832540	7NW	TAI PO KAU	SMALL STREAM <3m	MODERATE FLOW	IRON/STEEL WIRE, PLASTICS, RUBBER, EFFLUENT
HK0420	836230	832520	7NW	TAI PO KAU	SMALL STREAM <3m	LOW FLOW	CONCRETE, COLOURED GLASS

Sample Name	East	North	Sheet	Locality	Drainage Type	Drainage Condition	Contamination
HK0421	836240	832470	7NW	TAI PO KAU	SMALL STREAM <3m	LOW FLOW	CONCRETE, COLOURED GLASS
HK0422	836220	830940	7NW	TAI PO KAU	SMALL STREAM <3m	MODERATE FLOW	IRON/STEEL WIRE, CLEAR GLASS
HK0423	836150	830940	7NW	TAI PO KAU	SMALL STREAM <3m	MODERATE FLOW	
HK0424	836150	831000	7NW	TAI PO KAU	SMALL STREAM <3m	STRONG FLOW	METAL
HK0425	836070	831040	7NW	TAI PO KAU	SMALL STREAM <3m	STRONG FLOW	
HK0426	836430	831190	7NW	TAI PO KAU	STREAM 3-10m	STRONG FLOW	CONCRETE
HK0427	836450	831240	7NW	TAI PO KAU	STREAM 3-10m	STRONG FLOW	CONCRETE
HK0428	837140	830760	7NW	TAI PO KAU	SMALL STREAM <3m	MODERATE FLOW	
HK0429	837170	830650	7NW	TAI PO KAU	SMALL STREAM <3m	MODERATE FLOW	
HK0430	837440	830570	7NW	TAI PO KAU	SMALL STREAM <3m	MODERATE FLOW	
HK0431	836310	830200	7NW	TAI PO KAU	SMALL STREAM <3m	MODERATE FLOW	
HK0432	836400	830330	7NW	TAI PO KAU	SMALL STREAM <3m	MODERATE FLOW	
HK0433	835920	830840	7NW	TAI PO KAU	SMALL STREAM <3m	MODERATE FLOW	
HK0434	834980	830850	7NW	TAI PO KAU	SMALL STREAM <3m	MODERATE FLOW	
HK0435	835040	830900	7NW	TAI PO KAU	SMALL STREAM <3m	MODERATE FLOW	
HK0436	837360	832960	7NW	TAI PO KAU	STREAM 3-10m	MODERATE FLOW	
HK0437	836280	833670	7NW	TAI PO	SMALL STREAM <3m	LOW FLOW	
HK0438	834950	832910	7NW	TAI PO	SMALL STREAM <3m	MODERATE FLOW	
HK0439	835100	832180	7NW	TAI PO	SMALL STREAM <3m	LOW FLOW	EFFLUENT, BULK INDUSTRIAL WASTE, AGRO-CHEMICALS
HK0440	831090	830700	7NW	TAI MO SHAN	SMALL STREAM <3m	LOW FLOW	
HK0441	831130	830620	7NW	TAI MO SHAN	SMALL STREAM <3m	LOW FLOW	
HK0442	831270	830700	7NW	TAI MO SHAN	SMALL STREAM <3m	MODERATE FLOW	
HK0443	831500	830330	7NW	TAI MO SHAN	SMALL STREAM <3m	DRY	
HK0444	831530	830400	7NW	TAI MO SHAN	SMALL STREAM <3m	DRY	
HK0445	831700	830500	7NW	TAI MO SHAN	STREAM 3-10m	STRONG FLOW	
HK0446	831720	830440	7NW	TAI MO SHAN	SMALL STREAM <3m	LOW FLOW	
HK0447	832300	831550	7NW	TAI MO SHAN	SMALL STREAM <3m	MODERATE FLOW	
HK0448	832350	831610	7NW	LAM TSUEN	SMALL STREAM <3m	MODERATE FLOW	
HK0449	832310	831820	7NW	LAM TSUEN	SMALL STREAM <3m	MODERATE FLOW	
HK0450	832280	831800	7NW	LAM TSUEN	SMALL STREAM <3m	MODERATE FLOW	
HK0451	832230	831910	7NW	LAM TSUEN	SMALL STREAM <3m	STRONG FLOW	
HK0452	832170	831970	7NW	LAM TSUEN	SMALL STREAM <3m	MODERATE FLOW	
HK0453	832160	832030	7NW	LAM TSUEN	SMALL STREAM <3m	MODERATE FLOW	
HK0454	832070	832020	7NW	LAM TSUEN	STREAM 3-10m	MODERATE FLOW	
HK0455	831950	832120	7NW	LAM TSUEN VALLEY	SMALL STREAM <3m	MODERATE FLOW	
HK0456	831880	832040	7NW	LAM TSUEN	STREAM 3-10m	MODERATE FLOW	
HK0457	831690	832190	7NW	LAM TSUEN	STREAM 3-10m	STRONG FLOW	CONCRETE
HK0458	831640	832400	7NW	LAM TSUEN	STREAM 3-10m	STRONG FLOW	
HK0459	830480	832340	7NW	KADOORIE FARM	POND	DRY	CONCRETE
HK0460	830470	832260	7NW	KADOORIE FARM	SMALL STREAM <3m	MODERATE FLOW	CONCRETE
HK0461	830650	832040	7NW	KADOORIE FARM	SMALL STREAM <3m	MODERATE FLOW	
HK0462	830710	831970	7NW	KADOORIE FARM	SMALL STREAM <3m	MODERATE FLOW	CONCRETE, TILES, COLOURED GLASS
HK0463	830810	831710	7NW	KADOORIE FARM	SMALL STREAM <3m	MODERATE FLOW	
HK0464	830790	831700	7NW	KADOORIE FARM	SMALL STREAM <3m	LOW FLOW	

Sample Name	East	North	Sheet	Locality	Drainage Type	Drainage Condition	Contamination
HK0465	830310	832500	7NW	KADOORIE FARM	SMALL STREAM <3m	STRONG FLOW	CONCRETE, COLOURED GLASS
HK0466	842860	839480	3SE	PAT SIN	SMALL STREAM <3m	MODERATE FLOW	
HK0467	842930	839010	3SE	PAT SIN	SMALL STREAM <3m	LOW FLOW	CONCRETE
HK0468	843060	838670	3SE	PAT SIN	SMALL STREAM <3m	LOW FLOW	
HK0469	842690	837760	3SE	PAT SIN	SMALL STREAM <3m	LOW FLOW	
HK0470	842530	837600	3SE	PAT SIN	SMALL STREAM <3m	LOW FLOW	
HK0471	842400	837570	3SE	PAT SIN	SMALL STREAM <3M	DRY	
HK0472	841350	836940	3SE	PAT SIN	SMALL STREAM <3M	MODERATE FLOW	CONCRETE, CERAMICS, EFFLUENT, AGRO-CHEMICALS
HK0473	840530	837630	3SE	PAT SIN	SMALL STREAM <3M	DRY	
HK0474	840710	837430	3SE	PAT SIN	SMALL STREAM <3M	DRY	IRDON/STEEL WIRE, POTTERY
HK0475	840650	837470	3SE	PAT SIN	STREAM	MODERATE FLOW	CONCRETE
HK0476	840200	837740	3SE	PAT SIN	SMALL STREAM	MODERATE FLOW	
HK0477	839880	837930	3SE	PAT SIN	SMALL STREAM	STRONG FLOW	
HK0478	839840	837890	3SE	PAT SIN	SMALL STREAM	MODERATE FLOW	
HK0479	839980	838300	3SE	PAT SIN	SMALL STREAM	PONDED WITH DRY SECTIONS	
HK0480	840010	838320	3SE	PAT SIN	SMALL STREAM	LOW FLOW	
HK0481	840370	838090	3SE	PLOVER COVE	SMALL STREAM	MODERATE FLOW	
HK0482	840220	838040	3SE	PAT SIN	STREAM	MODERATE FLOW	
HK0483	840310	838050	3SE	PAT SIN	SMALL STREAM	MODERATE FLOW	
HK0484	840360	838200	3SE	PAT SIN	SMALL STREAM	MODERATE FLOW	
HK0485	840010	837130	3SE	PLOVER COVE	SMALL STREAM	LOW FLOW	CONCRETE, POTTERY, CLEAR GLASS, AGRO-CHEMICALS
HK0486	839850	836880	3SE	PLOVER COVE	SMALL STREAM	LOW FLOW	CONCRETE, CERAMICS, GLASS
HK0487	838740	836740	3SE	PLOVER COVE	SMALL STREAM	MODERATE FLOW	CONCRETE, POTTERY, EFFLUENT, AGRO-CHEMICALS
HK0488	838100	837090	3SE	PLOVER COVE	SMALL STREAM	STRONG FLOW	
HK0489	838090	837170	3SE	PLOVER COVE	SMALL STREAM	LOW FLOW	
HK0490	838060	837160	3SE	PLOVER COVE	SMALL STREAM	STRONG FLOW	
HK0491	838280	837380	3SE	PLOVER COVE	SMALL STREAM	LOW FLOW	
HK0492	838340	837400	3SE	PLOVER COVE	SMALL STREAM	MODERATE FLOW	
HK0493	838630	837240	3SE	PLOVER COVE	SMALL STREAM	STRONG FLOW	
HK0494	841980	837580	3SE	PAT SIN	SMALL STREAM	DRY	
HK0495	841670	837530	3SE	PAT SIN	SMALL STREAM	PONDED WITH DRY SECTIONS	CONCRETE, CLEAR GLASS
HK0496	841360	837550	3SE	PAT SIN	SMALL STREAM	PONDED WITH DRY SECTIONS	
HK0497	841150	837470	3SE	PAT SIN	SMALL STREAM	PONDED WITH DRY SECTIONS	
HK0498	838350	836460	7NW	SHUEN WAN	DRAINS	MODERATE FLOW	
HK0499	836120	836370	3SE	TAI PO	SMALL STREAM	DRY	
HK0500	835980	836420	3SE	TAI PO	SMALL STREAM	DRY	
HK0501	835980	836470	3SE	TAI PO	SMALL STREAM	DRY	
HK0502	836390	836610	3SE	TAI PO	SMALL STREAM	PONDED WITH DRY SECTIONS	

Sample Name	East	North	Sheet	Locality	Drainage Type	Drainage Condition	Contamination
HK0503	836480	836610	7NW	LAM TSUEN	SMALL STREAM	PONDED WITH DRY SECTIONS	
HK0504	831890	832850	7NW	LAM TSUEN VALLEY	SMALL STREAM	DRY	
HK0505	831900	832980	7NW	LAM TSUEN VALLEY	SMALL STREAM	LOW FLOW	
HK0506	831970	832820	7NW	LAM TSUEN VALLEY	SMALL STREAM	LOW FLOW	
HK0507	832060	832750	7NW	LAM TSUEN VALLEY	SMALL STREAM	MODERATE FLOW	
HK0508	832000	832720	7NW	LAM TSUEN VALLEY	SMALL STREAM	MODERATE FLOW	
HK0509	832170	832910	7NW	LAM TSUEN VALLEY	SMALL STREAM	MODERATE FLOW	
HK0510	832240	832970	7NW	LAM TSUEN VALLEY	SMALL STREAM	PONDED WITH DRY SECTIONS	
HK0511	832020	833060	7NW	LAM TSUEN VALLEY	SMALL STREAM	LOW FLOW	
HK0512	830030	833090	7NW	LAM TSUEN VALLEY	SMALL STREAM	LOW FLOW	
HK0513	830030	833020	7NW	LAM TSUEN	SMALL STREAM	LOW FLOW	
HK0514	830340	833380	7NW	LAM TSUEN VALLEY	SMALL STREAM	MODERATE FLOW	
HK0515	833870	833150	7NW	TAI PO	SMALL STREAM	MODERATE FLOW	CONCRETE, POTTERY, AGRO-CHEMICALS
HK0516	833890	833100	7NW	TAI PO	SMALL STREAM	MODERATE FLOW	AGRO-CHEMICALS
HK0517	833190	832760	7NW	TAI PO	SMALL STREAM	MODERATE FLOW	
HK0518	833110	832700	7NW	TAI PO	SMALL STREAM	LOW FLOW	
HK0519	833070	833140	7NW	TAI PO	SMALL STREAM	MODERATE FLOW	CONCRETE
HK0520	833000	833150	7NW	TAI PO	STREAM 3-10m	DRY	
HK0521	833000	833430	7NW	TAI PO	SMALL STREAM	MODERATE FLOW	CONCRETE
HK0522	832940	833430	7NW	TAI PO	SMALL STREAM	MODERATE FLOW	
HK0523	833300	833290	7NW	TAI PO	SMALL STREAM	PONDED WITH DRY SECTIONS	IRON/STEEL WIRE,CERAMICS,GLASS
HK0524	833220	833340	7NW	TAI PO	SMALL STREAM	MODERATE FLOW	IRON/STEEL WIRE,TILES,CLEAR GLASS
HK0525	833580	833640	7NW	LIU AU, TAI PO	SMALL STREAM	MODERATE FLOW	IRON/STEEL WIRE,POTTERY,AGRO-CHEMICALS
HK0526	833800	833630	7NW	LIU AU, TAI PO	SMALL STREAM	LOW FLOW	METAL,TILES,CLEAR GLASS,AGRO-CHEMICALS
HK0527	840030	828510	7SE	SHATIN, ABOVE DAM	SMALL STREAM	LOW FLOW	CONCRETE
HK0528	840230	828500	7NE	SHATIN	SMALL STREAM	MODERATE FLOW	CONCRETE
HK0529	840480	828900	7SE	SHATIN,NEXT TO CONSTRUCTION SITE	SMALL STREAM	LOW FLOW	METAL,PLASTICS,RUBBER,BULK INDUSTRIAL WASTE,AGRO-CHEMICALS
HK0530	840580	828840	7SE	SHATIN	SMALL STREAM	PONDED WITH DRY SECTIONS	
HK0531	840640	828760	7SE	SHATIN	SMALL STREAM	MODERATE FLOW	
HK0532	840770	828750	7SE	SHATIN	SMALL STREAM	LOW FLOW	
HK0533	840730	828660	7SE	SHATIN	SMALL STREAM	LOW FLOW	
HK0534	840640	828310	7SE	SHATIN	SMALL STREAM	LOW FLOW	
HK0535	840640	828350	7SE	SHATIN	SMALL STREAM	DRY	
HK0536	841310	829050	7SE	CHEVALIER GARDEN	DRAINS	DRY	
HK0537	841520	828860	7SE	CHEVALIER GARDEN	DRAINS	DRY	
HK0538	841650	828460	7SE	CHEVALIER GARDEN	DRAINS	DRY	
HK0539	841685	828394	7SE	CHEVALIER GARDEN	SMALL STREAM	PONDED WITH DRY SECTIONS	
HK0540	842000	828610	7SE	CHEVALIER GARDEN	SMALL STREAM	DRY	

Sample Name	East	North	Sheet	Locality	Drainage Type	Drainage Condition	Contamination
HK0541	841560	829070	7SE	CHEVALIER GARDEN	DRAINS	DRY	
HK0542	841550	829320	7SE	CHEVALIER GARDEN	DRAINS	DRY	
HK0543	841670	828980	7SE	CHEVALIER GARDEN	SMALL STREAM	PONDED WITH DRY SECTIONS	
HK0544	840560	829090	7SE	SHATIN	SMALL STREAM	PONDED WITH DRY SECTIONS	CONCRETE
HK0545	843400	829940	7NE	MA ON SHAN	SMALL STREAM	PONDED WITH DRY SECTIONS	
HK0546	843250	829890	7NE	MA ON SHAN	SMALL STREAM	PONDED WITH DRY SECTIONS	
HK0547	843330	829970	7NE	MA ON SHAN	SMALL STREAM	PONDED WITH DRY SECTIONS	
HK0548	843270	829780	7NE	MA ON SHAN	SMALL STREAM	DRY	
HK0549	842840	829870	7NE	MA ON SHAN	SMALL STREAM	DRY	IRON/STEEL WIRE, POTTERY
HK0550	843570	828700	7NE	MA ON SHAN	SMALL STREAM	PONDED WITH DRY SECTIONS	
HK0551	843450	828210	7NE	PYRAMID HILL	SMALL STREAM	DRY	
HK0552	843520	828040	7NE	PYRAMID HILL	SMALL STREAM	LOW FLOW	
HK0553	843610	828840	7NE	MA ON SHAN	SMALL STREAM	LOW FLOW	
HK0554	843780	829020	7NE	MA ON SHAN	SMALL STREAM	LOW FLOW	
HK0555	843770	829130	7NE	MA ON SHAN	SMALL STREAM	LOW FLOW	
HK0556	840340	826220	7SE	TATES CAIRN	SMALL STREAM	MODERATE FLOW	
HK0557	840010	825900	7SE	TATES CAIRN	SMALL STREAM	MODERATE FLOW	
HK0558	839860	825760	7SE	TATES CAIRN	SMALL STREAM	MODERATE FLOW	
HK0559	839120	825520	7SE	SUGAR LOAF PEAK	SMALL STREAM	MODERATE FLOW	CERAMICS
HK0560	838450	825290	7SE	SHATIN PASS	SMALL STREAM	MODERATE FLOW	
HK0561	838620	825350	7SE	SHATIN	SMALL STREAM	LOW FLOW	
HK0562	838610	824470	7SE	SHATIN PASS NEAR TO BBQ SIDE	SMALL STREAM	MODERATE FLOW	IRON/STEEL WIRE, PLASTICS
HK0563	838640	824590	7SE	SHATIN PASS	STREAM	MODERATE FLOW	METAL, POTTERY, GLASS, RUBBER
HK0564	838720	824520	7SE	SHATIN PASS	SMALL STREAM	MODERATE FLOW	PLASTICS
HK0565	840140	824870	7SE	TATES CAIRN	SMALL STREAM	LOW FLOW	CONCRETE
HK0566	840250	824910	7SE	TATES CAIRN	SMALL STREAM	DRY	CONCRETE
HK0567	840450	824960	7SE	TATES CAIRN	SMALL STREAM	LOW FLOW	
HK0568	840360	824880	7SE	TATES CAIRN	SMALL STREAM	MODERATE FLOW	
HK0569	838290	825070	7SE	TATES CAIRN	SMALL STREAM	MODERATE FLOW	IRON/STEEL WIRE, POTTERY
HK0570	838640	824560	7SE	TATES CAIRN	SMALL STREAM	LOW FLOW	
HK0571	839530	824520	7SE	SHATIN PASS	SMALL STREAM	PONDED WITH DRY SECTIONS	
HK0572	838910	824510	7SE	TATES CAIRN	SMALL STREAM	LOW FLOW	CONCRETE
HK0573	840530	825440	7SE	TATES CAIRN	SMALL STREAM	MODERATE FLOW	IRON/STEEL WIRE, CERAMICS, GLASS, PLASTICS, EFFLUENT
HK0574	847770	834620	8NW	TOLO HARBOUR	SMALL STREAM	LOW FLOW	

Sample Name	East	North	Sheet	Locality	Drainage Type	Drainage Condition	Contamination
HK0575	847950	834390	8NW	TOLO HARBOUR	SMALL STREAM	PONDED WITH DRY SECTIONS	IRON/STEEL WIRE, GLASS, PLASTICS
HK0576	848150	834690	8NW	TOLO HARBOUR	SMALL STREAM	PONDED WITH DRY SECTIONS	
HK0577	848380	834960	8NW	TOLO HARBOUR	SMALL STREAM	LOW FLOW	
HK0578	849380	835200	8NW	TOLO HARBOUR	SMALL STREAM	MODERATE FLOW	
HK0579	849520	835340	8NW	TOLO HARBOUR	SMALL STREAM	STRONG FLOW	
HK0580	849380	835600	8NW	TOLO HARBOUR	SMALL STREAM	DRY	
HK0581	849480	835890	8NW	TOLO HARBOUR	SMALL STREAM	LOW FLOW	
HK0582	849540	836090	4SW	TOLO HARBOUR	SMALL STREAM	MODERATE FLOW	
HK0583	850190	836850	4SW	TOLO HARBOUR	SMALL STREAM	MODERATE FLOW	
HK0584	850290	836940	4SW	TOLO HARBOUR	SMALL STREAM	MODERATE FLOW	
HK0585	848200	838040	4SW	TOLO HARBOUR	SMALL STREAM	MODERATE FLOW	
HK0586	848270	838010	4SW	TOLO HARBOUR	SMALL STREAM	DRY	
HK0587	848340	837900	4SW	TOLO HARBOUR	SMALL STREAM	MODERATE FLOW	
HK0588	847840	837370	4SW	TOLO HARBOUR	SMALL STREAM	PONDED WITH DRY SECTIONS	
HK0589	845510	836250	4SW	TOLO HARBOUR	SMALL STREAM	DRY	IRON/STEEL WIRE, CLEAR GLASS
HK0590	845470	836520	4SW	TOLO HARBOUR	SMALL STREAM	PONDED WITH DRY SECTIONS	
HK0591	846180	836890	4SW	TOLO HARBOUR	SMALL STREAM	DRY	IRON/STEEL WIRE
HK0592	841570	835030	7NE	SHUEN WAN	DRAINS	DRY	
HK0593	841790	834960	7NE	SHUEN WAN HOI	DRAINS	DRY	
HK0594	841980	835200	7NE	SHUEN WAN HOI	SMALL STREAM	LOW FLOW	
HK0595	843870	834970	7NE	HARBOUR ISLAND	DRAINS	DRY	
HK0596	844220	835000	7NE	HARBOUR ISLAND	DRAINS	DRY	
HK0597	836540	836370	3SW	TAI PO	SMALL STREAM	MODERATE FLOW	
HK0598	836770	836450	3SW	TAI PO	SMALL STREAM	LOW FLOW	
HK0599	837250	836500	3SW	SHUEN WAN	SMALL STREAM	LOW FLOW	
HK0600	837180	836500	3SW	SHUEN WAN	SMALL STREAM	LOW FLOW	
HK0601	837240	836380	3SW	SHUEN WAN	SMALL STREAM	MODERATE FLOW	CONCRETE
HK0602	838850	836020	3SE	SHUEN WAN, OILY RED STREAM	SMALL STREAM	LOW FLOW	
HK0603	838720	836080	3SE	SHUEN WAN	DRAINS	DRY	POTTERY, CLEAR GLASS
HK0604	839450	837480	3SE	SHUEN WAN	SMALL STREAM	LOW FLOW	
HK0605	839330	837680	3SE	SHUEN WAN	SMALL STREAM	LOW FLOW	
HK0606	839370	837230	3SE	SHUEN WAN	SMALL STREAM	MODERATE FLOW	
HK0607	839490	837010	3SE	SHUEN WAN	DRAINS	MODERATE FLOW	
HK0608	841010	840100	3SE	PAT SIN CP	STREAM	DRY	
HK0609	841580	839570	3SE	PAT SIN CP	STREAM	MODERATE FLOW	
HK0610	841470	839520	3SE	PAT SIN CP	SMALL STREAM	PONDED WITH DRY SECTIONS	CONCRETE, BRICKS
HK0611	841290	839550	3SE	PAT SIN CP	SMALL STREAM	PONDED WITH DRY SECTIONS	
HK0612	841050	839670	3SE	PAT SIN CP	STREAM	MODERATE FLOW	

Sample Name	East	North	Sheet	Locality	Drainage Type	Drainage Condition	Contamination
HK0613	840890	839520	3SE	PAT SIN CP	SMALL STREAM	DRY	
HK0614	840810	839540	3SE	PAT SIN CP	SMALL STREAM	MODERATE FLOW	
HK0615	840760	839530	3SE	PAT SIN CP	SMALL STREAM	DRY	
HK0616	840680	839370	3SE	PAT SIN CP	SMALL STREAM	LOW FLOW	
HK0617	841670	840840	3SE	PAT SIN CP	SMALL STREAM	LOW FLOW	
HK0618	841700	839290	3SE	PAT SIN CP	SMALL STREAM	LOW FLOW	TILES
HK0619	841920	839740	3SE	PAT SIN CP	SMALL STREAM	MODERATE FLOW	
HK0620	848710	831430	8NW	THREE FATHOMS COVE	SMALL STREAM	MODERATE FLOW	
HK0621	848670	831330	8NW	THREE FATHOMS COVE	SMALL STREAM	MODERATE FLOW	
HK0622	848280	831740	8NW	THREE FATHOMS COVE	STREAM	MODERATE FLOW	
HK0623	847630	831430	8NW	THREE FATHOMS COVE	SMALL STREAM	LOW FLOW	CONCRETE
HK0624	847330	831290	8NW	THREE FATHOMS COVE	SMALL STREAM	LOW FLOW	
HK0625	846950	831180	8NW	THREE FATHOMS COVE	SMALL STREAM	PONDED WITH DRY SECTIONS	
HK0626	846730	830680	8NW	THREE FATHOMS COVE	SMALL STREAM	LOW FLOW	
HK0627	846760	830780	8NW	THREE FATHOMS COVE	SMALL STREAM	LOW FLOW	
HK0628	846780	830720	8NW	THREE FATHOMS COVE	SMALL STREAM	MODERATE FLOW	
HK0629	846540	830680	8NW	THREE FATHOMS COVE	SMALL STREAM	MODERATE FLOW	
HK0630	845480	829710	8NW	CHUK YEUNG	DRAINS	DRY	IRON/STEEL WIRE, POTTERY
HK0631	845900	830180	8NW	THREE FATHOMS COVE	DRAINS	LOW FLOW	
HK0632	845270	829370	8NW	CHUK YEUNG	SMALL STREAM	DRY	
HK0633	845510	830600	8NW	THREE FATHOMS COVE	SMALL STREAM	DRY	
HK0634	844920	830730	7NE	HUNCH BACK	SMALL STREAM	PONDED WITH DRY SECTIONS	
HK0635	844730	830620	7NE	HUNCH BACK	SMALL STREAM	PONDED WITH DRY SECTIONS	
HK0636	844670	830550	7NE	HUNCH BACK	SMALL STREAM	LOW FLOW	
HK0637	844810	830650	7NE	HUNCH BACK	STREAM	DRY	CONCRETE
HK0638	844925	831525	7NE	HUNCH BACK	SMALL STREAM	DRY	
HK0639	835240	832220	7NE	HUNCH BACK	SMALL STREAM	DRY	
HK0640	844670	832360	8NW	THREE FATHOMS COVE	SMALL STREAM	DRY	METAL, CERAMICS, GLASS, BULK INDUSTRIAL WASTE, AGRO-CHEMICALS
HK0641	843780	832070	7NE	MA ON SHAN	SMALL STREAM	DRY	METAL, CERAMICS, GLASS, PLASTICS
HK0642	843670	831780	7NE	MA ON SHAN	SMALL STREAM	PONDED WITH DRY SECTIONS	PLASTICS
HK0643	843830	831810	7NE	MA ON SHAN	SMALL STREAM	DRY	
HK0644	844170	832520	7NE	MA ON SHAN	SMALL STREAM	LOW FLOW	CONCRETE, CLEAR GLASS, PLASTICS, RUBBER, EFFLUENT
HK0645	843050	831550	7NE	HUNCH BACK	SMALL STREAM	DRY	
HK0646	843030	831210	7NE	HUNCH BACK	SMALL STREAM	MODERATE FLOW	RUBBER
HK0647	845380	830660	8NW	THREE FATHOMS COVE	SMALL STREAM	LOW FLOW	
HK0648	845750	830900	8NW	THREE FATHOMS COVE	SMALL STREAM	MODERATE FLOW	CONCRETE, POTTERY, CLEAR GLASS, PLASTICS, EFFLUENT
HK0649	843320	831820	7NE	MA ON SHAN	SMALL STREAM	DRY	
HK0650	837690	824710	7SE	SHATIN	SMALL STREAM	MODERATE FLOW	

Sample Name	East	North	Sheet	Locality	Drainage Type	Drainage Condition	Contamination
HK0651	837760	824760	7SE	SHATIN	SMALL STREAM	LOW FLOW	METAL, POTTERY, GLASS, EFFLUENT, AGRO-CHEMICALS IRON/STEEL WIRE, CLEAR GLASS, FARM EFFLUENT
HK0652	837670	825180	7SE	SHATIN	SMALL STREAM	MODERATE FLOW	
HK0653	837700	825200	7SE	SHATIN	SMALL STREAM	PONDED WITH DRY SECTIONS	
HK0654	837580	825550	7NE	SHATIN	SMALL STREAM	MODERATE FLOW	METAL, CERAMICS, GLASS, PLASTICS, RUBBER, EFFLUENT, AGRO-CHEMICALS
HK0655	841480	826870	7SE	SIU LEK YUEN	SMALL STREAM	MODERATE FLOW	
HK0656	841415	826820	7SE	SIU LEK YUEN	SMALL STREAM	MODERATE FLOW	
HK0657	841080	827150	7SE	SIU LEK YUEN	STREAM	MODERATE FLOW	IRON/STEEL WIRE
HK0658	841200	827420	7SE	SIU LEK YUEN	SMALL STREAM	MODERATE FLOW	
HK0659	840980	827210	7SE	SIU LEK YUEN	SMALL STREAM	PONDED WITH DRY SECTIONS	
HK0660	837840	831280	7NE	TAI PO MEI	SMALL STREAM	MODERATE FLOW	AGRO-CHEMICALS
HK0661	837640	831300	7NE	TAI PO MEI	DRAINS	MODERATE FLOW	
HK0662	837810	831230	7NE	TAI PO MEI	SMALL STREAM	MODERATE FLOW	
HK0663	838560	830340	7NE	KAU TO	SMALL STREAM	MODERATE FLOW	METAL, GLASS, PLASTICS, EFFLUENT, BULK INDUSTRIAL WASTE, AGRO-CHEMICALS
HK0664	838530	830270	7NE	KAU TO	STREAM	STRONG FLOW	
HK0665	838170	830490	7NE	KAU TO	STREAM	STRONG FLOW	
HK0666	838170	830390	7NE	KAU TO	DRAINS	PONDED WITH DRY SECTIONS	METAL, CERAMICS, GLASS, EFFLUENT, BULK INDUSTRIAL WASTE, AGRO-CHEMICALS
HK0667	837580	830770	7NE	MA ON SHAN	SMALL STREAM	LOW FLOW	
HK0668	837610	830810	7NE	MA ON SHAN	DRAINS	LOW FLOW	
HK0669	844650	830960	7NE	MA ON SHAN, HUNCH BACK	STREAM	DRY	DRY
HK0670	844620	830990	7NE	MA ON SHAN, HUNCH BACK	DRAINS	DRY	
HK0671	848720	832220	8NW	THREE FATHOMS COVE	SMALL STREAM	LOW FLOW	
HK0672	848750	832180	8NW	THREE FATHOMS COVE	SMALL STREAM	MODERATE FLOW	STRONG FLOW
HK0673	848490	832030	8NW	THREE FATHOMS COVE	SMALL STREAM	STRONG FLOW	
HK0674	831200	831970	7NW	KADOORIE FARM	SMALL STREAM	MODERATE FLOW	
HK0675	831190	832100	7NW	KADOORIE FARM	SMALL STREAM	STRONG FLOW	PONDED WITH DRY SECTIONS
HK0676	831110	832160	7NW	LAM TSUEN VALLEY	DRAINS	PONDED WITH DRY SECTIONS	
HK0677	831320	832360	7NW	LAM TSUEN VALLEY	DRAINS	PONDED WITH DRY SECTIONS	
HK0678	831320	832320	7NW	LAM TSUEN VALLEY	SMALL STREAM	STRONG FLOW	METAL
HK0679	831790	836280	3SW	WO HOP SHEK	SMALL STREAM	LOW FLOW	
HK0680	831880	836420	3SW	WO HOP SHEK	SMALL STREAM	DRY	
HK0681	832800	836090	3SW	LAM KAM RD	SMALL STREAM	MODERATE FLOW	METAL, CERAMICS, GLASS, PLASTICS, BULK INDUSTRIAL WASTE, AGRO-CHEMICALS CONCRETE, POTTERY, CLEAR GLASS, EFFLUENT
HK0682	833260	835100	7NW	TAI PO TAU	SMALL STREAM	STRONG FLOW	
HK0683	833140	835050	7NW	TAI PO TAU	STREAM	STRONG FLOW	
HK0684	832480	832730	7NW	LAM TSUEN VALLEY	DRAINS	PONDED WITH DRY SECTIONS	CONCRETE, CERAMICS, GLASS, PLASTICS, EFFLUENT
HK0685	832220	832590	7NW	LAM TSUEN	DRAINS	LOW FLOW	
HK0686	847790	833280	8NW	SHAM CHUNG WAN	SMALL STREAM	MODERATE FLOW	

Sample Name	East	North	Sheet	Locality	Drainage Type	Drainage Condition	Contamination
HK0687	847670	833190	8NW	SHAM CHUNG WAN	SMALL STREAM	MODERATE FLOW	CONCRETE, CERAMICS, GLASS, PLASTICS, EFFLUENT CONCRETE
HK0688	848320	833830	8NW	SHAM CHUNG WAN	SMALL STREAM	LOW FLOW	
HK0689	848400	833920	8NW	SHAM CHUNG WAN	SMALL STREAM	STRONG FLOW	
HK0690	848210	833610	8NW	SHAM CHUNG WAN	STREAM	STRONG FLOW	
HK0691	847270	833650	8NW	SHAM CHUNG WAN	SMALL STREAM	MODERATE FLOW	
HK0692	847840	833940	8NW	SHAM CHUNG WAN	STREAM	STRONG FLOW	
HK0693	847850	833990	8NW	SHAM CHUNG WAN	DRAINS	PONDED WITH DRY SECTIONS	
HK0694	847660	833850	8NW	SHAM CHUNG WAN	SMALL STREAM	MODERATE FLOW	
HK0695	848220	832130	8NW	THREE FATHOMS COVE	SMALL STREAM	LOW FLOW	
HK0696	847890	831820	8NW	THREE FATHOMS COVE	STREAM	LOW FLOW	
HK0697	841780	829920	7SE	MA ON SHAN	DRAINS	LOW FLOW	METAL, POTTERY, CLEAR GLASS, PLASTICS, RUBBER
HK0698	842040	829650	7SE	MA ON SHAN	DRAINS	PONDED WITH DRY SECTIONS	
HK0699	842260	828920	7SE	CHEVALIER GARDEN	STREAM	STRONG FLOW	
HK0700	838770	826050	7NE	SHATIN	SMALL STREAM	MODERATE FLOW	
HK0701	838650	826020	7NE	SHATIN	STREAM	MODERATE FLOW	
HK0702	848010	838400	4SW	PLOVER COVE RESERVOIR	SMALL STREAM	DRY	
HK0703	847960	838560	4SW	PLOVER COVE RESERVOIR	SMALL STREAM	DRY	
HK0704	847830	838790	4SW	PLOVER COVE RESERVOIR	SMALL STREAM	MODERATE FLOW	
HK0705	847190	839300	4SW	PLOVER COVE RESERVOIR	DRAINS	LOW FLOW	
HK0706	846760	839280	4SW	PLOVER COVE RESERVOIR	DRAINS	MODERATE FLOW	
HK0707	846390	839010	4SW	PLOVER COVE RESERVOIR	DRAINS	DRY	CONCRETE
HK0708	847400	839230	4SW	PLOVER COVE RESERVOIR	SMALL STREAM	MODERATE FLOW	
HK0709	847500	839150	4SW	PLOVER COVE RESERVOIR	DRAINS	DRY	
HK0710	849120	834560	8NW	LAI CHI CHONG	STREAM	STRONG FLOW	
HK0711	849520	834250	8NW	LAI CHI CHONG	STREAM	MODERATE FLOW	
HK0712	849310	834060	8NW	LAI CHI CHONG	SMALL STREAM	LOW FLOW	
HK0713	849260	834430	8NW	LAI CHI CHONG	STREAM	STRONG FLOW	
HK0714	849240	834380	8NW	LAI CHI CHONG	SMALL STREAM	PONDED WITH DRY SECTIONS	
HK0715	849000	834500	8NW	LAI CHI CHONG	STREAM	PONDED WITH DRY SECTIONS	
HK0716	837070	829690	7SW	FO TAN	SMALL STREAM	MODERATE FLOW	EFFLUENT, AGRO-CHEMICALS
HK0717	837100	829790	7SW	FO TAN	SMALL STREAM	MODERATE FLOW	METAL

Sample Name	East	North	Sheet	Locality	Drainage Type	Drainage Condition	Contamination
HK0718	837080	829880	7SW	FO TAN	SMALL STREAM	STRONG FLOW	IRON/STEEL WIRE, PLASTICS
HK0719	837030	829850	7SW	FO TAN	SMALL STREAM	STRONG FLOW	IRON/STEEL WIRE, POTTERY
HK0720	837130	829980	7SW	FO TAN	SMALL STREAM	STRONG FLOW	PLASTICS
HK0721	837020	829980	7SW	FO TAN	SMALL STREAM	MODERATE FLOW	PLASTICS
HK0722	837330	829450	7SW	FO TAN	STREAM	STRONG FLOW	
HK0723	844430	831700	7NE	KWUN HANG	SMALL STREAM	PONDED WITH DRY SECTIONS	
HK0724	842130	831190	7NE	MA ON SHAN	SMALL STREAM	MODERATE FLOW	METAL, CERAMICS, GLASS, PLASTICS, PAINT, EFFLUENT
HK0725	840730	829290	7SE	CHEVALIER GARDEN	DRAINS	DRY	
HK0726	809550	809310	13NE	SHUI HAU VILLAGE	SMALL STREAM	MODERATE FLOW	METAL, CERAMICS, CLEAR GLASS, PLASTICS, RUBBER
HK0727	812070	810920	13NE	TONG FUK CATCHWATER AREA	SMALL STREAM	MODERATE FLOW	
HK0728	812080	810960	13NE	TONG FUK CATCHWATER AREA	DRAINS	LOW FLOW	
HK0729	812170	810910	13NE	TONG FUK CATCHWATER AREA	SMALL STREAM	MODERATE FLOW	
HK0730	811800	810540	13NE	TONG FUK CATCHWATER AREA	STREAM	LOW FLOW	
HK0731	811680	810500	13NE	TONG FUK CATCHWATER AREA	STREAM	LOW FLOW	
HK0732	811040	810440	13NE	TONG FUK CATCHWATER AREA	SMALL STREAM	DRY	
HK0733	810570	811160	13NE	TONG FUK CATCHWATER AREA	SMALL STREAM	LOW FLOW	
HK0734	810580	811180	13NE	TONG FUK CATCHWATER AREA	SMALL STREAM	LOW FLOW	
HK0735	810700	811960	13NE	TONG FUK CATCHWATER AREA	SMALL STREAM	MODERATE FLOW	
HK0736	810800	811110	13NE	TONG FUK CATCHWATER AREA	SMALL STREAM	LOW FLOW	
HK0737	810780	811120	13NE	TONG FUK CATCHWATER AREA	SMALL STREAM	MODERATE FLOW	
HK0738	810800	811040	13NE	TONG FUK CATCHWATER AREA	STREAM	STRONG FLOW	
HK0739	810980	811280	13NE	TONG FUK CATCHWATER AREA	SMALL STREAM	MODERATE FLOW	
HK0740	810860	811140	13NE	TONG FUK CATCHWATER AREA	SMALL STREAM	DRY	
HK0741	810900	811130	13NE	TONG FUK CATCHWATER AREA	SMALL STREAM	PONDED WITH DRY SECTIONS	
HK0742	810850	811070	13NE	TONG FUK CATCHWATER AREA	SMALL STREAM	LOW FLOW	
HK0743	810860	811030	13NE	TONG FUK CATCHWATER AREA	SMALL STREAM	DRY	

Sample Name	East	North	Sheet	Locality	Drainage Type	Drainage Condition	Contamination
HK0744	809150	809970	13NE	TONG FUK CATCHWATER AREA	SMALL STREAM	LOW FLOW	CERAMICS
HK0745	809420	809910	13NE	TONG FUK CATCHWATER AREA	SMALL STREAM	DRY	
HK0746	809680	809260	13NE	TONG FUK CATCHWATER AREA	SMALL STREAM	PONDED WITH DRY SECTIONS	
HK0747	809710	810270	13NE	TONG FUK CATCHWATER AREA	SMALL STREAM	DRY	
HK0748	809640	810180	13NE	TONG FUK CATCHWATER AREA	SMALL STREAM	MODERATE FLOW	
HK0749	809560	810180	13NE	TONG FUK CATCHWATER AREA	SMALL STREAM	MODERATE FLOW	
HK0750	809580	810080	13NE	TONG FUK CATCHWATER AREA	SMALL STREAM	MODERATE FLOW	
HK0751	810030	811070	13NE	TONG FUK CATCHWATER AREA	SMALL STREAM	DRY	
HK0752	810030	811110	13NE	TONG FUK CATCHWATER AREA	SMALL STREAM	PONDED WITH DRY SECTIONS	
HK0753	810530	810760	13NE	TONG FUK CATCHWATER AREA	STREAM	MODERATE FLOW	
HK0754	810580	810760	13NE	TONG FUK CATCHWATER AREA	SMALL STREAM	LOW FLOW	
HK0755	810530	810660	13NE	TONG FUK CATCHWATER AREA	SMALL STREAM	DRY	
HK0756	810320	810520	13NE	TONG FUK CATCHWATER AREA	SMALL STREAM	LOW FLOW	
HK0757	810140	810110	13NE	TONG FUK CATCHWATER AREA	SMALL STREAM	PONDED WITH DRY SECTIONS	
HK0758	812330	810860	13NE	TUNG CHUNG ROAD	SMALL STREAM	STRONG FLOW	IRON/STEEL WIRE, CERAMICS, CLEAR GLASS, PAINT, FARM EFFLUENT
HK0759	812450	811170	13NE	TUNG CHUNG ROAD	SMALL STREAM	STRONG FLOW	IRON/STEEL WIRE, CERAMICS, CLEAR GLASS
HK0760	812630	811170	13NE	CHEUNG SHA CATCHWATER AREA	SMALL STREAM	MODERATE FLOW	AGRO-CHEMICALS
HK0761	812900	811210	13NE	CHEUNG SHA CATCHWATER AREA	SMALL STREAM	PONDED WITH DRY SECTIONS	METAL, RUBBER
HK0762	812870	811240	13NE	CHEUNG SHA CATCHWATER AREA	SMALL STREAM	DRY	
HK0763	812830	811150	13NE	CHEUNG SHA CATCHWATER AREA	SMALL STREAM	DRY	METAL, CERAMICS, RUBBER
HK0764	813200	811150	13NE	CHEUNG SHA CATCHWATER AREA	SMALL STREAM	DRY	
HK0765	813700	811370	13NE	CHEUNG SHA CATCHWATER AREA	SMALL STREAM	MODERATE FLOW	
HK0766	813790	811800	13NE	CHEUNG SHA CATCHWATER AREA	SMALL STREAM	PONDED WITH DRY SECTIONS	

Sample Name	East	North	Sheet	Locality	Drainage Type	Drainage Condition	Contamination
HK0767	813840	811820	13NE	CHEUNG SHA CATCHWATER AREA	SMALL STREAM	LOW FLOW	
HK0768	813910	811570	13NE	CHEUNG SHA CATCHWATER AREA	SMALL STREAM	MODERATE FLOW	METAL, CERAMICS
HK0769	814630	811800	13NE	CHEUNG SHA CATCHWATER AREA	SMALL STREAM	MODERATE FLOW	
HK0770	814170	812140	9SE	SUNSET PEAK	SMALL STREAM	STRONG FLOW	
HK0771	814110	812200	9SE	SUNSET PEAK	SMALL STREAM	LOW FLOW	
HK0772	814130	812250	9SE	SUNSET PEAK	SMALL STREAM	MODERATE FLOW	
HK0773	814170	812260	9SE	SUNSET PEAK	SMALL STREAM	MODERATE FLOW	
HK0774	814280	811220	13NE	CHEUNG SHA CATCHWATER AREA	STREAM	STRONG FLOW	METAL, CERAMICS
HK0775	812340	811110	13NE	TONG FUK CATCHWATER AREA	SMALL STREAM	LOW FLOW	
HK0776	812550	811320	13NE	TUNG CHUNG ROAD	SMALL STREAM	MODERATE FLOW	IRON/STEEL WIRE
HK0777	812600	811320	13NE	TUNG CHUNG ROAD	DRAINS	DRY	METAL, POTTERY
HK0778	812520	811540	13NE	TUNG CHUNG ROAD	DRAINS	LOW FLOW	METAL, CERAMICS, GLASS, EFFLUENT
HK0779	812420	811780	13NE	TUNG CHUNG ROAD	SMALL STREAM	MODERATE FLOW	
HK0780	812420	810520	13NE	TUNG CHUNG ROAD	SMALL STREAM	MODERATE FLOW	
HK0781	812440	811580	13NE	TUNG CHUNG ROAD	STREAM	STRONG FLOW	CERAMICS
HK0782	812460	811470	13NE	TUNG CHUNG ROAD	STREAM	STRONG FLOW	CERAMICS
HK0783	812600	810700	13NE	LANTAU ROAD	STREAM	STRONG FLOW	METAL, CERAMICS, GLASS, RUBBER
HK0784	815120	811800	14NW	SOUTH LANTAU ROAD	SMALL STREAM	LOW FLOW	METAL, CERAMICS, GLASS, RUBBER
HK0785	815630	811900	14NW	SOUTH LANTAU ROAD	SMALL STREAM	MODERATE FLOW	METAL, CERAMICS, AGRO-CHEMICALS
HK0786	814900	813130	9SE	PUI O	SMALL STREAM	MODERATE FLOW	
HK0787	815870	813120	10SW	MUL WO	SMALL STREAM	LOW FLOW	
HK0788	815920	813000	10SW	MUI WO	SMALL STREAM	POENED WITH DRY SECTIONS	POTTERY, GLASS
HK0789	815970	812780	10SW	MUI WO	DRAINS	MODERATE FLOW	
HK0790	815800	813080	10SW	MUI WO	SMALL STREAM	DRY	
HK0791	806020	813500	9SW	SHAM WAT CATCH	SMALL STREAM	DRY	
HK0792	806250	813620	9SW	SHAM WAT CATCH	SMALL STREAM	DRY	
HK0793	806010	814020	9SE	SHAM WAT CATCH	SMALL STREAM	DRY	
HK0794	806000	814060	9SW	SHAM WAT CATCH	SMALL STREAM	DRY	
HK0795	806380	814420	9SW	SHAM WAT	SMALL STREAM	DRY	
HK0796	806520	813260	9SW	SHAM WAT	SMALL STREAM	PONDED WITH DRY SECTIONS	
HK0797	806860	813140	9SW	SHAM WAT	SMALL STREAM	DRY	POTTERY
HK0798	806930	813160	9SW	SHAM WAT	SMALL STREAM	DRY	
HK0799	806880	813190	9SW	SHAM WAT	STREAM	MODERATE FLOW	
HK0800	806380	810600	13NW	KEUNG SHAN	SMALL STREAM	DRY	
HK0801	805680	810530	13NW	KEUNG SHAN	SMALL STREAM	LOW FLOW	
HK0802	805630	810430	13NW	KEUNG SHAN	SMALL STREAM	MODERATE FLOW	
HK0803	808570	810600	13NE	KEUNG SHAN	SMALL STREAM	DRY	
HK0804	808660	810800	13NE	KEUNG SHAN	SMALL STREAM	DRY	

Sample Name	East	North	Sheet	Locality	Drainage Type	Drainage Condition	Contamination
HK0805	805670	810870	13NW	KEUNG SHAN	SMALL STREAM	DRY	
HK0806	805620	810870	13NW	KEUNG SHAN	SMALL STREAM	DRY	
HK0807	805600	810630	13NW	KEUNG SHAN	SMALL STREAM	DRY	
HK0808	805470	810500	13NW	KEUNG SHAN	SMALL STREAM	LOW FLOW	
HK0809	805500	810470	13NW	KEUNG SHAN	SMALL STREAM	LOW FLOW	
HK0810	806560	810150	13NW	SHEK PIK CATCH	SMALL STREAM	PONDED WITH DRY SECTIONS	
HK0811	805470	808740	13NW	SHEK PIK CATCH	SMALL STREAM	MODERATE FLOW	
HK0812	805060	808580	13NW	SHEK PIK CATCH	SMALL STREAM	LOW FLOW	
HK0813	805020	808540	13NW	SHEK PIK CATCH	SMALL STREAM	LOW FLOW	
HK0814	804920	808480	13NW	SHEK PIK CATCH	SMALL STREAM	LOW FLOW	
HK0815	804700	808150	13NW	SHEK PIK CATCH	SMALL STREAM	LOW FLOW	
HK0816	804600	808050	13NW	SHEK PIK CATCH	SMALL STREAM	DRY	
HK0817	804550	808020	13NW	SHEK PIK CATCH	SMALL STREAM	LOW FLOW	CERAMICS
HK0818	803770	808220	13NW	SHEK PIK CATCH	SMALL STREAM	LOW FLOW	
HK0819	803700	808200	13NW	SHEK PIK CATCH	SMALL STREAM	MODERATE FLOW	
HK0820	803680	808140	13NW	SHEK PIK CATCH	SMALL STREAM	MODERATE FLOW	
HK0821	803510	807890	13NW	SHEK PIK CATCH	SMALL STREAM	DRY	
HK0822	803610	807810	13NW	SHEK PIK CATCH	SMALL STREAM	DRY	
HK0823	803590	807640	13NW	SHEK PIK CATCH	SMALL STREAM	DRY	
HK0824	804780	808760	13NW	SHEK PIK CATCH	SMALL STREAM	PONDED WITH DRY SECTIONS	
HK0825	804800	808550	13NW	SHEK PIK CATCH	SMALL STREAM	PONDED WITH DRY SECTIONS	
HK0826	804800	808620	13NW	SHEK PIK CATCH	SMALL STREAM	LOW FLOW	
HK0827	806510	810130	13NW	SHEK PIK CATCH	SMALL STREAM	MODERATE FLOW	
HK0828	806510	810180	13NW	SHEK PIK CATCH	SMALL STREAM	MODERATE FLOW	
HK0829	806680	810110	13NW	SHEK PIK	SMALL STREAM	MODERATE FLOW	
HK0830	806910	810620	13NW	SHEK PIK	SMALL STREAM	MODERATE FLOW	
HK0831	806960	810750	13NW	SHEK PIK	SMALL STREAM	LOW FLOW	METAL, POTTERY, RUBBER
HK0832	807110	811110	13NW	SHEK PIK	SMALL STREAM	DRY	
HK0833	806650	812040	9SW	UPPER VEUNG SHAN	SMALL STREAM	LOW FLOW	IRON/STEEL WIRE, POTTERY, EFFLUEND
HK0834	806560	812290	9SW	UPPER VEUNG SHAN	SMALL STREAM	DRY	METAL, CERAMICS, GLASS, PLASTICS, RUBBER, PAINT
HK0835	806320	812380	9SW	UPPER VEUNG SHAN	SMALL STREAM	DRY	
HK0836	806020	811530	13NW	KWUN YAM TEMPLE	SMALL STREAM	MODERATE FLOW	CERAMICS
HK0837	805850	811320	13NW	KEUNG SHAN	SMALL STREAM	DRY	
HK0838	805800	811320	13NW	KEUNG SHAN	SMALL STREAM	LOW FLOW	
HK0839	805850	811190	13NW	KWUN YAM	SMALL STREAM	MODERATE FLOW	
HK0840	805800	811230	13NW	KWUN YAM	SMALL STREAM	PONDED WITH DRY SECTIONS	
HK0841	804670	812570	9SW	TAI O	DRAINS	DRY	IRON/STEEL WIRE, POTTERY, PAINT

Sample Name	East	North	Sheet	Locality	Drainage Type	Drainage Condition	Contamination
HK0842	804600	812980	9SW	TAI O	DRAINS	DRY	
HK0843	804470	813160	9SW	TAI O	SMALL STREAM	DRY	
HK0844	804410	813170	9SW	TAI O	SMALL STREAM	DRY	POTTERY
HK0845	805370	812330	9SW	KEUNG SHAN	SMALL STREAM	DRY	
HK0846	805610	812370	9SW	KEUNG SHAN	SMALL STREAM	DRY	
HK0847	805780	812270	9SW	KEUNG SHAN	SMALL STREAM	DRY	POTTERY
HK0848	805950	812200	9SW	KEUNG SHAN	SMALL STREAM	DRY	
HK0849	805900	812110	9SW	KEUNG SHAN	SMALL STREAM	MODERATE FLOW	POTTERY
HK0850	805510	811310	13NW	KEUNG SHAN	DRAINS	MODERATE FLOW	POTTERY
HK0851	805240	811100	13NW	KEUNG SHAN	SMALL STREAM	MODERATE FLOW	POTTERY
HK0852	804970	811900	13NW	LUNG TSAI NG YUEN	SMALL STREAM	DRY	
HK0853	804680	810690	13NW	LUNG TSAI NG YUEN	SMALL STREAM	DRAINS	
HK0854	804620	810700	13NW	LUNG TSAI NG YUEN	SMALL STREAM	PONDED WITH DRY SECTIONS	
HK0855	804290	811070	13NW	LUNG TSAI NG YUEN	SMALL STREAM	LOW FLOW	
HK0856	804225	811130	13NW	LUNG TSAI NG YUEN	DRAINS	DRY	
HK0857	804810	811420	13NW	LUNG TSAI NG YUEN	STREAM	PONDED WITH DRY SECTIONS	
HK0858	804880	811200	13NW	LUNG TSAI NG YUEN	STREAM	MODERATE FLOW	
HK0859	811910	812710	9SE	TUNG CHUNG RD	SMALL STREAM	MODERATE FLOW	
HK0860	811810	812730	9SE	TUNG CHUNG RD	SMALL STREAM	MODERATE FLOW	
HK0861	811810	812770	9SE	TUNG CHUNG VALLEY	STREAM	MODERATE FLOW	
HK0862	811780	812760	9SE	TUNG CHUNG VALLEY	SMALL STREAM	PONDED WITH DRY SECTIONS	
HK0863	807620	809070	13NE	SHEK PIK VILLAGE	SMALL STREAM	MODERATE FLOW	
HK0864	811870	813110	9SE	TUNG CHUNG RD	SMALL STREAM	MODERATE FLOW	POTTERY
HK0865	811820	813290	9SE	TUNG CHUNG RD	SMALL STREAM	DRY	POTTERY
HK0866	811720	813430	9SE	TUNG CHUNG RD	SMALL STREAM	LOW FLOW	IRON/STEEL WIRE, POTTERY
HK0867	811650	813400	9SE	TUNG CHUNG VALLEY	STREAM	MODERATE FLOW	IRON/STEEL WIRE, POTTERY
HK0868	811600	813400	9SE	TUNG CHUNG VALLEY	SMALL STREAM	LOW FLOW	
HK0869	811550	813540	9SE	TUNG CHUNG VALLEY	SMALL STREAM	LOW FLOW	
HK0870	811600	813590	9SE	TUNG CHUNG VALLEY	STREAM	MODERATE FLOW	IRON/STEEL WIRE, POTTERY, PAINT
HK0871	811630	813890	9SE	TUNG CHUNG RD	SMALL STREAM	LOW FLOW	IRON/STEEL WIRE, POTTERY
HK0872	811580	814010	9SE	TUNG CHUNG RD	SMALL STREAM	DRY	IRON/STEEL WIRE, POTTERY
HK0873	811320	814290	9SE	TUNG CHUNG VALLEY	DRAINS	DRY	IRON/STEEL WIRE
HK0874	811220	814210	9SE	TUNG CHUNG VALLEY	SMALL STREAM	DRY	
HK0875	811270	814210	9SE	TUNG CHUNG	STREAM	MODERATE FLOW	POTTERY, PLASTICS
HK0876	811130	814520	9SE	TUNG CHUNG	STREAM	MODERATE FLOW	METAL, CERAMICS, GLASS, RUBBER, AGRO-CHEMICALS
HK0877	811290	814950	9SE	TUNG CHUNG RD	SMALL STREAM	DRY	
HK0878	811310	814470	9SE	TUNG CHUNG VALLEY	SMALL STREAM	DRY	
HK0879	811700	813700	9SE	TUNG CHUNG RD	SMALL STREAM	DRY	IRON/STEEL WIRE, POTTERY
HK0880	811730	813510	9SE	TUNG CHUNG VALLEY	DRAINS	DRY	
HK0881	816010	812130	10SW	OPPOSITE PETROL STATION	SMALL STREAM	LOW FLOW	IRON/STEEL WIRE, POTTERY, CLEAR GLASS, PAINT, SOLID FERTILISERS

Sample Name	East	North	Sheet	Locality	Drainage Type	Drainage Condition	Contamination
HK0882	810330	815270	9SE	TUNG CHUNG	SMALL STREAM	LOW FLOW	
HK0883	810330	815310	9SE	TUNG CHUNG	SMALL STREAM	DRY	
HK0884	810300	815530	9SE	TUNG CHUNG	SMALL STREAM	LOW FLOW	
HK0885	810500	815430	9SE	TUNG CHUNG	SMALL STREAM	LOW FLOW	IRON/STEEL WIRE, CERAMICS
HK0886	810500	815390	9SE	TUNG CHUNG	SMALL STREAM	MODERATE FLOW	IRON/STEEL WIRE, CERAMICS, GLASS
HK0887	810780	815350	9SE	TUNG CHUNG	STREAM	MODERATE FLOW	METAL, CERAMICS, RUBBER, PAINT, BULK INDUSTRIAL WASTE, SOILD FERTILISERS
HK0888	810760	815380	9SE	TUNG CHUNG	SMALL STREAM	MODERATE FLOW	METAL, POTTERY, CLEAR GLASS, PLASTICS, EFFLUENT, MATEL MINE TALLING
HK0889	816270	812460	10SW	PUI O	SMALL STREAM	MODERATE FLOW	IRON/STEEL WIRE, POTTERY
HK0890	816290	812120	10SW	PUI O	SMALL STREAM	PONDED WITH DRY SECTIONS	POTTERY, CLEAR GLASS, METAL MINE TALLING
HK0891	816400	812740	10SW	PUI O	SMALL STREAM	LOW FLOW	POTTERY, CLEAR GLASS
HK0892	816360	812330	10SW	PUI O	SMALL STREAM	LOW FLOW	IRON/STEEL WIRE, CERAMICS, CLEAR GLASS, RUBBER, BULK INDUSTRIAL, AGRO-CHEMICAL
HK0893	804920	811700	13NW	LUNG TSAI NG YUEN	DRAINS	LOW FLOW	
HK0894	812350	815180	9SE	WONG LUNG HANG	STREAM	MODERATER FLOW	IRON/STEEL WIRE, POTTERY, PAINT, METAL MINE TAILING, SOILD FERTILISERS
HK0895	812300	815120	9SE	WONG LUNG HANG	DRAINS	DRY	IRON/STEEL WIRE, POTTERY
HK0896	812370	815230	9SE	WONG LUNG HANG	SMALL STREAM	MODERATE FLOW	
HK0897	812700	814550	9SE	WONG LUNG HANG	SMALL STREAM	DRY	IRON/STEEL WIRE, POTTERY, PLASTICS, RUBBER
HK0898	812650	814400	9SE	WONG LUNG HANG	SMALL STREAM	DRY	
HK0899	812610	814350	9SE	WONG LUNG HANG	SMALL STREAM	MODERATE FLOW	
HK0900	812240	814860	9SE	WONG LUNG HANG	STREAM	MODERATE FLOW	POTTERY
HK0901	813200	815020	9SE	WONG LUNG HANG	SMALL STREAM	LOW FLOW	
HK0902	812770	814820	9SE	WONG LUNG HANG	STREAM	LOW FLOW	POTTERY, PLASTICS, PAINT
HK0903	812580	814900	9SE	WONG LUNG HANG	SMALL STREAM	DRY	
HK0904	812640	814960	9SE	WONG LUNG HANG	STREAM	LOW FLOW	IRON/STEEL WIRE, CLEAR GLASS, FARM EFFIUENT, METAL MINE TAILING
HK0905	812010	815120	9SE	TUNG CHUNG	STREAM	MODERATE FLOW	METAL, CERAMCS, GLASS, PAINT, EFFLUENT, BULK INDUSTRIAL WASTE, SOLID FERTILISERS
HK0906	817380	813550	10SW	MUI WO	SMALL STREAM	PONDED WITH DRY SECTIONS	IRON/STEEL WIRE
HK0907	817280	813550	10SW	MUI WO	SMALL STREAM	LOW FLOW	IRON/STEEL WIRE, PLASTICS
HK0908	817850	813680	10SW	MUI WO	SMALL STREAM	MODERATE FLOW	RUBBER, PAINT, FARM EFFLUENT
HK0909	816800	813730	10SW	MUI WO	SMALL STREAM	DRY	IRON/STEEL WIRE, POTTERY
HK0910	816950	813880	10SW	MUI WO	SMALL STREAM	MODERATE FLOW	IRON/STEEL WIRE, POTTERY, CLEAR GLASS
HK0911	816500	814060	10SW	MUI WO	SMALL STREAM	LOW FLOW	
HK0912	816520	814030	10SW	MUI WO	SMALL STREAM	DRY	
HK0913	816730	814240	10SW	MUI WO	SMALL STREAM	DRY	METAL, CERAMICS, CLEAR GLASS, PLASTICS, PAINT, FARM EFFLUENT, INDUSTRIAL WASTE
HK0914	816840	814350	10SW	MUI WO	STREAM	MODERATE FLOW	METAL, CERAMICS, CLEAR GLASS, PAINT, FARM EFFLUENT, INDUSTRIAL WASTE
HK0915	816130	814520	10SW	MUI WO	STREAM	MODERATE FLOW	
HK0916	816110	814540	10SW	MUI WO	SMALL STREAM	MODERATE FLOW	
HK0917	816250	814590	10SW	MUI WO	SMALL STREAM	MODERATE FLOW	
HK0918	816500	814650	10SW	MUI WO	STREAM	MODERATE FLOW	IRON/STEEL WIRE, POTTERY, CLEAR GLASS, INDUSTRIAL WASTE, SOLID FERTILISER
HK0919	816370	814670	10SW	MUI WO	SMALL STREAM	PONDED WITH DRY SECTIONS	IRON/STEEL WIRE, POTTERY, CLEAR GLASS, SOLID FERTILISER

Sample Name	East	North	Sheet	Locality	Drainage Type	Drainage Condition	Contamination
HK0920	819390	819050	10NW	DISCOVERY BAY	SMALL STREAM	LOW FLOW	IRON/STEEL WIRE, PLASTICS
HK0921	819300	818950	10NW	DISCOVERY BAY	SMALL STREAM	PONDED WITH DRY SECTIONS	PLASTICS
HK0922	819150	818600	10NW	DISCOVERY BAY	SMALL STREAM	MODERATE FLOW	IRON/STEEL WIRE, CERAMICS, CLEAR GLASS, PLASTICS
HK0923	819130	818550	10NW	DISCOVERY BAY	SMALL STREAM	DRY	IRON/STEEL WIRE, POTTERY
HK0924	819090	818800	10NW	DISCOVERY BAY	SMALL STREAM	MODERATE FLOW	
HK0925	819070	818150	10NW	DISCOVERY BAY	SMALL STREAM	LOW FLOW	CERAMICS
HK0926	819220	817100	10SW	DISCOVERY BAY	SMALL STREAM	LOW FLOW	
HK0927	819130	817130	10SW	DISCOVERY BAY	SMALL RIVER	MODERATE FLOW	CERAMICS
HK0928	818700	817400	10SW	DISCOVERY BAY	STREAM	MODERATE FLOW	
HK0929	818470	817230	10SW	DISCOVERY BAY	SMALL STREAM	MODERATE FLOW	
HK0930	818470	817230	10SW	DISCOVERY BAY	SMALL STREAM	MODERATE FLOW	
HK0931	818450	817310	10SW	DISCOVERY BAY	SMALL STREAM	MODERATE FLOW	
HK0932	818450	817390	10SW	DISCOVERY BAY	SMALL STREAM	MODERATE FLOW	
HK0933	817970	817170	10SW	DISCOVERY BAY	SMALL STREAM	MODERATE FLOW	
HK0934	817960	817140	10SW	DISCOVERY BAY	SMALL STREAM	MODERATE FLOW	
HK0935	818530	816600	10SW	MUI WO	SMALL STREAM	MODERATE FLOW	
HK0936	818500	816600	10SW	MUI WO	SMALL STREAM	MODERATE FLOW	
HK0937	818550	815490	10SW	MUI WO	SMALL STREAM	MODERATE FLOW	
HK0938	819140	816040	10SW	MUI WO	SMALL STREAM	MODERATE FLOW	HEAVY UNIDENTIFIABLE ORANGE POLLUTION
HK0939	818600	815100	10SW	MUI WO	SMALL STREAM	MODERATE FLOW	
HK0940	818640	815350	10SW	MUI WO	SMALL STREAM	MODERATE FLOW	IRON/STEEL WIRE, CERAMICS, CLEAR GLASS
HK0941	815750	816850	10SW	NGAU KWU LONG	SMALL STREAM	MODERATE FLOW	
HK0942	815860	817020	10SW	NGAU KWU LONG	SMALL STREAM	MODERATE FLOW	
HK0943	815950	816970	10SW	NGAU KWU LONG	SMALL STREAM	MODERATE FLOW	RECENT BUILDING HUMAN RUBBISH POLLUTION
HK0944	816430	817830	10SW	EAST TAI HO WAN	STREAM	MODERATE FLOW	
HK0945	816530	817770	10SW	EAST TAI HO WAN	SMALL STREAM	MODERATE FLOW	SOOT FROM HILL FIRE
HK0946	816200	816580	10SW	EAST TAI HO SAN TSUEN	SMALL STREAM	MODERATE FLOW	
HK0947	816300	816570	10SW	EAST TAI HO SAN TSUEN	SMALL STREAM	MODERATE FLOW	
HK0948	816480	816450	10SW	EAST TAI HO SAN TSUEN	SMALL STREAM	MODERATE FLOW	
HK0949	816500	816420	10SW	EAST TAI HO SAN TSUEN	SMALL STREAM	MODERATE FLOW	
HK0950	816390	816420	10SW	EAST TAI HO SAN TSUEN	SMALL STREAM	MODERATE FLOW	
HK0951	816240	816150	10SW	NORTH HUNG FA NGAN	SMALL STREAM	MODERATE FLOW	
HK0952	816850	815670	10SW	WONG KUNG TIN	SMALL STREAM	MODERATE FLOW	
HK0953	816660	815420	10SW	WONG KUNG TIN	SMALL STREAM	MODERATE FLOW	
HK0954	816600	815480	10SW	WONG KUNG TIN	SMALL STREAM	MODERATE FLOW	
HK0955	816660	815500	10SW	WONG KUNG TIN	SMALL STREAM	MODERATE FLOW	
HK0956	816700	815410	10SW	WONG KUNG TIN	SMALL STREAM	MODERATE FLOW	
HK0957	817900	810900	14NW	CHI MA WAN	SMALL STREAM	LOW FLOW	

Sample Name	East	North	Sheet	Locality	Drainage Type	Drainage Condition	Contamination
HK0958	817950	810190	14NW	CHI MA WAN	SMALL STREAM	MODERATE FLOW	IRON/STEEL WIRE, POTTERY, CLEAR GLASS, PLASTICS
HK0959	817810	810150	14NW	CHI MA WAN	SMALL STREAM	MODERATE FLOW	
HK0960	817750	810120	14NW	CHI MA WAN	SMALL STREAM	MODERATE FLOW	
HK0961	817600	810350	14NW	CHI MA WAN	SMALL STREAM	MODERATE FLOW	
HK0962	817600	810400	14NW	CHI MA WAN	SMALL STREAM	MODERATE FLOW	
HK0963	817650	810410	14NW	CHI MA WAN	STREAM	STRONG FLOW	
HK0964	817170	810750	14NW	CHI MA WAN	SMALL STREAM	LOW FLOW	
HK0965	817200	810790	14NW	CHI MA WAN	SMALL STREAM	MODERATE FLOW	
HK0966	817150	810820	14NW	CHI MA WAN	SMALL STREAM	MODERATE FLOW	
HK0967	817110	810900	14NW	CHI MA WAN	SMALL STREAM	MODERATE FLOW	
HK0968	817100	810810	14NW	CHI MA WAN	SMALL STREAM	DRY	
HK0969	816810	810890	14NW	CHI MA WAN	SMALL STREAM	STRONG FLOW	
HK0970	816490	810980	14NW	CHI MA WAN	SMALL STREAM	MODERATE FLOW	
HK0971	816460	810880	14NW	CHI MA WAN	SMALL STREAM	MODERATE FLOW	
HK0972	816980	811330	14NW	CHI MA WAN	SMALL STREAM	MODERATE FLOW	
HK0973	816920	811340	14NW	CHI MA WAN	SMALL STREAM	PONDED WITH DRY SECTIONS	
HK0974	817420	811680	14NW	CHI MA WAN	SMALL STREAM	MODERATE FLOW	PLASTICS
HK0975	817630	811750	14NW	CHI MA WAN	SMALL STREAM	LOW FLOW	
HK0976	817150	811560	14NW	CHI MA WAN	SMALL STREAM	MODERATE FLOW	
HK0977	808700	813220	9SE	PO LIN MONASTERY	SMALL STREAM	PONDED WITH DRY SECTIONS	CERAMICS, GLASS
HK0978	808370	814950	9SE	NEI LAK SHAN	DRAINS	DRY	
HK0979	808340	814020	9SE	NEI LAK SHAN	SMALL STREAM	MODERATE FLOW	
HK0980	808380	814170	9SE	NEI LAK SHAN	SMALL STREAM	PONDED WITH DRY SECTIONS	CERAMICS
HK0981	808380	814150	9SE	NEI LAK SHAN	SMALL STREAM	MODERATE FLOW	
HK0982	808400	814020	9SE	NEI LAK SHAN	SMALL STREAM	MODERATE FLOW	
HK0983	808870	815330	9SE	TUNG CHUNG	STREAM	MODERATE FLOW	
HK0984	808840	815390	9SE	TUNG CHUNG	DRAINS	LOW FLOW	
HK0985	809030	815430	9SE	TUNG CHUNG	STREAM	MODERATE FLOW	
HK0986	809000	815410	9SE	TUNG CHUNG	SMALL STREAM	LOW FLOW	
HK0987	809180	816670	9SE	TUNG CHUNG	STREAM	MODERATE FLOW	
HK0988	809210	816640	9SE	TUNG CHUNG	MODERATE STREAM	LOW FLOW	
HK0989	809160	816710	9SE	TUNG CHUNG	MODERATE STREAM	LOW FLOW	
HK0990	809310	815880	9SE	TUNG CHUNG	DRAINS	PONDED WITH DRY SECTIONS	
HK0991	809490	816140	9SE	TUNG CHUNG	STREAM	MODERATE FLOW	
HK0992	809450	816150	9SE	TUNG CHUNG	MODERATE STREAM	MODERATE FLOW	
HK0993	809500	816120	9SE	TUNG CHUNG	MODERATE STREAM	LOW FLOW	
HK0994	809700	816410	9SE	TUNG CHUNG	STREAM	MODERATE FLOW	
HK0995	809630	816480	9SE	TUNG CHUNG	SMALL STREAM	LOW FLOW	

Sample Name	East	North	Sheet	Locality	Drainage Type	Drainage Condition	Contamination
HK0996	809770	816480	9SE	TUNG CHUNG	STREAM	MODERATE FLOW	METAL,CERAMICS,CLEAR GLASS,PLASTICS,EFFLUENT
HK0997	809620	813320	9SE	PO LIN MONASTERY	SMALL STREAM	LOW FLOW	
HK0998	809610	813270	9SE	PO LIN MONASTERY	DRAINS	DRY	
HK0999	809560	813240	9SE	PO LIN MONASTERY	SMALL STREAM	DRY	
HK1000	809690	813370	9SE	PO LIN MONASTERY	DRAINS	DRY	METAL,BRICKS,COLOURED GLASS,PLASTICS,EFFLUENT
HK1001	809680	813380	9SE	PO LIN MONASTERY	STREAM	PONDED	
HK1002	810640	813390	9SE	TUNG CHUNG	SMALL STREAM	LOW FLOW	
HK1003	810600	813390	9SE	TUNG CHUNG	SMALL STREAM	MODERATE FLOW	
HK1004	810590	813500	9SE	TUNG CHUNG	STREAM	LOW FLOW	METAL,CERAMICS,GLASS,PLASTICS,EFFLUENT
HK1005	810500	813840	9SE	TUNG CHUNG	STREAM	LOW FLOW	IRON/STEEL WIRE,CERAMICS,CLEAR GLASS,PLASTICS
HK1006	810440	813860	9SE	TUNG CHUNG	SMALL STREAM	PONDED	IRON/STEEL WIRE,TLIES,COLOURED GLASS
HK1007	810570	814090	9SE	TUNG CHUNG	STREAM	LOW FLOW	
HK1008	810100	814100	9SE	TUNG CHUNG	DRAINS	DRY	
HK1009	810180	814170	9SE	TUNG CHUNG	DRAINS	PONDED	
HK1010	816980	815000	9SE	MUI WO	STREAM	MODERATE FLOW	METAL,CERAMICS,GLASS,PLASTICS,RUBBER,EFFLUENT,AGRO-CHEMICALS
HK1011	810200	814200	9SE	TUNG CHUNG	DRAINS	DRY	
HK1012	810270	814180	9SE	TUNG CHUNG	STREAM	DRY	
HK1013	816290	815850	9SE	MUI WO	DRAINS	LOW FLOW	
HK1014	815690	816520	9SE	MUI WO	DRAINS	PONDED	METAL,CERAMICS,GLASS,PLASTICS,EFFLUENT,AGRO-CHEMICALS
HK1015	815450	816120	10SW	MUI WO	SMALL STREAM	LOW FLOW	
HK1016	815450	816060	10SW	MUI WO	DRAINS	PONDED	
HK1017	815520	815980	10SW	MUI WO	DRAINS	LOW FLOW	
HK1018	815050	817550	10SW	MUI WO	SMALL STREAM	MODERATE FLOW	METAL,CERAMICS,GLASS,PLASTICS,EFFLUENT,AGRO-CHEMICALS
HK1019	815430	817750	10SW	MUI WO	SMALL STREAM	MODERATE FLOW	METAL,GLASS,EFFLUENT
HK1020	815370	817820	10SW	MUI WO	DRAINS	LOW FLOW	IRON/STEEL WIRE,POTTERY
HK1021	815470	817900	10SW	MUI WO	DRAINS	LOW FLOW	IRON/STEEL WIRE,POTTERY,PLASTICS
HK1022	815640	817780	10SW	MUI WO	SMALL STREAM	MODERATE FLOW	
HK1023	807960	814200	9SE	PO LIN MONASTERY	DRAINS	PONDED	
HK1024	808100	813810	9SE	PO LIN MONASTERY	DRAINS	DRY	
HK1025	808090	813740	9SE	PO LIN MONASTERY	DRAINS	DRY	IRON/STEEL WIRE,POTTERY,CLEAR GLASS,EFFLUENT
HK1026	807940	813740	9SE	PO LIN MONASTERY	SMALL STREAM	MODERATE FLOW	
HK1027	807870	813740	9SE	PO LIN MONASTERY	SMALL STREAM	LOW FLOW	
HK1028	807580	813600	9SE	PO LIN MONASTERY	SMALL STREAM	LOW FLOW	
HK1029	807580	813550	9SE	PO LIN MONASTERY	STREAM	LOW FLOW	IRON/STEEL WIRE,POTTERY,RUBBER,FRAM EFFLUENT
HK1030	807440	814180	9SW	SHAM WAT	SMALL STREAM	MODERATE FLOW	
HK1031	807400	814190	9SW	SHAM WAT	SMALL STREAM	MODERATE FLOW	
HK1032	807000	814180	9SW	SHAM WAT	SMALL STREAM	MODERATE FLOW	
HK1033	808900	811500	13NE	SHEK PIK RESERVOIR	SMALL STREAM	LOW FLOW	POTTERY,E1FRAM EFFLUENT
HK1034	808930	812090	9SE	PO LIN MONASTERY	SMALL STREAM	MODERATE FLOW	
HK1035	808660	812090	9SE	PI LIN MONASTERY	SMALL STREAM	MODERATE FLOW	
HK1036	808710	812090	9SE	PO LIN MONASTERY	DRAINS	PONDED	
HK1037	808630	812010	9SE	PO LIN MONASTERY	SMALL STREAM	MODERATE FLOW	POTTERY,E1FRAM EFFLUENT
HK1038	808510	811790	13NE	SHEK PIK RESERVOIR	DRAINS	DRY	
HK1039	808450	811770	13NE	SHEK PIK RESERVOIR	SMALL STREAM	MODERATE FLOW	

Sample Name	East	North	Sheet	Locality	Drainage Type	Drainage Condition	Contamination
HK1040	808340	811730	13NE	SHEK PIK RESERVOIR	SMALL STREAM	DRY	IRON/STEEL WIRE,POTTERY,GLASS,PLASTICS
HK1041	807870	811410	13NE	SHEK PIK RESERVOIR	STREAM	LOW FLOW	IRON/STEEL WIRE,POTTERY,CLEAR GLASS
HK1042	807830	811520	13NE	SHEK PIK RESERVOIR	SMALL STREAM	DRY	IRON/STEEL WIRE,POTTERY,CLEAR GLASS,EFFLUENT,AGRO-CHEMICALS
HK1043	807450	811540	13NW	SHEK PIK RESERVOIR	SMALL STREAM	LOW FLOW	IRON/STEEL WIRE,POTTERY,EFFLUENT
HK1044	807470	811600	13NW	SHEK PIK RESERVOIR	SMALL STREAM	LOW FLOW	
HK1045	808000	811200	13NE	SHEK PIK RESERVOIR	STREAM	DRY	
HK1046	808070	810780	13NE	SHEK PIK RESERVOIR	SMALL STREAM	PONDED	
HK1047	808230	810430	13NE	SHEK PIK RESERVOIR	DITCH	DRY	
HK1048	806840	815050	9SW	SHAM SHEK TSUEN	SMALL STREAM	LOW FLOW	
HK1049	806860	815210	9SW	SHAM SHEK TSUEN	DRAINS	DRY	
HK1050	807140	815430	9SW	SHAM SHEK TSUEN	SMALL STREAM	MODERATE FLOW	
HK1051	807180	815440	9SW	SHAM SHEK TSUEN	DRAINS	DRY	IRON/STEEL WIRE,POTTERY,CLEAR GLASS
HK1052	807340	815650	9SW	SHAM SHEK TSUEN	SMALL STREAM	DRY	
HK1053	807770	815660	9SE	SHA LO WAN	SMALL STREAM	MODERATE FLOW	
HK1054	807800	815700	9SE	SHA LO WAN	SMALL STREAM	MODERATE FLOW	
HK1055	808100	815400	9SE	SHA LO WAN	SMALL STREAM	LOW FLOW	
HK1056	808130	815430	9SE	SHA LO WAN	SMALL STREAM	PONDED	
HK1057	807840	816000	9SE	SHA LO WAN	DRAINS	PONDED	IRON/STEEL WIRE,POTTERY,CLEAR GLASS
HK1058	808120	815970	9SE	SHA LO WAN	SMALL STREAM	PONDED	IRON/STEEL WIRE,POTTERY,CLEAR GLASS
HK1059	808620	816670	9SE	SHA LO WAN	SMALL STREAM	LOW FLOW	
HK1060	808700	816650	9SE	SHA LO WAN	SMALL STREAM	MODERATE FLOW	
HK1061	808780	816250	9SE	SHA LO WAN	SMALL STREAM	MODERATE FLOW	
HK1062	808820	816300	9SE	SHA LO WAN	DRAINS	MODERATE FLOW	
HK1063	808750	816320	9SE	SHA LO WAN	SMALL STREAM	MODERATE FLOW	
HK1064	807860	816600	9SE	SHA LO WAN	SMALL STREAM	MODERATE FLOW	IRON/STEEL WIRE,CERAMICS,EFFLUENT,BULK INDUSTRIAL WASTE
HK1065	807920	816610	9SE	SHA LO WAN	SMALL STREAM	LOW FLOW	METAL,CERAMICS,PLASTICS,RUBBER,EFFLUENT,BULK INDUSTRIAL WASTE
HK1066	803680	809560	13NW	FAN SHUI AU	SMALL STREAM	MODERATE FLOW	POTTERY,EFFLUENT,BULK INDUSTRIAL WASTE,AGRO-CHEMICALS
HK1067	803780	809460	13NW	FAN SHUI AU	DRAINS	LOW FLOW	POTTERY,GLASS
HK1068	803960	809500	13NW	FAN SHUI AU	DRAINS	LOW FLOW	
HK1069	803960	809560	13NW	FAN SHUI AU	DRAINS	LOW FLOW	
HK1070	804190	810160	13NW	TSZ HING MONASTERY	DITCH	DRY	METAL,CERAMICS,GLASS,EFFLUENT
HK1071	804150	810110	13NW	MAN CHEUNG PO	SMALL STREAM	MODERATE FLOW	
HK1072	819110	814540	10SW	MUI WO BAY	SMALL STREAM	LOW FLOW	POTTERY
HK1073	803580	811760	13NW	TAI O BAY	DRAINS	PONDED	IRON/STEEL WIRE,POTTERY,CLEAR GLASS
HK1074	803540	811750	13NW	TAI O BAY	SMALL STREAM	LOW FLOW	IRON/STEEL WIRE,POTTERY
HK1075	802860	811140	13NW	TAI O	SMALL STREAM	LOW FLOW	IRON/STEEL WIRE,POTTERY,CLEAR GLASS,PLASTICS,RUBBER
HK1076	802950	810740	13NW	TAI O	SMALL STREAM	PONDED	IRON/STEEL WIRE,POTTERY,CLEAR GLASS,PLASTICS,RUBBER
HK1077	802970	810440	13NW	TAI O	SMALL STREAM	DRY	IRON/STEEL WIRE,CERAMICS,GLASS,PLASTICS
HK1078	803650	810260	13NW	TAI O	SMALL STREAM	MODERATE FLOW	METAL,CERAMICS,GLASS,EFFLUENT
HK1079	803580	810240	13NW	TAI O	SMALL STREAM	MODERATE FLOW	
HK1080	804520	810270	13NW	TSZ HING MONASTERY	SMALL STREAM	LOW FLOW	
HK1081	819200	814480	10SW	SILVERMINE BAY	SMALL STREAM	LOW FLOW	IRON/STEEL WIRE,POTTERY,CLEAR GLASS,PLASTICS,PAINT,FRAM EFFLUENT

Sample Name	East	North	Sheet	Locality	Drainage Type	Drainage Condition	Contamination
HK1082	819920	814880	10SW	SHAU KAT WAN	SMALL STREAM	LOW FLOW	POTTERY
HK1083	820180	815230	10SW	TAI SHUI HANG	DRAINS	DRY	POTTERY,CLEAR GLASS
HK1084	820260	815500	10SW	TAI SHUI HANG	SMALL STREAM	PONDED	
HK1085	820100	816230	10SW	TAI SHUI HANG	DRAINS	LOW FLOW	CERAMICS,GLASS
HK1086	819900	816480	10SW	DISCOVERY BAY	DRAINS	MODERATE FLOW	AGRO-CHEMICALS
HK1087	819750	816850	10SW	DISCOVERY BAY	SMALL STREAM	LOW FLOW	METAL,POTTERY,CLEAR GLASS,PLASTICS
HK1088	819780	819240	10NW	SAM PAK WAN	SMALL STREAM	LOW FLOW	POTTERY,CLEAR GLASS
HK1089	819660	819220	10NW	SAM PAK WAN	DRAINS	LOW FLOW	IRON/STEEL WIRE,POTTERY
HK1090	820260	819110	10NW	SAM PAK WAN	SMALL STREAM	DRY	
HK1091	820830	819530	10NW	SZ PAK WAN	STREAM	MODERATE FLOW	
HK1092	820830	819610	10NW	SZ PAK WAN	SMALL STREAM	PONDED	
HK1093	820770	819600	10NW	SZ PAK WAN	SMALL STREAM	LOW FLOW	
HK1094	821725	819940	10NW	PENNY'S BAY	DRAINS	DRY	
HK1095	821530	820460	10NW	PENNY'S BAY	SMALL STREAM	LOW FLOW	
HK1096	822070	821030	10NW	PENNY'S BAY	SMALL STREAM	MODERATE FLOW	IRON/STEEL WIRE,POTTERY,CLEAR GLASS,FRAM EFFLUENT
HK1097	823270	820690	10NE	PA TAM KWU	SMALL STREAM	DRY	
HK1098	823500	821510	10NE	PA TAM KWU	SMALL STREAM	PONDED	
HK1099	823390	821110	10NE	FA PENG	SMALL STREAM	MODERATE FLOW	
HK1100	823550	821201	10NE	FA PENG	SMALL STREAM	MODERATE FLOW	IRON/STEEL WIRE,POTTERY,CLEAR GLASS,PLASTICS,EFFLUENT
HK1101	823430	821200	10NE	FA PENG	DRAINS	PONDED	
HK1102	823520	821630	10NE	FA PENG	DRAINS	LOW FLOW	POTTERY,CLEAR GLASS,EFFLUENT,AGRO-CHEMICALS
HK1103	823530	821710	10NE	FA PENG	DRAINS	DRY	
HK1104	823630	821870	10NE	FA PENG	DRAINS	DRY	
HK1105	823660	822220	10NE	FA PENG	DRAINS	DRY	
HK1106	818370	810430	14NW	CHI MA WAN	DRAINS	PONDED	POTTERY,CLEAR GLASS,PLASTICS
HK1107	818460	810380	14NW	CHI MA WAN	DRAINS	PONDED	IRON/STEEL WIRE,CERAMICS,CLEAR GLASS
HK1108	818900	810350	14NW	CHI MA WAN	SMALL STREAM	MODERATE FLOW	POTTERY,CLEAR GLASS
HK1109	818000	809300	14NW	TAI LONG WAN	SMALL STREAM	LOW FLOW	GLASS,PLASTICS
HK1110	817560	809160	14NW	TAI LONG WAN	SMALL STREAM	LOW FLOW	
HK1111	818750	809030	14NW	CHI MA WAN	SMALL STREAM	PONDED	
HK1112	819000	809200	14NW	CHI MA WAN	SMALL STREAM	DRY	
HK1113	819250	809630	14NW	CHI MA WAN	SMALL STREAM	MODERATE FLOW	EFFLUENT
HK1114	816750	808800	14NW	CHI MA WAN	SMALL STREAM	DRY	
HK1115	816500	809620	14NW	CHI MA WAN	SMALL STREAM	DRY	
HK1116	816000	810290	14NW	CHI MA WAN	SMALL STREAM	DRY	
HK1117	816010	810470	14NW	CHI MA WAN	SMALL STREAM	PONDED	
HK1118	818740	813200	10SW	SILVERMINE BAY	SMALL STREAM	MODERATE FLOW	POTTERY,CLEAR GLASS,PLASTICS,EFFLUENT
HK1119	818630	812500	10SW	CHI MA WAN	SMALL STREAM	MODERATE FLOW	IRON/STEEL WIRE,POTTERY,CLEAR GLASS,EFFLUENT
HK1120	818100	812380	10SW	CHI MA WAN	SMALL STREAM	MODERATE FLOW	
HK1121	817880	812110	10SW	CHI MA WAN	SMALL STREAM	MODERATE FLOW	POTTERY,CLEAR GLASS
HK1122	807120	812840	9SW	SHAM WAT	SMALL STREAM	DRY	
HK1123	807110	812790	9SW	SHAM WAT	SMALL STREAM	LOW FLOW	IRON/STEEL WIRE,POTTERY,GLASS
HK1124	807050	812760	9SW	SHAM WAT	SMALL STREAM	MODERATE FLOW	POTTERY,GLASS
HK1125	807250	812650	9SW	SHAM WAT	SMALL STREAM	DRY	

Sample Name	East	North	Sheet	Locality	Drainage Type	Drainage Condition	Contamination
HK1126	807280	812680	9SW	SHAM WAT	SMALL STREAM	DRY	POTTERY,CLEAR GLASS
HK1127	808070	808360	13NE	SHEK LAM CHAU	SMALL STREAM	MODERATE FLOW	
HK1128	809020	807880	13NE	LO KEI WAN	DRAINS	DRY	
HK1129	802900	807200	13NW	FAN LAU	SMALL STREAM	MODERATE FLOW	POTTERY,CLEAR GLASS
HK1130	802600	807400	13NW	FAN LAU	SMALL STREAM	MODERATE FLOW	
HK1131	802020	808170	13NW	FAN LAU	DRAINS	DRY	
HK1132	801970	808270	13NW	FAN LAU	DRAINS	DRY	POTTERY,CLEAR GLASS
HK1133	802420	809230	13NW	YI O VALLEY	SMALL STREAM	DRY	
HK1134	802470	809280	13NW	YI O VALLEY	SMALL STREAM	PONDED	
HK1135	802280	809240	13NW	YI O VALLEY	SMALL STREAM	LOW FLOW	POTTERY,CLEAR GLASS
HK1136	802370	809420	13NW	YI O VALLEY	SMALL STREAM	PONDED	
HK1137	802370	809470	13NW	YI O VALLEY	DRAINS	DRY	
HK1138	802620	810050	13NW	YI O VALLEY	SMALL STREAM	DRY	POTTERY,CLEAR GLASS
HK1139	805920	814570	9SW	SHAM WAT	SMALL STREAM	DRY	
HK1140	805510	814570	9SW	TAI O	SMALL STREAM	LOW FLOW	
HK1141	805460	814540	9SW	TAI O	SMALL STREAM	DRY	POTTERY,CLEAR GLASS
HK1142	805020	814410	9SW	TAI O	SMALL STREAM	DRY	
HK1143	804570	813890	9SW	TAI O	SMALL STREAM	DRY	
HK1144	803560	813380	9SW	TAI O	DITCH	DRY	POTTERY,CLEAR GLASS
HK1145	803080	812930	9SW	TAI O	DITCH	DRY	
HK1146	805520	812740	9SW	ABOVE TAI O	SMALL STREAM	DRY	
HK1147	805650	812800	9SW	ABOVE TAI O	DRAINS	DRY	POTTERY,CLEAR GLASS
HK1148	805670	812750	9SW	ABOVE TAI O	DRAINS	DRY	
HK1149	805190	813000	9SW	ABOVE TAI O	SMALL STREAM	DRY	
HK1150	822220	821800	10NW	TSING CHAU WAN	SMALL STREAM	MODERATE FLOW	POTTERY,FRAM EFFLUENT,SOLID FERTILISERS
HK1151	821560	821500	10NW	YAM O BAY	DITCH	DRY	
HK1152	820680	820750	10NW	YAM O BAY	DRAINS	DRY	
HK1153	820500	820520	10NW	YAM O BAY	SMALL STREAM	LOW FLOW	CERAMICS,PLASTICS,EFFLUENT
HK1154	820000	820260	10NW	YAM O BAY	SMALL STREAM	MODERATE FLOW	
HK1155	819760	820570	10NW	YAM O BAY	DRAINS	DRY	
HK1156	819260	820540	10NW	NORTH LANTAU EXPRESSWAY	DRAINS	PONDED	POTTERY,CLEAR GLASS
HK1157	819080	820460	10NW	NORTH LANTAU EXPRESSWAY	SMALL STREAM	LOW FLOW	
HK1158	818730	820200	10NW	NORTH LANTAU EXPRESSWAY	SMALL STREAM	MODERATE FLOW	
HK1159	818490	820170	10NW	NORTH LANTAU EXPRESSWAY CLP SUBSTATION	DITCH	PONDED	METAL,CERAMICS,PLASTICS,RUBBER,EFFLUENT
HK1160	818020	819520	10NW	SIU HO WAN LANTAU	SMALL STREAM	MODERATE FLOW	
HK1161	818150	819120	10NW	SIU HO WAN LANTAU	DRAINS	LOW FLOW	
HK1162	818070	819110	10NW	SIU HO WAN LANTAU	SMALL STREAM	MODERATE FLOW	POTTERY,CLEAR GLASS,FRAM EFFLUENT

Sample Name	East	North	Sheet	Locality	Drainage Type	Drainage Condition	Contamination
HK1163	818100	819090	10NW	SIU HO WAN LANTAU	SMALL STREAM	DRY	
HK1164	817260	818860	10NW	SIU HO WAN LANTAU	DRAINS	DRY	
HK1165	817260	818900	10NW	SIU HO WAN LANTAU	SMALL STREAM	MODERATE FLOW	
HK1166	817010	818720	9NE	SIU HO WAN LANTAU	SMALL STREAM	PONDED	
HK1167	816200	818210	10NW	TAI HO WAN	SMALL STREAM	MODERATE FLOW	POTTERY,CLEAR GLASS
HK1168	814910	817260	9SE	TAI HO WAN	STREAM	MODERATE FLOW	POTTERY,CLEAR GLASS
HK1169	813950	817390	9SE	NORTH LANTAU EXPRESSWAY	SMALL STREAM	MODERATE FLOW	
HK1170	813400	817100	9SE	TUNG CHUNG	SMALL STREAM	MODERATE FLOW	
HK1171	813260	817000	9SE	NORTH LANTAU EXPRESSWAY	DRAINS	DRY	
HK1172	813120	816500	9SE	NORTH LANTAU EXPRESSWAY	DRAINS	DRY	
HK1173	812850	816690	9SE	NORTH LANTAU EXPRESSWAY	SMALL STREAM	MODERATE FLOW	POTTERY,CLEAR GLASS,FRAM EFFLUENT
HK1174	813100	816450	9SE	TUNG CHUNG	DRAINS	DRY	POTTERY
HK1175	812690	816580	9SE	TUNG CHUNG	SMALL STREAM	LOW FLOW	
HK1176	812310	816400	9SE	TUNG CHUNG	SMALL STREAM	MODERATE FLOW	POTTERY,FRAM EFFLUENT
HK1177	812000	815970	9SE	TUNG CHUNG	DRAINS	DRY	IRON/STEEL WIRE,POTTERY,CLEAR GLASS,PLASTICS,FRAM EFFLUENT
HK1178	811900	812950	9SE	TUNG CHUNG	SMALL STREAM	PONDED	
HK1179	811930	812620	9SE	TUNG CHUNG	SMALL STREAM	MODERATE FLOW	
HK1180	809140	808900	13NE	SHUI HAU VILLAGE	DITCH	DRY	IRON/STEEL WIRE,POTTERY,PLASTICS
HK1181	809820	808030	13NE	LO KEI WAN	DRAINS	PONDED	
HK1182	808800	809000	13NE	SHUI HAU VILLAGE	DRAINS	PONDED	
HK1183	808860	809170	13NE	SHUI HAU VILLAGE	SMALL STREAM	STRONG FLOW	METAL,CERAMICS,CLEAR GLASS,PLASTICS,EFFLUENT,AGRO-CHEMICALS
HK1184	808460	809260	13NE	SHUI HAU VILLAGE	DRAINS	MODERATE FLOW	
HK1185	813790	814300	9SE	TUNG CHUNG	STREAM	MODERATE FLOW	
HK1186	813590	814120	9SE	TUNG CHUNG	DRAINS	PONDED	
HK1187	813650	814520	9SE	TUNG CHUNG	SMALL STREAM	MODERATE FLOW	
HK1188	813650	814600	9SE	TUNG CHUNG	SMALL STREAM	MODERATE FLOW	
HK1189	813530	814150	9SE	TUNG CHUNG	SMALL STREAM	STRONG FLOW	
HK1190	813590	814580	9SE	TUNG CHUNG	SMALL STREAM	DRY	
HK1191	813550	814700	9SE	TUNG CHUNG	DRAINS	LOW FLOW	
HK1192	814020	814860	9SE	TUNG CHUNG	DRAINS	DRY	
HK1193	814000	814900	9SE	TUNG CHUNG	DRAINS	DRY	
HK1194	809530	814430	9SE	TUNG CHUNG	DRAINS	DRY	
HK1195	809530	814510	9SE	TUNG CHUNG	DRAINS	DRY	
HK1196	809620	814510	9SE	TUNG CHUNG	DRAINS	PONDED	
HK1197	809780	814560	9SE	TUNG CHUNG	SMALL STREAM	LOW FLOW	
HK1198	809780	814600	9SE	TUNG CHUNG	DRAINS	DRY	
HK1199	809860	814600	9SE	TUNG CHUNG	SMALL STREAM	LOW FLOW	
HK1200	809840	814650	9SE	TUNG CHUNG	DRAINS	DRY	
HK1201	809980	814530	9SE	TUNG CHUNG	SMALL STREAM	MODERATE FLOW	
HK1202	810430	814400	9SE	TUNG CHUNG	SMALL STREAM	MODERATE FLOW	IRON/STEEL WIRE,POTTERY,CLEAR GLASS

Sample Name	East	North	Sheet	Locality	Drainage Type	Drainage Condition	Contamination
HK1203	809970	809930	13NE	SHEK PIK CATCHWATER	SMALL STREAM	LOW FLOW	POTTERY
HK1204	810600	814400	9SE	TUNG CHUNG	STREAM	MODERATE FLOW	METAL,CERAMICS,CLEAR GLASS,EFFLUENT
HK1205	810710	814450	9SE	TUNG CHUNG	STREAM	MODERATE FLOW	METAL,CERAMICS,CLEAR GLASS,PLASTICS,,EFFLUENT
HK1206	804910	811910	13NW	TAI O	SMALL STREAM	DRY	
HK1207	804670	812940	9SW	TAI O	SMALL STREAM	MODERATE FLOW	POTTERY,CLEAR GLASS,EFFLUENT
HK1208	808600	810580	13NE	SHEK PIK RESERVOIR	SMALL STREAM	LOW FLOW	
HK1209	808780	810940	13NE	SHEK PIK RESERVOIR	SMALL STREAM	LOW FLOW	
HK1210	819800	820070	10NW	YAM O	DRAINS	DRY	
HK1211	819880	820000	10NW	YAM O	DRAINS	LOW FLOW	
HK1212	809750	808630	13NE	SHUI HAU	SMALL STREAM	LOW FLOW	
HK1213	814860	816270	9SE	POR KAI SHAN	SEEPAGE	PONDED	
HK1214	817740	838320	2SW	SHA KIU HA WAN TSUEN	SMALL STREAM	LOW FLOW	
HK1215	816940	837010	2SW	LAU FAU SHAN ROAD	SMALL STREAM	LOW FLOW	IRON/STEEL WIRE, BRICKS
HK1216	817650	837120	2SW	MONG TSENG TSUEN	SMALL STREAM	PONDED	IRON/STEEL WIRE
HK1217	820340	836440	2SW	NG UK TSUEN	DRAINS	LOW FLOW	IRON/STEEL WIRE
HK1218	814980	834320	5NE	NGAU HOM SHA	SMALL STREAM	MODERATE FLOW	IRON/STEEL WIRE
HK1219	813240	833680	5NE	NIM WAN ROAD	SMALL STREAM	MODERATE FLOW	IRON/STEEL WIRE
HK1220	824530	836590	2SE	LONG HA	SMALL STREAM	MODERATE FLOW	RUBBER
HK1221	825590	836545	2SE	NGAN TAM MEI	SEEPAGE	PONDED	
HK1222	825940	836560	2SE	FUK HING LEI	SMALL STREAM	MODERATE FLOW	GLASS
HK1223	826095	836975	2SE	FUK HING LEI	STREAM	MODERATE FLOW	CERAMICS
HK1224	826535	837240	2SE	NGAU TAM MEI VALLEY	SMALL STREAM	MODERATE FLOW	CERAMICS
HK1225	824900	836650	2SE	NGAU TAM MEI VALLEY	SEEPAGE	LOW FLOW	CERAMICS
HK1226	826810	837530	2SE	NGAU TAM MEI VALLEY	SMALL STREAM	MODERATE FLOW	CERAMICS
HK1227	826750	837460	2SE	NGAU TAU MEI VALLEY	SMALL STREAM	MODERATE FLOW	METAL, CERAMICS
HK1228	826750	837345	2SE	NGAU TAM MEI VALLEY	SMALL STREAM	STRONG FLOW	CERAMICS
HK1229	826860	837280	2SE	NGAU TAM MEI VALLEY	SMALL STREAM	MODERATE FLOW	GALVANISED IRON
HK1230	826450	837520	2SE	NGAN TAM MEI VALLEY	SMALL STREAM	MODERATE FLOW	CLEAR GLASS
HK1231	827510	837380	2SE	NGAU TAM MEI VALLEY	SMALL STREAM	MODERATE FLOW	METAL
HK1232	823995	836400	2SE	LONG HA	SMALL STREAM	MODERATE FLOW	METAL, CERAMICS, GLASS, PLASTICS
HK1233	824875	838550	2SE	MAI PO SAN TSUEN	SMALL STREAM	DRY	GLAZED CHINA
HK1234	825600	839490	2SE	TSING LUNG TSUEN	SMALL STREAM	MODERATE FLOW	METAL
HK1235	824700	839370	2SE	MAI PO LO WAI	SMALL STREAM	LOW FLOW	CERAMICS, PLASTICS
HK1236	826275	838540	2SE	SIU HUM TSUEN	DRAINS	PONDED	CERAMICS
HK1237	826280	838155	2SE	SIU HUM TSUEN	SMALL STREAM	MODERATE FLOW	PLASTICS
HK1238	826185	838300	2SE	SIU HUM TSUEN	SMALL STREAM	MODERATE FLOW	BRICKS, BULK INDUSTRIAL WASTE
HK1239	825525	838090	2SE	SHEK WU WAI SAN TSUEN	DRAINS	DRY	
HK1240	826990	840155	2SE	HADDEN HILL	SMALL STREAM	MODERATE FLOW	POTTERY, PLASTICS
HK1241	826448	841730	2SE	LOK MA CHAU	SMALL STREAM	MODERATE FLOW	METAL
HK1242	827325	841020	2SE	PAK SHEK AU	DITCH	MODERATE FLOW	CERAMICS
HK1243	827630	841660	2SE	TIT HANG	SMALL STREAM	MODERATE FLOW	METAL, CERAMICS

Sample Name	East	North	Sheet	Locality	Drainage Type	Drainage Condition	Contamination
HK1244	829400	841950	2SE	LO WU CAMP	SMALL STREAM	MODERATE FLOW	METAL, CERAMICS, COLOURED GLASS
HK1245	829325	840970	2SE	HO SHEUNG HEUNG	SMALL STREAM	MODERATE FLOW	METAL
HK1246	829400	840995	2SE	SHEUNG YUE HO RIVER, HO SHEUNG HEUNG	STREAM	STRONG FLOW	PLASTICS
HK1247	828545	838710	2SE	HANG TAU	STREAM	STRONG FLOW	METAL
HK1248	828295	838560	2SE	CHEUNG LEK	SMALL STREAM	MODERATE FLOW	PLASTICS
HK1249	827350	840260	2SE	PAK SHEK AU	DRAINS	MODERATE FLOW	CERAMICS, PLASTICS
HK1250	826850	839700	2SE	KI LUN TSUEN	SMALL STREAM	DRY	
HK1251	827185	839345	2SE	KI LUN TSUEN	SMALL STREAM	MODERATE FLOW	METAL
HK1252	827330	838950	2SE	KI LUN SHAN	SMALL STREAM	MODERATE FLOW	PLASTICS
HK1253	827205	838800	2SE	KI LUN SHAN	SMALL STREAM	MODERATE FLOW	BULK INDUSTRIAL WASTE
HK1254	827280	838710	2SE	KI LUN SHAN	SMALL STREAM	MODERATE FLOW	METAL, PLASTICS
HK1255	827980	838120	2SE	CHEUNG LEK	SMALL STREAM	MODERATE FLOW	METAL, CERAMICS
HK1256	827790	839184	2SE	HADDEN HILL	SMALL STREAM	MODERATE FLOW	PLASTICS
HK1257	826880	838520	2SE	SIU HUM TSUEN	SMALL STREAM	MODERATE FLOW	METAL
HK1258	826950	838510	2SE	SIU HUM TSUEN	SMALL STREAM	MODERATE FLOW	METAL, PLASTICS
HK1259	826885	838600	2SE	SIU HUM TSUEN	SMALL STREAM	MODERATE FLOW	METAL
HK1260	828110	839530	2SE	KI LUN SHAN	SMALL STREAM	LOW FLOW	
HK1261	827780	839870	2SE	KI LUN SHAN	SMALL STREAM	MODERATE FLOW	
HK1262	827890	839700	2SE	KI LUN SHAN	SMALL STREAM	MODERATE FLOW	
HK1263	828430	839970	2SE	KWU TUNG	SMALL STREAM	MODERATE FLOW	METAL, CERAMICS
HK1264	828670	840030	2SE	SHEUNG YUE HO	SMALL STREAM	MODERATE FLOW	METAL, CERAMICS, GLASS
HK1265	828330	839280	2SE	SHEUNG YUE HO	SMALL STREAM	MODERATE FLOW	GLASS
HK1266	828425	834670	2SE	SHUI KAN SHEK	SMALL STREAM	MODERATE FLOW	METAL, CERAMICS, GLASS, PLASTICS, RUBBER
HK1267	828545	834370	2SE	CHUK HANG	SMALL STREAM	MODERATE FLOW	METAL, CERAMICS, GLASS
HK1268	827950	834300	6NE	CHUK HANG	SMALL STREAM	MODERATE FLOW	METAL, CERAMICS, GLASS, PLASTICS
HK1269	827940	834250	6NE	CHUK HANG	SMALL STREAM	MODERATE FLOW	METAL, CERAMICS, GLASS
HK1270	829290	838570	2SE	TONG KUNG LENG	SMALL STREAM	MODERATE FLOW	METAL, CERAMICS, PLASTICS
HK1271	828300	837450	2SE	TSIU KENG PANG UK	SMALL STREAM	MODERATE FLOW	
HK1272	827890	837390	2SE	TSIU KENG SAN WAI	SMALL STREAM	MODERATE FLOW	CLEAR GLASS
HK1273	827780	837530	2SE	TSIU KENG PANG UK	SMALL STREAM	MODERATE FLOW	
HK1274	828050	837220	2SE	TSIU KENG PANG UK	SMALL STREAM	MODERATE FLOW	CERAMICS
HK1275	828100	837280	2SE	TSIU KENG PANG UK	SMALL STREAM	MODERATE FLOW	METAL, CERAMICS
HK1276	828540	837090	2SE	TSIU KENG SAN WAI	SMALL STREAM	MODERATE FLOW	METAL, CLEAR GLASS, PLASTICS
HK1277	829270	837920	2SE	LIN TONG MEI	SMALL STREAM	MODERATE FLOW	METAL, GLAZED CHINA, CLEAR GLASS, PLASTICS
HK1278	829150	837900	2SE	LIN TONG MEI	SMALL STREAM	MODERATE FLOW	METAL, CLEAR GLASS, PLASTICS
HK1279	829920	837520	2SE	LIN TONG MEI	SMALL STREAM	MODERATE FLOW	METAL
HK1280	829290	836590	2SE	FAN KAM ROAD	SMALL STREAM	MODERATE FLOW	METAL, PLASTICS
HK1281	829390	836600	2SE	FAN KAM ROAD	SMALL STREAM	MODERATE FLOW	METAL
HK1282	829130	836400	2SE	FAN KAM ROAD	SMALL STREAM	MODERATE FLOW	
HK1283	829780	836670	2SE	YING PON	SMALL STREAM	MODERATE FLOW	METAL
HK1284	829900	836670	2SE	YING PUN	SMALL STREAM	MODERATE FLOW	METAL, GLAZED CHINA, GLASS, PLASTICS, RUBBER
HK1285	829790	836180	2SE	TA SMEK WU	SMALL STREAM	MODERATE FLOW	PLASTICS
HK1286	828850	836140	2SE	FAN KAM ROAD	SMALL STREAM	DRY	

Sample Name	East	North	Sheet	Locality	Drainage Type	Drainage Condition	Contamination
HK1287	829110	835930	2SE	TA SHEK WU	SMALL STREAM	MODERATE FLOW	
HK1288	828420	832280	6NE	KAM SHEUNG ROAD	SMALL STREAM	MODERATE FLOW	METAL, CERAMICS, GLASS, FRAM EFFLUENT
HK1289	829070	831690	6NE	LUI KUNG TIN	SMALL STREAM	MODERATE FLOW	METAL
HK1290	828910	831540	6NE	LUI KUNG TIN	SMALL STREAM	MODERATE FLOW	METAL
HK1291	829270	832170	6NE	SHEK KONG VILLAGE	SMALL STREAM	MODERATE FLOW	METAL
HK1292	829280	832210	6NE	SMEK KONG VILLAGE	SMALL STREAM	MODERATE FLOW	METAL, GLASS
HK1293	829660	832730	6NE	WONG CHOK YUEN	SMALL STREAM	MODERATE FLOW	CERAMICS
HK1294	829720	832580	6NE	WONG CHOK YEN	SMALL STREAM	MODERATE FLOW	METAL, CLEAR GLASS
HK1295	829400	832790	6NE	WONG CHUK YEN	SMALL STREAM	MODERATE FLOW	
HK1296	829130	830950	6NE	KAP LUNG	SMALL STREAM	MODERATE FLOW	
HK1297	829050	830860	6NE	KAP LUNG	SMALL STREAM	MODERATE FLOW	
HK1298	829030	831100	6NE	KAP LUNG	SMALL STREAM	MODERATE FLOW	
HK1299	829010	831070	6NE	KAP LUNG	SMALL STREAM	MODERATE FLOW	
HK1300	829380	830295	6NE	ROUTE TWIAK	SMALL STREAM	MODERATE FLOW	
HK1301	828830	830600	6NE	ROUTE TWISK	SMALL STREAM	MODERATE FLOW	
HK1302	828820	830610	6NE	KSP LUNG	SMALL STREAM	MODERATE FLOW	
HK1303	829700	831570	6NE	LIU KUNG TIN	SMALL STREAM	MODERATE FLOW	METAL, CERAMICS
HK1304	829750	831530	6NE	LUI KUNG TIN	SMALL STREAM	MODERATE FLOW	
HK1305	829785	831555	6NE	LUI KUNG TIN	SMALL STREAM	MODERATE FLOW	
HK1306	829910	831420	6NE	LUI KUNG TIN	SMALL STREAM	MODERATE FLOW	
HK1307	829930	831455	6NE	LUI KUNG TIN	SMALL STREAM	MODERATE FLOW	
HK1308	828720	831430	6NE	LUI KUNG TIN	SMALL STREAM	MODERATE FLOW	METAL
HK1309	828750	831360	6NE	KAP LUNG	SMALL STREAM	MODERATE FLOW	METAL
HK1310	827930	831430	6NE	CATCHWATER ROAD	SMALL STREAM	MODERATE FLOW	METAL, CERAMICS
HK1311	827750	831175	6NE	CATCHWATER ROAD	SMALL STREAM	MODERATE FLOW	
HK1312	828510	832945	6NE	KAM TIN ROAD	SMALL STREAM	MODERATE FLOW	METAL, CERAMICS
HK1313	829130	830950	6NE	KAP LUNG	SMALL STREAM	MODERATE FLOW	
HK1314	826720	830650	6NE	TSING TAM RESERVOIR	DRAINS	MODERATE FLOW	CERAMICS
HK1315	825940	830310	6NE	CATHCHWATER ROAD	SMALL STREAM	MODERATE FLOW	
HK1316	825570	830070	6NE	HO PUI	SMALL STREAM	MODERATE FLOW	METAL
HK1317	825180	830210	6NE	HO PUI	SMALL STREAM	MODERATE FLOW	CERAMICS,SLAG
HK1318	823760	829480	6SE	CATCHWATER ROAD	SMALL STREAM	MODERATE FLOW	CERAMICS
HK1319	823320	829310	6SE	CATCHWATER ROAD	SMALL STREAM	MODERATE FLOW	
HK1320	823260	829185	6SE	CATCHWATER ROAD	SMALL STREAM	MODERATE FLOW	
HK1321	823190	829100	6SE	CATCHWATER ROAD	SMALL STREAM	MODERATE FLOW	METAL
HK1322	823060	828740	6SE	COUNTRY PACK MANAGEMENT CENTRE	STREAM	MODERATE FLOW	
HK1323	824430	835390	6NE	FUNG KAT HEUNG ROAD	SMALL STREAM	DRY	METAL
HK1324	824655	835380	6NE	FUNG KAT HEUNG ROAD	SMALL STREAM	LOW FLOW	CERAMICS
HK1325	825010	835200	6NE	FUNG KAT HEUNG ROAD	SMALL STREAM	MODERATE FLOW	
HK1326	825160	835170	6NE	FAT KUNG HEUNG ROAD	SMALL STREAM	MODERATE FLOW	
HK1327	825260	835085	6NE	FAT KUNG HEUNG ROAD	SMALL STREAM	MODERATE FLOW	METAL

Sample Name	East	North	Sheet	Locality	Drainage Type	Drainage Condition	Contamination
HK1328	825340	834870	6NE	FAT KUNG HEUNG ROAD	SMALL STREAM	MODERATE FLOW	METAL
HK1329	823700	834710	6NE	CASTLE PEAK ROAD	SMALL STREAM	MODERATE FLOW	METAL, CERAMICS, FRAM EFFLUENT
HK1330	825220	833510	6NE	TAI PO KONG ROAD	SMALL STREAM	MODERATE FLOW	METAL, CERAMICS, GLASS, PLASTICS, EFFLUENT, AGRO-CHEMICALS
HK1331	826800	833500	6NE	KAM TIN ROAD	SMALL STREAM	MODERATE FLOW	METAL, GLASS, PLASTICS
HK1332	826760	833600	6NE	YAU UK TSUEN	SMALL STREAM	MODERATE FLOW	METAL, PLASTICS
HK1333	828790	827175	6SE	KWONG PAN TIN SAN TSUEN	SMALL STREAM	MODERATE FLOW	METAL
HK1334	828285	827320	6SE	KWONG PAN TIN SAN TSUEN	SMALL STREAM	MODERATE FLOW	CERAMICS, PLASTICS
HK1335	827850	826040	6SE	CATCHWATER ROAD	DRAINS	MODERATE FLOW	CERAMICS
HK1336	827175	825835	6SE	YAU KOM TAU	SMALL STREAM	MODERATE FLOW	
HK1337	826820	825710	6SE	TING KAU	SMALL STREAM	DRY	
HK1338	826460	825870	6SE	TING KAU	DRAINS	MODERATE FLOW	CERAMICS
HK1339	825700	826120	6SE	TING KAU	DRAINS	MODERATE FLOW	CERAMICS
HK1340	825490	826900	6SE	TING KAU	DRAINS	MODERATE FLOW	CERAMICS
HK1341	825480	826990	6SE	TING KAU	SMALL STREAM	MODERATE FLOW	CERAMICS
HK1342	826270	826060	6SE	TING KAU	DRAINS	MODERATE FLOW	CERAMICS
HK1343	828320	826240	6SE	PUN SHAM TSUEN	SMALL STREAM	LOW FLOW	CERAMICS
HK1344	823620	828660	6SE	COUNTRY PEAK MANAGEMENT CENTRE	SMALL STREAM	MODERATE FLOW	
HK1345	823615	828720	6SE	COUNTRY PEAK MANAGEMENT CENTRE	SMALL STREAM	MODERATE FLOW	CERAMICS
HK1346	824640	828230	6SE	TIN FU TSAI	SMALL STREAM	MODERATE FLOW	CERAMICS
HK1347	824290	828360	6SE	TIN FU TSAI	SMALL STREAM	MODERATE FLOW	CERAMICS, PLASTICS
HK1348	824550	827720	6SE	TIN FU TSAI	SMALL STREAM	MODERATE FLOW	PLASTICS
HK1349	823300	828550	6SE	COUNTRY PARK MANAGEMENT CENYRE	SMALL STREAM	MODERATE FLOW	
HK1350	822590	827860	6SE	COUNTRY PACK MANAGEMENT CENTER	SMALL STREAM	MODERATE FLOW	
HK1351	822820	827860	6SE	COUNTRY PARK MANAGEMENT CENTER	SMALL STREAM	MODERATE FLOW	CERAMICS
HK1352	822800	827910	6SE	COUNTRY PARK MANAGEMENT CENTRE	SMALL STREAM	MODERATE FLOW	CERAMICS
HK1353	822880	828350	6SE	COUNTRY PARK MANAGEMENT CENTRE	SMALL STREAM	MODERATE FLOW	CERAMICS
HK1354	822670	828940	6SE	COUNTRY PARK MANAGEMENT CENTER	SMALL STREAM	MODERATE FLOW	
HK1355	822670	828950	6SE	COUNTRY PARK MANAGEMENY CENTER	SMALL STREAM	LOW FLOW	
HK1356	822550	828680	6SE	COUNTRY PARK MANAGEMENT CENTER	SMALL STREAM	MODERATE FLOW	
HK1357	822750	828550	6SE	COUNTRY PARK MANAGEMENT CENTER	SMALL STREAM	MODERATE FLOW	CERAMICS
HK1358	822680	827450	6SE	COUNTRY PARK MENAGEMENT CENTER	SMALL STREAM	MODERATE FLOW	

Sample Name	East	North	Sheet	Locality	Drainage Type	Drainage Condition	Contamination
HK1359	822720	827470	6SE	COUNTRY PARK MANAGEMENT	SMALL STREAM	MODERATE FLOW	
HK1360	819520	827220	6SW	SO KWUN WAT	SMALL STREAM	MODERATE FLOW	CERAMICS
HK1361	819170	826950	6SW	KWUN WAT SAN TSUEN	DRAINS	MODERATE FLOW	CERAMICS
HK1362	818580	826790	6SW	KWUN WAT TSUEN	SMALL STREAM	MODERATE FLOW	METAL, CERAMICS
HK1363	817930	826720	6SW	KWUN WAT TSUEN	SMALL STREAM	MODERATE FLOW	CERAMICS
HK1364	817740	826690	6SW	KWUN WAT TSUEN	SMALL STREAM	MODERATE FLOW	METAL, CERAMICS
HK1365	817250	826650	6SW	CASTLE PEAK ROAD	SMALL STREAM	MODERATE FLOW	METAL, CERAMICS
HK1366	817100	826650	6SW	CAFETERIA BEACH	SMALL STREAM	MODERATE FLOW	METAL, CERAMICS
HK1367	816500	826880	6SW	CASTLE PEAK BENCH	SMALL STREAM	MODERATE FLOW	METAL, CERAMICS
HK1368	816410	827650	6SW	TUEN MUN	DRAINS	MODERATE FLOW	CERAMICS
HK1369	845540	828660	8SW	LONG MEI	SMALL STREAM	MODERATE FLOW	METAL, CERAMICS
HK1370	816330	828420	6SW	TUEN MUN	SMALL STREAM	MODERATE FLOW	CERAMICS
HK1371	820960	825760	6SW	LAM CHUNG TSUEN	SMALL STREAM	DRY	
HK1372	820980	825590	6SW	TAI LAM CHUNG TSUEN	SMALL STREAM	MODERATE FLOW	CERAMICS
HK1373	821800	826540	6SW	TAI LAM CHUNG TSUEN	SMALL STREAM	MODERATE FLOW	CERAMICS
HK1374	821990	826180	6SW	TAI LAM CHUNG TSUEN	SMALL STREAM	MODERATE FLOW	
HK1375	821990	826230	6SW	TAI LAM CHUNG TSUEN	SMALL STREAM	MODERATE FLOW	
HK1376	821820	826700	6SW	TAI LAN CHUNG TSUEN	SMALL STREAM	MODERATE FLOW	CERAMICS
HK1377	821700	826850	6SW	TAI LAM CHUNG TSUEN	SMALL STREAM	MODERATE FLOW	CERAMICS
HK1378	822210	827540	6SW	TAI LAM CHUNG RESERVOIR	SMALL STREAM	MODERATE FLOW	CERAMICS
HK1379	823050	826300	6SE	SHAM TSENG SETTLEMENT BASIN	SMALL STREAM	MODERATE FLOW	CERAMICS
HK1380	823140	825600	6SE	SHAM TSENG SETTLEMENT BASIN	DRAINS	MODERATE FLOW	CERAMICS
HK1381	818950	830520	6NW	NON NERY	SMALL STREAM	MODERATE FLOW	CERAMICS
HK1382	819090	829920	6SW	RESERVIOR	SMALL STREAM	MODERATE FLOW	CERAMICS
HK1383	819460	829200	6SW	RESERVOIR	SMALL STREAM	MODERATE FLOW	CERAMICS
HK1384	819720	828980	6SW	RESERVIOR	SMALL STREAM	MODERATE FLOW	CERAMICS
HK1385	819760	828820	6SW	RESERVIOR	SMALL STREAM	MODERATE FLOW	
HK1386	819920	828670	6SW	RESERVIOR	SMALL STREAM	MODERATE FLOW	CERAMICS
HK1387	819960	828510	6SW	RESERVIOR	SMALL STREAM	LOW FLOW	
HK1388	820270	827520	6SW	TAI LAM CHUNG RESERVOIR	SMALL STREAM	MODERATE FLOW	
HK1389	819970	827230	6SW	TAI LAM CHUNG RESERVOIR	SMALL STREAM	MODERATE FLOW	CERAMICS
HK1390	819340	826510	6SW	TAI LAM CHUNG RESERVIOR	SMALL STREAM	LOW FLOW	
HK1391	818990	826420	6SW	TAI LAM CHUNG RESERVOIR	SMALL STREAM	MODERATE FLOW	GLAZED CHINA
HK1392	819250	825950	6SW	TAI LAM CHUNG RESERVIOR	SMALL STREAM	MODERATE FLOW	

Sample Name	East	North	Sheet	Locality	Drainage Type	Drainage Condition	Contamination
HK1393	818670	826220	6SW	SO KWUN WAT TSUEN	SMALL STREAM	MODERATE FLOW	
HK1394	820930	824900	6SW	TAI LAM CHUNG TSUEN	SMALL STREAM	MODERATE FLOW	CERAMICS
HK1395	820830	825270	6SW	TAI LAM CHUNG TSUEN	SMALL STREAM	MODERATE FLOW	METAL, CERAMICS
HK1396	843920	826370	7SE	PAK KONG	DRAINS	MODERATE FLOW	METAL, CERAMICS
HK1397	843930	826710	7SE	PAK KONG	SMALL STREAM	MODERATE FLOW	METAL, CERAMICS
HK1398	844060	826980	7SE	UK CHEUNG	SMALL STREAM	MODERATE FLOW	
HK1399	844100	826980	7SE	UK CHEUNG	SMALL STREAM	MODERATE FLOW	
HK1400	844700	826820	7SE	PAK KONG	DRAINS	LOW FLOW	
HK1401	832030	827370	7SW	WO YIP HOP	DRAINS	MODERATE FLOW	CERAMICS
HK1402	845540	828660	8SW	LUNG MEI	SMALL STREAM	MODERATE FLOW	METAL, CERAMICS
HK1403	844870	829280	7SE	PYRAMID HILL (TAI KAM CHUNG)	SMALL STREAM	MODERATE FLOW	METAL
HK1404	844670	828140	7SE	PYRAMID HILL	SMALL STREAM	MODERATE FLOW	METAL, CERAMICS
HK1405	851290	834900	8NW	PAK SHA O HA YEUNG	SMALL STREAM	MODERATE FLOW	CERAMICS
HK1406	851260	834730	8NW	YOUTH HOSTEL ON HOI HA ROAD	SMALL STREAM	MODERATE FLOW	CERAMICS
HK1407	851460	833430	8NW	COUNTRY PARK MANAGEMENT CENTER	SMALL STREAM	LOW FLOW	CERAMICS
HK1408	851500	833280	8NW	HAU TONG KAI RIVER	SMALL STREAM	MODERATE FLOW	CERAMICS
HK1409	851540	832590	8NW	KO TONG	SMALL STREAM	MODERATE FLOW	
HK1410	852070	831030	8NW	PAK TAM AU	SMALL STREAM	MODERATE FLOW	METAL
HK1411	851930	830920	8NW	PAK TAM AU	SMALL STREAM	MODERATE FLOW	
HK1412	852000	830830	8NW	PAK TAM AU	SMALL STREAM	MODERATE FLOW	PLASTICS
HK1413	832070	827420	7SW	WO YI HOP	SMALL STREAM	MODERATE FLOW	METAL
HK1414	830070	835850	7NW	TAI TO YAN	SMALL STREAM	LOW FLOW	METAL
HK1415	830170	835840	7NW	TAI TO YAN	SMALL STREAM	LOW FLOW	
HK1416	830170	835930	7NW	TAI TO YAN	SMALL STREAM	MODERATE FLOW	
HK1417	830220	835780	7NW	TAI TO YAN	SMALL STREAM	MODERATE FLOW	
HK1418	830280	835830	7NW	TAI TO YAN	SMALL STREAM	MODERATE FLOW	
HK1419	828530	836170	2SE	FAN KAM ROAD	SMALL STREAM	DRY	CERAMICS
HK1420	828550	836230	2SE	FAN KAM ROAD	SMALL STREAM	DRY	
HK1421	830030	830930	7NW	ROUTE TWISK	SMALL STREAM	MODERATE FLOW	CERAMICS
HK1422	830390	831390	7NW	ROUTE TWISK	SMALL STREAM	MODERATE FLOW	
HK1423	830370	831330	7NW	ROUTE TWISK	SMALL STREAM	MODERATE FLOW	
HK1424	827480	830720	6NE	TSING TAM RESERVOIR	SMALL STREAM	MODERATE FLOW	
HK1425	827470	830680	6NE	TSING TAM RESERVOIR	SMALL STREAM	MODERATE FLOW	
HK1426	827140	830840	6NE	TSING TANG RESERVOIR	SMALL STREAM	MODERATE FLOW	METAL
HK1427	827110	830530	6NE	TSING TAM RESERVOIR	SMALL STREAM	MODERATE FLOW	METAL
HK1428	822065	829950	6SW	TAI LAM CHUNG RESERVOIR	SMALL STREAM	MODERATE FLOW	METAL
HK1429	822120	829920	6SW	TAI LAM CHUNG RESERVOIR	SMALL STREAM	MODERATE FLOW	METAL
HK1430	822300	828720	6SW	TAI LAM CHUNG RESERVOIR	SMALL STREAM	MODERATE FLOW	METAL

Sample Name	East	North	Sheet	Locality	Drainage Type	Drainage Condition	Contamination
HK1431	822360	828720	6SW	TAI LAM CHUNG RESERVOIR	SMALL STREAM	MODERATE FLOW	
HK1432	820590	827570	6SW	TAI LAM CHUNG RESERVOIR	SMALL STREAM	MODERATE FLOW	METAL
HK1433	820990	827850	6SW	TAI LAM CHUNG RESERVOIR	SMALL STREAM	MODERATE FLOW	METAL
HK1434	821470	827870	6SW	TAI LAM CHUNG RESERVOIR	SMALL STREAM	MODERATE FLOW	CERAMICS
HK1435	821780	828170	6SW	TAI LAM CHUNG RESERVOIR	SMALL STREAM	MODERATE FLOW	
HK1436	821650	828490	6SW	TAI LAM CHUNG RESERVOIR	SMALL STREAM	MODERATE FLOW	
HK1437	821620	828460	6SW	TAI LAM CHUNG RESERVOIR	SMALL STREAM	MODERATE FLOW	
HK1438	814550	834160	5NE	NGAU HOM SHA	SMALL STREAM	MODERATE FLOW	
HK1439	813840	833560	5NE	SHEUNG PAK NAI	SMALL STREAM	MODERATE FLOW	PLASTICS
HK1440	813680	832950	5NE	GRENAD E RANGE	SMALL STREAM	MODERATE FLOW	
HK1441	814290	833280	5NE	GRENAD E RANGE	SMALL STREAM	MODERATE FLOW	
HK1442	814260	833240	5NE	GRENAD E RANGE	SMALL STREAM	MODERATE FLOW	
HK1443	814500	833020	5NE	GRENAD E RANGE	SMALL STREAM	MODERATE FLOW	
HK1444	814450	832980	5NE	GRENAD E RANGE	SMALL STREAM	MODERATE FLOW	
HK1445	813850	833240	5NE	GRENAD E RANGE	SMALL STREAM	MODERATE FLOW	
HK1446	813820	833200	5NE	GRENAD E RANGE	SMALL STREAM	MODERATE FLOW	
HK1447	813090	832880	5NE	HA PAK NAI	SMALL STREAM	MODERATE FLOW	METAL
HK1448	813220	832800	5NE	HA PAK NAI	SMALL STREAM	MODERATE FLOW	METAL
HK1449	813530	832460	5NE	HA PAK NAI	SMALL STREAM	MODERATE FLOW	METAL
HK1450	813620	832230	5NE	HA PAK NAI	SMALL STREAM	MODERATE FLOW	METAL
HK1451	813670	832220	5NE	HA PAK NAI	SMALL STREAM	MODERATE FLOW	METAL
HK1452	814550	834160	5NE	NGAU HOM SHA	SMALL STREAM	MODERATE FLOW	
HK1453	813750	832160	5NE	HA PAK NAI	SMALL STREAM	MODERATE FLOW	
HK1454	813970	832150	5NE	HA PAK NAI	SMALL STREAM	MODERATE FLOW	
HK1455	814020	832200	5NE	HA PAK NAI	SMALL STREAM	MODERATE FLOW	
HK1456	813700	832120	5NE	HA PAK NAI	SMALL STREAM	MODERATE FLOW	CERAMICS
HK1457	813740	831930	5NE	HA PAK NAI	SMALL STREAM	MODERATE FLOW	
HK1458	813730	831800	5NE	HA PAK NAI	SMALL STREAM	MODERATE FLOW	
HK1459	813880	831550	5NE	HA PAK NAI	SMALL STREAM	MODERATE FLOW	
HK1460	813820	831550	5NE	HA PAK NAI	SMALL STREAM	MODERATE FLOW	
HK1461	813460	832470	5NE	HA PAK NAI	SMALL STREAM	MODERATE FLOW	
HK1462	812450	831320	5NE	TAI SHUI HANG	SMALL STREAM	MODERATE FLOW	METAL, PLASTICS
HK1463	812450	831100	5NE	TAI SHUI HANG	SMALL STREAM	MODERATE FLOW	
HK1464	812920	830910	5NE	TAI CHUI HANG	SMALL STREAM	MODERATE FLOW	
HK1465	812910	830880	5NE	CASTLE PEAK FIRING RANGE	SMALL STREAM	MODERATE FLOW	

Sample Name	East	North	Sheet	Locality	Drainage Type	Drainage Condition	Contamination
HK1466	812410	831080	5NE	CASTLE PEAK FIRING RANGE	SMALL STREAM	MODERATE FLOW	
HK1467	813040	830390	5NE	CASTLE PEAK FIRING RANGE	SMALL STREAM	MODERATE FLOW	
HK1468	813040	830430	5NE	CASTLE PEAK FIRING RANGE	SMALL STREAM	MODERATE FLOW	
HK1469	812750	831665	5NE	CASTLE PEAK FIRING RANGE	SMALL STREAM	MODERATE FLOW	PLASTICS
HK1470	812780	829850	5SE	WEST OF SHAN KAI WAT	SMALL STREAM	MODERATE FLOW	
HK1471	812800	829800	5SE	WEST OF SHAN KAI WAT	SMALL STREAM	MODERATE FLOW	
HK1472	812190	829830	5SE	WEST OF SHAN KAI WAT	SMALL STREAM	MODERATE FLOW	
HK1473	812140	829750	5SE	WEST OF SHAN KAI WAT	SMALL STREAM	MODERATE FLOW	
HK1474	812040	829900	5SE	SHAN KAI WAT	SMALL STREAM	MODERATE FLOW	
HK1475	811950	829850	5SE	SHAN KAI WAT	SMALL STREAM	MODERATE FLOW	
HK1476	811780	830650	5NE	TAI SHUI HANG	SMALL STREAM	MODERATE FLOW	METAL
HK1477	811850	830270	5NE	TAI SHUI HANG	SMALL STREAM	MODERATE FLOW	
HK1478	813580	829570	5SE	SHAN KAI WAT	SMALL STREAM	LOW FLOW	
HK1479	813610	829550	5SE	SHAN KAI WAT	SMALL STREAM	LOW FLOW	
HK1480	813580	829620	5SE	SHAN KAI WAT	SMALL STREAM	MODERATE FLOW	
HK1481	813600	829680	5SE	SHAN KAI WAT	SMALL STREAM	MODERATE FLOW	
HK1482	813590	829350	5SE	SHAN KAI WAT	SMALL STREAM	MODERATE FLOW	CERAMICS
HK1483	813622	829198	5SE	SHAN KAI WAT	SMALL STREAM	MODERATE FLOW	
HK1484	813682	829138	5SE	SHAN KAI WAT	SMALL STREAM	MODERATE FLOW	METAL
HK1485	812420	827720	5SE	CASTLE PEAK FIRING RANGE	SMALL STREAM	MODERATE FLOW	
HK1486	812370	827700	5SE	CASTLE PEAK FIRING RANGE	SMALL STREAM	MODERATE FLOW	
HK1487	812620	827770	5SE	CASTLE PEAK FIRING RANGE	SMALL STREAM	MODERATE FLOW	
HK1488	812340	827290	5SE	CASTLE PEAK FIRING RANGE	SMALL STREAM	MODERATE FLOW	
HK1489	812380	827190	5SE	CASTLE PEAK FIRING RANGE	SMALL STREAM	MODERATE FLOW	
HK1490	812280	827230	5SE	CASTLE PEAK FIRING RANGE	SMALL STREAM	MODERATE FLOW	
HK1491	812370	826980	5SE	CASTLE PEAK FIRING RANGE	SMALL STREAM	MODERATE FLOW	
HK1492	812400	826850	5SE	CASTLE PEAK FIRING RANGE	SMALL STREAM	MODERATE FLOW	
HK1493	812420	826930	5SE	CASTLE PEAK FIRING RANGE	SMALL STREAM	MODERATE FLOW	
HK1494	812370	826750	5SE	CASTLE PEAK FIRING RANGE	SMALL STREAM	LOW FLOW	METAL
HK1495	813770	829750	5SE	SHAN KAI WAT	SMALL STREAM	LOW FLOW	METAL
HK1496	813990	828480	5SE	YEUNG SIU HANG	SMALL STREAM	MODERATE FLOW	METAL

Sample Name	East	North	Sheet	Locality	Drainage Type	Drainage Condition	Contamination
HK1497	814140	828300	5SE	YEUNG SIU HANG	SMALL STREAM	MODERATE FLOW	METAL
HK1498	814010	827670	5SE	CASTLE PEAK - TSING SHAN	SMALL STREAM	MODERATE FLOW	CERAMICS
HK1499	813550	826460	5SE	PAK KOK	SMALL STREAM	MODERATE FLOW	METAL
HK1500	813530	826700	5SE	PAK KOK	SMALL STREAM	MODERATE FLOW	METAL
HK1501	813382	826150	5SE	PAK KOK	SMALL STREAM	MODERATE FLOW	METAL
HK1502	813740	827200	5SE	SAN SHEK WAN SAN TSUEN	SMALL STREAM	MODERATE FLOW	CERAMICS
HK1503	810100	829520	5SE	NEW LUNG KWU TAN HIGHWAY	SMALL STREAM	MODERATE FLOW	
HK1504	810120	829550	5SE	NEW LUNG KWU TAN HIGHWAY	SMALL STREAM	MODERATE FLOW	
HK1505	809700	829510	5SE	NEW LUNG KWU TAN HIGHWAY	SMALL STREAM	MODERATE FLOW	CERAMICS
HK1506	809800	830430	5NE	TSANG TSUI	SMALL STREAM	MODERATE FLOW	CERAMICS
HK1507	809720	830400	5NE	NEW LUNG KWU TAN HIGHWAY	SMALL STREAM	MODERATE FLOW	CERAMICS
HK1508	808750	830020	5NE	BLACK POINT POWER STATION	SMALL STREAM	LOW FLOW	CERAMICS
HK1509	810040	830800	5NE	TSANG TSUI	SMALL STREAM	LOW FLOW	CERAMICS
HK1510	810010	830820	5NE	TSANG TSUI	SMALL STREAM	MODERATE FLOW	PLASTICS
HK1511	809950	830880	5NE	TSANG TSUI	SMALL STREAM	MODERATE FLOW	PLASTICS
HK1512	809940	830970	5NE	DEEP BAY	SMALL STREAM	MODERATE FLOW	
HK1513	840370	845530	3NE	SHEUNG TAM SHUI HANG	SMALL STREAM	MODERATE FLOW	
HK1514	840060	845430	3NE	HA TAM SHUI HANG VILLAGE	SMALL STREAM	MODERATE FLOW	
HK1515	839940	845350	3NE	HA TAM SHUI HANG VILLAGE	SMALL STREAM	MODERATE FLOW	
HK1516	837740	845840	3NE	LIN MA HANG BORDER ROAD	SMALL STREAM	MODERATE FLOW	CERAMICS
HK1517	838340	845870	3NE	LIN MA HANG ROAD	SMALL STREAM	MODERATE FLOW	PLASTICS
HK1518	838400	845690	3NE	LIN MA HANG ROAD	SMALL STREAM	MODERATE FLOW	
HK1519	838420	845710	3NE	LIN MA HANG ROAD	SMALL STREAM	MODERATE FLOW	
HK1520	838460	845640	3NE	LIN MA HANG ROAD	SMALL STREAM	MODERATE FLOW	
HK1521	838500	845690	3NE	LIN MA HANG ROAD	SMALL STREAM	MODERATE FLOW	
HK1522	839300	846190	3NE	LIN MA HANG ROAD	SMALL STREAM	LOW FLOW	
HK1523	837080	844980	3NW	TONG TO SHAN TSUEN	SMALL STREAM	LOW FLOW	
HK1524	837000	844910	3NW	TONG TO SHAN TSUEN	SMALL STREAM	LOW FLOW	
HK1525	836890	844820	3NW	TONG TO SHAN TSUEN	SMALL STREAM	LOW FLOW	
HK1526	836690	844940	3NW	TONG TO SHAN TSUEN	SMALL STREAM	LOW FLOW	
HK1527	809940	830970	5NE	DEEP BAY	SMALL STREAM	MODERATE FLOW	
HK1528	836520	845140	3NW	TONG TO SHAN TSUEN	SMALL STREAM	LOW FLOW	
HK1529	836580	845250	3NW	TONG TO SHAN TSUEN	SMALL STREAM	LOW FLOW	

Sample Name	East	North	Sheet	Locality	Drainage Type	Drainage Condition	Contamination
HK1530	837160	845330	3NW	LIN MA HANG	SMALL STREAM	MODERATE FLOW	
HK1531	836320	845870	3NW	LIN MA HANG	SMALL STREAM	LOW FLOW	
HK1532	836890	845820	3NW	LIN MA HANG ROAD	SMALL STREAM	DRY	METAL
HK1533	835700	846260	3NW	LIN MA HANG ROAD	SMALL STREAM	LOW FLOW	CERAMICS
HK1534	835450	845860	3NW	HEUNG YUEN WAI	SMALL STREAM	LOW FLOW	
HK1535	833120	844360	3NW	FUNG WING WU	SMALL STREAM	MODERATE FLOW	
HK1536	833130	844240	3NW	FUNG WONG WU	SMALL STREAM	MODERATE FLOW	
HK1537	831790	843990	3NW	SAN UK LING	SMALL STREAM	MODERATE FLOW	METAL, GLAZED CHINA, GLASS
HK1538	835260	845530	3NW	HEUNG YUEN WAI	SMALL STREAM	LOW FLOW	
HK1539	831200	843630	3NW	MAN KAM TO ROAD	DRAINS	MODERATE FLOW	METAL, CERAMICS, GLASS
HK1540	828840	842980	2NE	LIU POK	SMALL STREAM	MODERATE FLOW	METAL, CERAMICS, PLASTICS
HK1541	839890	845200	3NE	HA TAM SHUI HANG	SMALL STREAM	MODERATE FLOW	
HK1542	839690	845020	3NE	SAN TSUEN	SMALL STREAM	MODERATE FLOW	
HK1543	839880	844640	3NE	TONG TO	SMALL STREAM	MODERATE FLOW	CERAMICS
HK1544	839270	844350	3NE	LAP WO TSUEN	SMALL STREAM	MODERATE FLOW	PLASTICS
HK1545	839290	842400	3NE	NAM CHONG CHENG UK	SMALL STREAM	MODERATE FLOW	
HK1546	839200	842140	3NE	NAM CHUNG LO UK	SMALL STREAM	MODERATE FLOW	METAL, CERAMICS
HK1547	838610	841800	3SE	NAM CHUNG LO UK	SMALL STREAM	MODERATE FLOW	PLASTICS
HK1548	838560	841820	3SE	NAM CHUNG LO UK	SMALL STREAM	MODERATE FLOW	
HK1549	838450	841680	3SE	NAM CHUNG LO UK	SMALL STREAM	MODERATE FLOW	
HK1550	838720	843830	3NE	MA TSEUK LENG	SMALL STREAM	MODERATE FLOW	CERAMICS, PLASTICS
HK1551	838600	843440	3NE	WO HANG TAI LONG	SMALL STREAM	MODERATE FLOW	CERAMICS, GLASS
HK1552	838500	842900	3NE	HA WO HANG	SMALL STREAM	MODERATE FLOW	METAL
HK1553	839360	839860	3SE	WONG LENG PEAK	STREAM	MODERATE FLOW	
HK1554	839780	839930	3SE	HA TSAT MUK KIU	STREAM	MODERATE FLOW	
HK1555	839740	839950	3SE	HA TSAT MUK KIU	STREAM	MODERATE FLOW	
HK1556	840130	840500	3SE	HA TSAT MUK KIU	STREAM	MODERATE FLOW	
HK1557	840060	840500	3SE	HA TSAT MUK KIU	STREAM	MODERATE FLOW	
HK1558	840090	841040	3SE	HA TSAT MUK KIU	STREAM	MODERATE FLOW	
HK1559	840010	840960	3SE	HA TSAT MUK KIU	STREAM	MODERATE FLOW	
HK1560	839040	840250	3SE	MA TSAT MUK KIU	SMALL STREAM	MODERATE FLOW	
HK1561	838980	840270	3SE	HA TSAT MUK KIU	SMALL STREAM	MODERATE FLOW	
HK1562	839110	841170	3SE	LO LUNG TIN	STREAM	STRONG FLOW	
HK1563	839150	841140	3SE	LO LUNG TIN	STREAM	STRONG FLOW	
HK1564	838810	840380	3SE	LO LUNG TIN	STREAM	STRONG FLOW	
HK1565	838440	840350	3SE	LO LUNG TIN	STREAM	STRONG FLOW	
HK1566	838390	840350	3SE	LO LONG TIN	STREAM	STRONG FLOW	
HK1567	841840	841920	3SE	LKU KENG ROAD	SMALL STREAM	MODERATE FLOW	PLASTICS
HK1568	840790	841850	3SE	LUK KENG ROAD	STREAM	MODERATE FLOW	
HK1569	840740	841820	3SE	LUK KENG	SMALL STREAM	MODERATE FLOW	
HK1570	840510	841560	3SE	LUK KENG	STREAM	MODERATE FLOW	
HK1571	838020	842310	3NE	SHEUNG WO HANG	STREAM	STRONG FLOW	
HK1572	839200	842140	3NE	NAM CHUNG LO UK	SMALL STREAM	MODERATE FLOW	METAL, CERAMICS
HK1573	837840	841870	3SE	UPSTR OF WEIR	SMALL STREAM	MODERATE FLOW	

Sample Name	East	North	Sheet	Locality	Drainage Type	Drainage Condition	Contamination
HK1574	836360	843720	3NW	KENG SHAN PEAK	SMALL STREAM	DRY	
HK1575	836360	843720	3NW	WO KENG SHAN PEAK	SMALL STREAM	DRY	
HK1576	837580	844430	3NE	HUNG FA LENG PEAK	SMALL STREAM	DRY	
HK1577	836940	844020	3NW	WO KENG SHAN	SMALL STREAM	DRY	
HK1578	836820	844350	3NW	TONG TO SHAN TSUEN	SMALL STREAM	DRY	
HK1579	835590	843880	3NW	WO KENG SHAN	SMALL STREAM	DRY	CERAMICS
HK1580	836150	843230	3NW	DOG HILL	SMALL STREAM	PONDED	CERAMICS
HK1581	837080	842230	3NW	LOI TUNG	SMALL STREAM	LOW FLOW	METAL
HK1582	833970	843140	3NW	TAI PO TIN	STREAM	MODERATE FLOW	METAL, CERAMICS, GLASS, PLASTICS, RUBBER, EFFLUENT, METAL MINE TAILINGS
HK1583	833740	843310	3NW	TAI PO TIN	SMALL STREAM	MODERATE FLOW	METAL
HK1584	833065	843460	3NW	LEI UK	SMALL STREAM	MODERATE FLOW	METAL, GLASS, PLASTICS
HK1585	832775	843310	3NW	LEI UK	SMALL STREAM	MODERATE FLOW	METAL
HK1586	834690	844250	3NW	NGA YIU HA	STREAM	MODERATE FLOW	METAL, CERAMICS, GLASS, PLASTICS
HK1587	835210	844210	3NW	KENG SHAN	SMALL STREAM	MODERATE FLOW	
HK1588	834075	842150	3NW	HA SHAN KAI WAT	SMALL STREAM	DRY	PLASTICS
HK1589	833800	842050	3NW	HA SHAN KAI WAT	SMALL STREAM	LOW FLOW	METAL
HK1590	833250	842210	3NW	SHEUNG SHAN KAI WAT	SMALL STREAM	MODERATE FLOW	CERAMICS
HK1591	836980	841910	3SW	LENG PEI TSUEN	SMALL STREAM	MODERATE FLOW	METAL
HK1592	834810	841675	3SW	WANG LENG	STREAM	MODERATE FLOW	METAL, CERAMICS, PLASTICS
HK1593	834920	841740	3SW	WANG LENG	STREAM	STRONG FLOW	METAL, CERAMICS, GLASS, PLASTICS
HK1594	833300	840940	3SW	SIU HANG SAN TSUEN	STREAM	MODERATE FLOW	METAL, GLASS, PLASTICS
HK1595	833040	841400	3SW	SIU HANG TSUEN	SMALL STREAM	MODERATE FLOW	
HK1596	832940	840830	3SW	SAN WAI	STREAM	MODERATE FLOW	GLASS, PLASTICS
HK1597	833200	840750	3SW	SAN WAI	STREAM	MODERATE FLOW	
HK1598	831110	841820	3SW	MAN KAM TO ROAD	SMALL RIVER	STRONG FLOW	METAL
HK1599	830430	837830	3SW	TAI LUNG	SMALL STREAM	MODERATE FLOW	CERAMICS
HK1600	830720	838520	3SW	TAI LUNG	SMALL STREAM	MODERATE FLOW	METAL, CERAMICS
HK1601	830750	838170	3SW	TAI LUNG	SMALL STREAM	MODERATE FLOW	CERAMICS
HK1602	830830	837940	3SW	TAI LUNG	SMALL STREAM	MODERATE FLOW	CERAMICS
HK1603	830860	837840	3SW	TAI LUNG	SMALL STREAM	MODERATE FLOW	METAL
HK1604	828790	827950	6SE	CHUEN LUNG	STREAM	MODERATE FLOW	CERAMICS, GLASS, PLASTICS
HK1605	828750	827980	6SE	CHUEN LUNG	STREAM	MODERATE FLOW	METAL, PLASTICS
HK1606	829630	827340	6SE	KWONG PAN TIN SAN TSUEN	STREAM	STRONG FLOW	METAL, GLASS, PLASTICS
HK1607	828520	828380	6SE	CHUEN LUNG	SMALL STREAM	MODERATE FLOW	CERAMICS
HK1608	829600	828490	6SE	CHUEN LUNG	STREAM	MODERATE FLOW	METAL
HK1609	829590	828280	6SE	CHUEN LUNG	SMALL STREAM	MODERATE FLOW	METAL, CERAMICS
HK1610	829030	829240	6SE	CHUEN LUNG	STREAM	MODERATE FLOW	METAL, CERAMICS
HK1611	829490	828960	6SE	CHUEN LUNG	STREAM	STRONG FLOW	METAL
HK1612	829450	828950	6SE	CHUEN LUNG	STREAM	MODERATE FLOW	METAL
HK1613	829760	829700	6SE	FORESTRY POST	SMALL STREAM	DRY	CERAMICS
HK1614	844770	828760	7SE	PYRAMID HILL	STREAM	LOW FLOW	CERAMICS

Sample Name	East	North	Sheet	Locality	Drainage Type	Drainage Condition	Contamination
HK1615	844760	828600	7SE	PYRAMID HILL	STREAM	MODERATE FLOW	CERAMICS
HK1616	844910	827470	7SE	TAI SHUI TSENG	SMALL STREAM	LOW FLOW	METAL, PLASTICS
HK1617	843760	825900	7SE	KEI PIK SHAN	STREAM	STRONG FLOW	
HK1618	843740	825860	7SE	KEI PIK SHAN	SMALL STREAM	MODERATE FLOW	
HK1619	843830	825200	7SE	SAM FAI TIN	SMALL STREAM	MODERATE FLOW	METAL, PLASTICS
HK1620	843720	825050	7SE	HING KENG SHEK	SMALL STREAM	LOW FLOW	METAL, CERAMICS
HK1621	843640	824460	7SE	LUK MEI TSUEN	SMALL STREAM	MODERATE FLOW	CERAMICS
HK1622	843585	824370	7SE	LUK MEI TSUEN	SMALL STREAM	MODERATE FLOW	CERAMICS
HK1623	847870	828290	8SW	TSO WO HANG	SMALL STREAM	MODERATE FLOW	METAL, CERAMICS
HK1624	841990	824720	7SE	TAI NO	STREAM	MODERATE FLOW	
HK1625	841775	824950	7SE	TAI NO	STREAM	MODERATE FLOW	
HK1626	841785	824990	7SE	TAI NO	SMALL STREAM	MODERATE FLOW	
HK1627	841800	825140	7SE	TAI NO	STREAM	MODERATE FLOW	
HK1628	841890	825000	7SE	TAI NO	STREAM	MODERATE FLOW	
HK1629	842220	825290	7SE	TAI NO	STREAM	MODERATE FLOW	
HK1630	842690	824590	7SE	WANG CHE	STREAM	MODERATE FLOW	METAL, CERAMICS
HK1631	842380	823140	11NE	NGAU PUI WO	STREAM	STRONG FLOW	
HK1632	842100	823040	11NE	TAI LAM WU	STREAM	STRONG FLOW	
HK1633	842040	823000	11NE	TAI LAM WU	STREAM	MODERATE FLOW	
HK1634	842025	823035	11NE	TAI LAM WU	STREAM	MODERATE FLOW	
HK1635	842000	823570	11NE	TAI LAM WU	STREAM	STRONG FLOW	
HK1636	839465	823550	11NE	NAM SHAN MEI	STREAM	STRONG FLOW	METAL
HK1637	838460	823790	11NE	TSZ WAN SHAN	SMALL STREAM	MODERATE FLOW	METAL, CERAMICS, PLASTICS
HK1638	839870	823250	11NE	NAM SHAN MEI	STREAM	MODERATE FLOW	CERAMICS
HK1639	840070	823400	11NE	NAM SHAN MEI	SMALL STREAM	MODERATE FLOW	CERAMICS
HK1640	837800	823720	11NE	SHATIN PASS ESTATE	STREAM	DRY	CERAMICS
HK1641	840230	823300	11NE	NAM SHAN	STREAM	DRY	
HK1642	839930	822620	11NE	KING NGAI COURT	STREAM	DRY	
HK1643	839900	822510	11NE	KING NGAI COURT	SMALL STREAM	MODERATE FLOW	
HK1644	840620	821970	11NE	GOOD SHEPARD CONVERT	SMALL STREAM	DRY	
HK1645	843820	823180	11NE	HEBE HILL	STREAM	MODERATE FLOW	CERAMICS, GLASS
HK1646	843750	823250	11NE	HEBE HILL	STREAM	MODERATE FLOW	METAL
HK1647	844990	822260	11NE	PIK SHUI SUN TSUEN	STREAM	MODERATE FLOW	METAL, CERAMICS, PLASTICS
HK1648	844750	821170	11NE	YAU YUE WAN RESITE VILLAGE	STREAM	MODERATE FLOW	
HK1649	844020	841300	11NE	RISE PARK VILLAS	STREAM	MODERATE FLOW	METAL
HK1650	823260	821480	11NE	AU TAU	STREAM	STRONG FLOW	CERAMICS
HK1651	843540	818290	11NE	BLACK HILL	SMALL STREAM	MODERATE FLOW	CERAMICS
HK1652	843735	818925	11NE	BLACK HILL	STREAM	MODERATE FLOW	METAL
HK1653	842885	820250	11NE	TAI SHEUNG TOK	SMALL STREAM	LOW FLOW	CERAMICS
HK1654	843120	821600	11NE	PIK UK PRISON	STREAM	STRONG FLOW	METAL, CERAMICS
HK1655	842550	821490	11NE	TAN SHAN	STREAM	MODERATE FLOW	METAL, CERAMICS
HK1656	842260	822010	11NE	TSENG LAN SHUE	SMALL STREAM	MODERATE FLOW	BULK INDUSTRIAL WASTE
HK1657	841820	822370	11NE	WONG KENG TSAI	SMALL STREAM	DRY	

Sample Name	East	North	Sheet	Locality	Drainage Type	Drainage Condition	Contamination
HK1658	809770	828970	5SE	LUNG KWU SEUNG TAN	SMALL STREAM	LOW FLOW	
HK1659	809790	828465	5SE	PAK LONG	SMALL STREAM	LOW FLOW	CERAMICS
HK1660	809940	828260	5SE	PAK LONG	SMALL STREAM	DRY	
HK1661	810410	828120	5SE	PAK LONG	SMALL STREAM	MODERATE FLOW	METAL
HK1662	810390	828130	5SE	PAK LONG	SMALL STREAM	LOW FLOW	METAL
HK1663	810210	828110	5SE	PAK LONG	SMALL STREAM	MODERATE FLOW	METAL, CERAMICS
HK1664	810330	827710	5SE	TUK MEI CHUNG	SMALL STREAM	MODERATE FLOW	
HK1665	810360	827530	5SE	TUK MEI CHUNG	SMALL STREAM	LOW FLOW	
HK1666	810160	827320	5SE	LUNG TSAI	STREAM	MODERATE FLOW	
HK1667	810130	827250	5SE	LUNG TSAI	SMALL STREAM	LOW FLOW	
HK1668	810180	827100	5SE	LUNG TSAI	STREAM	MODERATE FLOW	
HK1669	810220	826990	5SE	LUNG TSAI	STREAM	MODERATE FLOW	
HK1670	814130	830045	5NE	FIRING RANGE MARKER NO. 6	SMALL STREAM	LOW FLOW	
HK1671	814335	830250	5NE	FIRING RANGE MARKER NO. 6	SMALL STREAM	DRY	
HK1672	814450	830560	5NE	FIRING MARKER NO. 6	STREAM	MODERATE FLOW	METAL
HK1673	814840	831230	5NE	QUARRY	SMALL STREAM	LOW FLOW	
HK1674	814660	831630	5NE	QUARRY	STREAM	LOW FLOW	
HK1675	814720	831560	5NE	QUARRY	SMALL STREAM	LOW FLOW	
HK1676	814840	831850	5NE	QUARRY	SMALL STREAM	MODERATE FLOW	METAL
HK1677	815050	831500	6NW	CHUNG SHAN	SMALL STREAM	MODERATE FLOW	METAL
HK1678	815180	831670	6NW	CHUNG SAN	STREAM	PONDED	
HK1679	815350	831300	6NW	CHUNG SHAN	STREAM	LOW FLOW	
HK1680	815925	833560	6NW	SAN SANG SAN TSUEN	SMALL STREAM	MODERATE FLOW	METAL
HK1681	815925	833610	6NW	SAN SANG SAN TSUEN	SMALL STREAM	MODERATE FLOW	METAL
HK1682	815925	833515	6NW	SAN SANG SAN TSUEN	STREAM	MODERATE FLOW	METAL
HK1683	815010	833000	6NW	YUEN TAU SHAN	SMALL STREAM	MODERATE FLOW	METAL
HK1684	815080	833560	6NW	YUEN TAU SHAN	STREAM	MODERATE FLOW	METAL
HK1685	815230	834750	6NW	NGAU HOM SHEK	SMALL STREAM	LOW FLOW	
HK1686	815300	834280	6NW	NGAU HOM SHEK	SMALL STREAM	LOW FLOW	METAL
HK1687	815880	834070	6NW	MONASTERY	DRAINS	MODERATE FLOW	CERAMICS
HK1688	815760	835300	6NW	DEEP BAY ROAD	SMALL STREAM	LOW FLOW	METAL, CERAMICS
HK1689	815960	835300	6NW	DEEP BAY ROAD	SMALL STREAM	LOW FLOW	METAL, CERAMICS, GLASS, PLASTICS, RUBBER, FRAM EFFLUENT, AGRO-CHEMICALS
HK1690	817890	830730	6NW	AGRICULTURAL STATION	STREAM	MODERATE FLOW	CERAMICS
HK1691	817980	831470	6NW	SERVICE RESERVOIR	SMALL STREAM	MODERATE FLOW	CERAMICS
HK1692	818200	830300	6NW	AGRICULTURAL STATION	STREAM	MODERATE FLOW	
HK1693	818200	830350	6NW	AGRICULTURAL STATION	STREAM	STRONG FLOW	
HK1694	817740	830190	6NW	AGRICULTURAL STATION	STREAM	MODERATE FLOW	METAL
HK1695	811160	826990	5SE	FIRING RANGE MARKER NO. 15	STREAM	MODERATE FLOW	
HK1696	811100	826990	5SE	FIRING RANGE MARKER NO. 15	STREAM	MODERATE FLOW	

Sample Name	East	North	Sheet	Locality	Drainage Type	Drainage Condition	Contamination
HK1697	810950	826690	5SE	FIRING RANGE MARKER NO. 15	STREAM	MODERATE FLOW	
HK1698	810920	826260	5SE	FIRING RANGE MARKER NO. 15	STREAM	MODERATE FLOW	
HK1699	810780	826240	5SE	FIRING RANGE MARKER NO. 15	STREAM	MODERATE FLOW	CERAMICS
HK1700	811260	826290	5SE	FIRING RANGE MARKER NO. 14	STREAM	MODERATE FLOW	
HK1701	811590	826500	5SE	FIRING RANGE MARKER NO. 13	STREAM	MODERATE FLOW	
HK1702	823850	826200	6SE	SHAM TSENG SETTLEMENT BASIC	STREAM	MODERATE FLOW	
HK1703	823620	825960	6SE	SHAM TSENG SAN TSUEN	SMALL STREAM	LOW FLOW	
HK1704	823445	826780	6SE	TSING FAI TONG	SMALL STREAM	MODERATE FLOW	
HK1705	824300	826980	6SE	TSING FAI TONG	SMALL STREAM	LOW FLOW	
HK1706	817740	830190	6NW	AGRICULTURAL STATION	STREAM	MODERATE FLOW	METAL
HK1707	826310	828315	6SE	LIN FA SHAN	STREAM	MODERATE FLOW	
HK1708	826590	828585	6SE	LIN FA SHAN	STREAM	MODERATE FLOW	
HK1709	826600	828550	6SE	LIN FA SHAN	STREAM	MODERATE FLOW	
HK1710	826550	828400	6SE	LIN FA SHAN	SMALL STREAM	LOW FLOW	
HK1711	826460	828250	6SE	LIN FA SHAN	SMALL STREAM	MODERATE FLOW	
HK1712	826300	828150	6SE	LIN FA SHAN	SMALL STREAM	MODERATE FLOW	
HK1713	826390	828030	6SE	LIN FA SHAN	SMALL STREAM	MODERATE FLOW	
HK1714	826330	828025	6SE	LIN FA SHAN	SMALL STREAM	MODERATE FLOW	
HK1715	826340	827860	6SE	LIN FA SHAN	SMALL STREAM	LOW FLOW	
HK1716	826320	826770	6SE	SHEK LUNG KUNG	SMALL STREAM	MODERATE FLOW	
HK1717	826250	826800	6SE	SHEK LUNG KUNG	SMALL STREAM	MODERATE FLOW	
HK1718	825770	827900	6SE	SHEUNG TONG	STREAM	MODERATE FLOW	
HK1719	825990	827830	6SE	SHEUNG TONG	SMALL STREAM	MODERATE FLOW	
HK1720	825565	827775	6SE	SHEUNG	TONG	MODERATE FLOW	CERAMICS
HK1721	848465	814830	12SW	TAI MIU AU	DRAINS	LOW FLOW	METAL, CERAMICS
HK1722	847500	816570	12SW	HIGH JUNK PEAK	SMALL STREAM	MODERATE FLOW	
HK1723	848350	817870	12SW	LUNG HA WAN ROAD	STREAM	MODERATE FLOW	CERAMICS
HK1724	848730	818240	12NW	LUNG HA WAN ROAD	SMALL STREAM	DRY	
HK1725	847820	818550	12NW	SHEUNG YEUNG	SMALL STREAM	MODERATE FLOW	
HK1726	846510	817720	12SW	HIGH JUNK PEAK	SMALL STREAM	MODERATE FLOW	
HK1727	846550	817640	12SW	HIGH JUNK PEAK	SMALL STREAM	MODERATE FLOW	
HK1728	821060	829375	6SW	TAI TONG TSUEN	STREAM	MODERATE FLOW	CERAMICS
HK1729	820950	829350	6SW	TAI TONG TSUEN	STREAM	STRONG FLOW	CERAMICS
HK1730	820750	829140	6SW	TAI TONG TSUEN	STREAM	MODERATE FLOW	CERAMICS
HK1731	820705	829050	6SW	TAI TONG TSUEN	STREAM	MODERATE FLOW	
HK1732	820940	828800	6SW	TAI TONG TSUEN	SMALL STREAM	MODERATE FLOW	
HK1733	820880	828800	6SW	TAI TONG TSUEN	SMALL STREAM	MODERATE FLOW	
HK1734	821000	829465	6SW	TAI TONG TSUEN	SMALL STREAM	MODERATE FLOW	

Sample Name	East	North	Sheet	Locality	Drainage Type	Drainage Condition	Contamination
HK1735	820780	829650	6SW	TAI TONG TSUEN	SMALL STREAM	LOW FLOW	METAL
HK1736	820525	829660	6SW	TAI TONG TSUEN	SMALL STREAM	MODERATE FLOW	CERAMICS
HK1737	819880	830100	6NW	TAI TONG TSUEN	STREAM	MODERATE FLOW	CERAMICS
HK1738	819615	830360	6NW	TAI TONG TSUEN	STREAM	MODERATE FLOW	METAL, CERAMICS
HK1739	819200	830690	6NW	TAI TONG TSUEN	SMALL STREAM	MODERATE FLOW	METAL, CERAMICS
HK1740	819230	830720	6NW	TAI TONG TSUEN	SMALL STREAM	MODERATE FLOW	METAL
HK1741	825930	829265	6SE	HO PUI RESERVOIR	SMALL STREAM	LOW FLOW	
HK1742	825900	829220	6SE	HO PUI RESERVOIR	SMALL STREAM	LOW FLOW	
HK1743	826335	829260	6SE	HO PUI RESERVOIR	SMALL STREAM	MODERATE FLOW	
HK1744	827350	829880	6SE	ROUTE TWISK	STREAM	MODERATE FLOW	
HK1745	827825	829840	6SE	ROUTE TWISK	STREAM	MODERATE FLOW	
HK1746	826355	829710	6SE	HO PUI RESERVOIR	STREAM	MODERATE FLOW	
HK1747	826335	829670	6SE	HO PUI RESERVOIR	STREAM	MODERATE FLOW	
HK1748	826150	829720	6SE	HO PUI RESERVOIR	STREAM	MODERATE FLOW	
HK1749	823675	829880	6SE	HO PUI RESERVOIR	STREAM	LOW FLOW	CERAMICS
HK1750	824070	831100	6NE	MA ON KONG	SMALL STREAM	MODERATE FLOW	CERAMICS
HK1751	824270	830510	6NE	MA ON KONG	SMALL STREAM	MODERATE FLOW	CERAMICS
HK1752	824200	830440	6NE	MA ON KONG	SMALL STREAM	MODERATE FLOW	CERAMICS
HK1753	823520	831880	6NE	SHUNG SHAN SAN TSUEN	SMALL STREAM	MODERATE FLOW	METAL
HK1754	823020	831670	6NE	SHUNG SHAN SAN TSUEN	STREAM	MODERATE FLOW	METAL, GLASS
HK1755	823000	831100	6NE	SHUNG SHAN SAN TSUEN	SMALL STREAM	MODERATE FLOW	METAL, PLASTICS
HK1756	825150	833060	6NE	KAM SHEUNG ROAD	STREAM	MODERATE FLOW	METAL, CERAMICS, GLASS, PLASTICS, EFFLUENT, BULK INDUSTRIAL WASTE
HK1757	824860	830790	6NE	MA ON KONG	SMALL STREAM	LOW FLOW	CERAMICS
HK1758	825110	831320	6NE	TAI KEK	STREAM	MODERATE FLOW	BULK INDUSTRIAL WASTE
HK1759	826020	834640	6NE	TAI KONG PO	STREAM	MODERATE FLOW	CERAMICS, BULK INDUSTRIAL WASTE
HK1760	826390	835230	6NE	TSAT SING KONG	STREAM	MODERATE FLOW	
HK1761	826350	835220	6NE	TSAT SING KONG	STREAM	MODERATE FLOW	
HK1762	830340	826650	7SW	FU YUNG SHAN	SMALL STREAM	MODERATE FLOW	METAL
HK1763	830740	827280	7SW	SAN TSUEN	STREAM	MODERATE FLOW	METAL, CERAMICS
HK1764	830560	827390	7SW	LO WAI	SMALL STREAM	MODERATE FLOW	METAL, BULK INDUSTRIAL WASTE
HK1765	830650	827450	7SW	LO WAI	STREAM	MODERATE FLOW	METAL
HK1766	830890	827090	7SW	LO WAI	SMALL STREAM	LOW FLOW	CERAMICS, FRAM EFFLUENT
HK1767	830350	829820	7SW	TAI MO SHAN ROAD	SMALL STREAM	MODERATE FLOW	
HK1768	830300	829610	7SW	TAI MO SHAN ROAD	SMALL STREAM	LOW FLOW	
HK1769	831660	827240	7SW	WO YI HOP	SMALL STREAM	MODERATE FLOW	
HK1770	831930	827250	7SW	WO YI HOP	DRAINS	MODERATE FLOW	CERAMICS
HK1771	831930	827390	7SW	WO YI HOP	STREAM	MODERATE FLOW	METAL
HK1772	832125	827880	7SW	WO YI HOP	STREAM	MODERATE FLOW	
HK1773	832220	827980	7SW	WO YI HOP	STREAM	MODERATE FLOW	
HK1774	812730	828950	5SE	TSING SHAN	STREAM	MODERATE FLOW	
HK1775	812720	828925	5SE	TSING SHAN	STREAM	MODERATE FLOW	
HK1776	812235	829330	5SE	TSING SHAN	STREAM	MODERATE FLOW	

Sample Name	East	North	Sheet	Locality	Drainage Type	Drainage Condition	Contamination
HK1777	812195	829300	5SE	TSING SHAN	STREAM	MODERATE FLOW	BULK INDUSTRIAL WASTE
HK1778	812065	829150	5SE	TSING SHAN	SMALL STREAM	MODERATE FLOW	
HK1779	812160	829060	5SE	TSING SHAN	STREAM	MODERATE FLOW	
HK1780	812290	828820	5SE	TSING SHAN	SMALL STREAM	MODERATE FLOW	
HK1781	812290	828830	5SE	TSING SHAN	SMALL STREAM	MODERATE FLOW	
HK1782	812600	828740	5SE	TSING SHAN	SMALL STREAM	MODERATE FLOW	
HK1783	812540	828730	5SE	TSING SHAN	SMALL STREAM	MODERATE FLOW	
HK1784	851660	835770	8NW	HOI HA	SMALL STREAM	LOW FLOW	
HK1785	812065	829150	5SE	TSING SHAN	SMALL STREAM	MODERATE FLOW	
HK1786	824920	831390	6NE	TIN SAM TSUEN	SMALL STREAM	MODERATE FLOW	
HK1787	830520	828580	7SW	HEUNG SHEK CEMETERY	SMALL STREAM	MODERATE FLOW	
HK1788	830620	828650	7SW	HEUNG SHEK CEMETERY	SMALL STREAM	MODERATE FLOW	
HK1789	830580	828350	7SW	HEUNG SHEK CEMETERY	SMALL STREAM	MODERATE FLOW	
HK1790	830910	828770	7SW	LO WAI	SMALL STREAM	MODERATE FLOW	
HK1791	830950	828750	7SW	LO WAI	SMALL STREAM	MODERATE FLOW	
HK1792	830700	828250	7SW	LO WAI	SMALL STREAM	MODERATE FLOW	
HK1793	831030	828400	7SW	LO WAI	SMALL STREAM	MODERATE FLOW	
HK1794	831040	828330	7SW	LO WAI	SMALL STREAM	MODERATE FLOW	
HK1795	830770	828210	7SW	LO WAI	SMALL STREAM	MODERATE FLOW	
HK1796	830650	828040	7SW	LO WAI	SMALL STREAM	MODERATE FLOW	
HK1797	830850	827700	7SW	LO WAI	SMALL STREAM	MODERATE FLOW	
HK1798	811230	828790	5SE	PAK LONG	SMALL STREAM	MODERATE FLOW	
HK1799	811130	828880	5SE	PAK LONG	SMALL STREAM	MODERATE FLOW	
HK1800	811160	829000	5SE	PAK LONG	SMALL STREAM	MODERATE FLOW	
HK1801	811010	829600	5SE	LUNG KWU SHEUNG TAN	STREAM	MODERATE FLOW	
HK1802	810980	829640	5SE	LUNG KWU SHEUNG TAN	STREAM	MODERATE FLOW	
HK1803	811020	829700	5SE	LUNG KWU SHEUNG TAN	STREAM	MODERATE FLOW	
HK1804	850200	832260	8NW	WONG CHUK LONG	STREAM	MODERATE FLOW	
HK1805	850330	832700	8NW	WONG CHUK LONG	STREAM	MODERATE FLOW	
HK1806	850780	833260	8NW	HAU TONG KAI	SMALL STREAM	MODERATE FLOW	
HK1807	850580	832970	8NW	HAU TONG KAI	STREAM	MODERATE FLOW	
HK1808	850600	832900	8NW	HAU TONG KAI	STREAM	MODERATE FLOW	
HK1809	852040	833510	8NW	TAI TAN	SMALL STREAM	MODERATE FLOW	
HK1810	850520	828330	8SW	SAI KUNG EAST PARK	SMALL STREAM	LOW FLOW	
HK1811	850850	830250	8NW	PAK TAM	SMALL STREAM	MODERATE FLOW	
HK1812	850740	830350	8NW	PAK TAM	SMALL STREAM	MODERATE FLOW	
HK1813	850640	830400	8NW	PAK TAM	SMALL STREAM	MODERATE FLOW	
HK1814	850410	830630	8NW	PAK TAM	SMALL STREAM	MODERATE FLOW	
HK1815	851850	835600	8NW	HOI HA	SMALL STREAM	LOW FLOW	METAL
HK1816	851480	835430	8NW	HOI HA	SMALL STREAM	LOW FLOW	
HK1817	851660	832165	8NW	UK TAU	STREAM	MODERATE FLOW	
HK1818	851250	832250	8NW	UK TAU	SMALL STREAM	MODERATE FLOW	IRON/STEEL WIRE
HK1819	851740	830180	8NW	TAI CHE LEUNG TUN	STREAM	MODERATE FLOW	
HK1820	850130	834400	8NW	PAK SHA O	STREAM	MODERATE FLOW	CERAMICS

Sample Name	East	North	Sheet	Locality	Drainage Type	Drainage Condition	Contamination
HK1821	850030	834450	8NW	SHAN TUNG	SMALL STREAM	MODERATE FLOW	CERAMICS
HK1822	850380	834340	8NW	SHAN TUNG	SMALL STREAM	LOW FLOW	
HK1823	850600	834510	8NW	PAK SHA O	SMALL STREAM	MODERATE FLOW	
HK1824	850880	834350	8NW	PAK SHA O	STREAM	MODERATE FLOW	CERAMICS
HK1825	850730	834355	8NW	PAK SHA O	SMALL STREAM	LOW FLOW	
HK1826	852460	833700	8NW	TAI TAN	STREAM	MODERATE FLOW	
HK1827	849440	829660	8SW	PING TUN	STREAM	MODERATE FLOW	CERAMICS
HK1828	849000	829950	8SW	PING TUN	STREAM	MODERATE FLOW	CERAMICS
HK1829	848065	830135	8NW	KAI KUNG SHAN	STREAM	MODERATE FLOW	
HK1830	848040	830110	8NW	KAI KUNG SHAN	SMALL STREAM	LOW FLOW	
HK1831	848195	830120	8NW	KAI KUNG SHAN	SMALL STREAM	MODERATE FLOW	
HK1832	848685	829900	8SW	SHEK HANG	STREAM	MODERATE FLOW	
HK1833	848630	829750	8SW	SHEK HANG	STREAM	MODERATE FLOW	CERAMICS
HK1834	848690	829300	8SW	WONG MO YING	STREAM	MODERATE FLOW	CERAMICS
HK1835	849225	829030	8SW	SHE TAU	SMALL STREAM	LOW FLOW	
HK1836	848800	828530	8SW	TSO WO HANG	SMALL STREAM	LOW FLOW	BULK INDUSTRIAL WASTE
HK1837	848835	828430	8SW	SHA TIN HANG	STREAM	MODERATE FLOW	CERAMICS
HK1838	850550	829620	8SW	TAI TUN HILL	SMALL STREAM	LOW FLOW	
HK1839	847370	828800	8SW	SHA TIN HANG	SMALL STREAM	LOW FLOW	METAL,CERAMICS
HK1840	846670	828980	8SW	WO LIN	SMALL STREAM	LOW FLOW	CERAMICS
HK1841	847030	829160	8SW	O TAU	STREAM	MODERATE FLOW	
HK1842	856600	824450	8SE	PO PIN CHAU	SMALL STREAM	LOW FLOW	
HK1843	855570	824260	8SE	FA SHAN	SMALL STREAM	LOW FLOW	
HK1844	855025	828260	8SE	LO TEI TUN	STREAM	DRY	
HK1845	855150	828320	8SE	LO TEI TUN	SMALL STREAM	DRY	
HK1846	854800	828390	8SE	LO TEI TUN	SMALL STREAM	LOW FLOW	
HK1847	854065	827845	8SE	WANG TAU TUN	SMALL STREAM	MODERATE FLOW	
HK1848	853535	828580	8SE	TIN MEI SHAN	SMALL STREAM	LOW FLOW	
HK1849	853500	828630	8SE	TIN MEI SHAN	SMALL STREAM	LOW FLOW	
HK1850	853500	828470	8SE	TIN MEI SHAN	SMALL STREAM	MODERATE FLOW	
HK1851	852735	828470	8SE	TAI CHAM KOI	STREAM	LOW FLOW	CERAMICS
HK1852	849650	828290	8SW	TSAM CHUK WAN	SMALL STREAM	MODERATE FLOW	CERAMICS
HK1853	833145	825560	7SW	KAM SHAN GOLDEN HILL	STREAM	DRY	PLASTICS
HK1854	833950	824695	7SW	KAM SHAN	SMALL STREAM	LOW FLOW	
HK1855	833960	825020	7SW	KAM SHAN	SMALL STREAM	LOW FLOW	
HK1856	832870	825150	7SW	KAM SHAN	SMALL STREAM	LOW FLOW	
HK1857	831890	823190	11NW	KAU WA KENG	SMALL STREAM	MODERATE FLOW	METAL,CERAMICS
HK1858	832880	822720	11NW	BUTTERFLY VALLEY	STREAM	MODERATE FLOW	
HK1859	827730	827550	6SE	SHEUNG FA SHAN	SMALL STREAM	MODERATE FLOW	
HK1860	827650	827780	6SE	SHEUNG SHAN	SMALL STREAM	MODERATE FLOW	
HK1861	827720	827500	6SE	SHEUNG FA SHAN	SMALL STREAM	MODERATE FLOW	
HK1862	827150	827580	6SE	SHEUNG FA SHAN	SMALL STREAM	MODERATE FLOW	

Sample Name	East	North	Sheet	Locality	Drainage Type	Drainage Condition	Contamination
HK1897	837170	840800	3SW	KWAI TAU LENG	STREAM	LOW FLOW	
HK1898	837100	840810	3SW	KWAI TAU LENG	ESTUARY	LOW FLOW	
HK1899	836700	840670	3SW	KWAI TAU LENG	SMALL STREAM	LOW FLOW	
HK1900	836340	840880	3SW	SAN UK TSAI	STREAM	MODERATE FLOW	CERAMICS,GLASS
HK1901	836900	841470	3SW	TAN CHUK HANG	SMALL STREAM	LOW FLOW	
HK1902	835910	841220	3SW	KO-PO SHAN	SMALL STREAM	LOW FLOW	CERAMICS
HK1903	835635	841000	3SW	KO-PO SHAN	SMALL STREAM	DRY	
HK1904	834340	839650	3SW	PO KAT TSAI	SMALL STREAM	MODERATE FLOW	
HK1905	833040	836730	3SW	TAI HANG	SMALL STREAM	LOW FLOW	METAL
HK1906	832810	836550	3SW	TAI HANG	SMALL STREAM	LOW FLOW	
HK1907	833550	837100	3SW	NAM WA PO	SMALL STREAM	LOW FLOW	CERAMICS
HK1908	833990	838460	3SW	TONG HANG	SMALL STREAM	DRY	METAL,GLASS
HK1909	833870	838690	3SW	FROM TONG HANG	SMALL STREAM	MODERATE FLOW	METAL,CERAMICS
HK1910	833690	838990	3SW	TONG HANG	SMALL STREAM	LOW FLOW	
HK1911	834440	837100	3SW	YUEN LENG	SMALL STREAM	MODERATE FLOW	
HK1912	834700	836890	3SW	YUEN LENG	SMALL STREAM	LOW FLOW	
HK1913	830550	837060	3SW	PAK TAI TO YAN	SMALL STREAM	MODERATE FLOW	METAL
HK1914	830350	837020	3SW	PAK TAI TO YAN	SMALL STREAM	STRONG FLOW	METAL,PLASTICS
HK1915	830370	836950	3SW	PO LENG	SMALL STREAM	LOW FLOW	CERAMICS
HK1916	831560	838710	3SW	PAK TAI TO YAN	SMALL STREAM	MODERATE FLOW	METAL,CERAMICS
HK1917	831245	838560	3SW	PO LENG	SMALL STREAM	MODERATE FLOW	
HK1918	832165	838570	3SW	TIN SAM	SMALL STREAM	MODERATE FLOW	METAL,CERAMICS
HK1919	832290	838070	3SW	TIN SAM	STREAM	MODERATE FLOW	CERAMICS
HK1920	831765	837765	3SW	KEI LAK TSAI	SMALL STREAM	LOW FLOW	
HK1921	831680	837615	3SW	KEI LAK TSAI	SMALL STREAM	MODERATE FLOW	
HK1922	816080	832290	6NW	YUEN TAU SHAN	SMALL STREAM	MODERATE FLOW	METAL
HK1923	816180	832500	6NW	TUEN TAU SHAN	STREAM	MODERATE FLOW	
HK1924	816080	832950	6NW	SAN SANG TSUEN	SMALL STREAM	LOW FLOW	METAL
HK1925	830350	837020	3SW	PAK TAI TO YAU	STREAM	MODERATE FLOW	METAL,PLASTICS
HK1926	836900	841470	3SW	TAN CHUK HANG	SMALL STREAM	LOW FLOW	
HK1927	836980	838510	3SW	SOUTH OF HOK TAU RESERVOIR NEAR PING SHAN CHAI	SMALL STREAM	MODERATE FLOW	
HK1928	836880	838650	3SW	HAM TOK RESERVOIR	SMALL STREAM	MODERATE FLOW	
HK1929	836800	838630	3SW	HOK TAU RESERVOIR SHEK AO SHAN DISTRICT	SMALL STREAM	MODERATE FLOW	
HK1930	837050	839080	3SW	HOK TAU RESERVOIR NEAR SHEK AO SHAN	SMALL STREAM	MODERATE FLOW	METAL,GLASS
HK1931	836720	839750	3SW	MAIN RIVER DRAINING HOK TAU RESERVOIR	SMALL STREAM	MODERATE FLOW	
HK1932	836190	839930	3SW	HOK TAU WAI NEAR HOK TAU ROAD	SMALL STREAM	MODERATE FLOW	METAL

Sample Name	East	North	Sheet	Locality	Drainage Type	Drainage Condition	Contamination
HK1933	835540	839030	3SW	LAU SHUI HEUNG RESERVOIR	SMALL STREAM	MODERATE FLOW	
HK1934	835610	838950	3SW	LAU SHUI HEUNG RESERVOIR	SMALL STREAM	LOW FLOW	
HK1935	834770	838390	3SW	UPSTM OF KAU LUNG HANG LO WAI NEAR BIRDS PASS	SMALL STREAM	MODERATE FLOW	
HK1936	834890	838270	3SW	KAU LUNG HANG LO WAI	SMALL STREAM	MODERATE FLOW	
HK1937	834740	837750	3SW	LUNG HAUG LO WAI	SMALL STREAM	MODERATE FLOW	
HK1938	835420	837890	3SW	KAU LUNG HANG LO WAI	SMALL STREAM	MODERATE FLOW	
HK1939	835460	837910	3SW	KU LUNG HANG LO WAI	SMALL STREAM	MODERATE FLOW	
HK1940	835280	838170	3SW	KAU LUNG HANG LO WAI	SMALL STREAM	MODERATE FLOW	
HK1941	835300	838200	3SW	KAU LUNG HANG LO WAI	SMALL STREAM	MODERATE FLOW	
HK1942	834790	837970	3SW	KAU LUNG HANG LO WAI	SMALL STREAM	MODERATE FLOW	
HK1943	834470	836650	3SW	TAI WO VILLAGE	SMALL STREAM	MODERATE FLOW	METAL,CERAMICS,GLASS
HK1944	834150	836930	3SW	TAI WO VILLAGE	SMALL STREAM	MODERATE FLOW	METAL
HK1945	834580	836730	3SW	TAI WO VILLAGE	SMALL STREAM	MODERATE FLOW	
HK1946	834910	836700	3SW	TAI WO VILLAGE NEAR TAI PO FANLING EXPRESSWAY	SMALL STREAM	MODERATE FLOW	CERAMICS,GLASS
HK1947	834910	836600	3SW	TAI WO VILLAGE	SMALL STREAM	MODERATE FLOW	
HK1948	830870	836850	3SW	YING PUN OFF FAN KAM ROAD	SMALL STREAM	MODERATE FLOW	
HK1949	830830	836790	3SW	YING PUN NEAR FAN KAM ROAD	SMALL STREAM	MODERATE FLOW	
HK1950	830530	837010	3SW	YING PUN	SMALL STREAM	MODERATE FLOW	
HK1951	831810	837610	3SW	KEI LAK TSAI - WO HOP SHEK CEMETERY	SMALL STREAM	MODERATE FLOW	
HK1952	831820	837400	3SW	KEI LAK TSAI NEAR WO HOP SHEK CEMETERY	SMALL STREAM	MODERATE FLOW	
HK1953	831840	837460	3SW	WO HOP SHEK CORPS RIDGE	SMALL STREAM	MODERATE FLOW	
HK1954	831760	837680	3SW	KEI LAK TSAI NEAT WO HOP SHEK CEMETERY	SMALL STREAM	MODERATE FLOW	
HK1955	832160	837540	3SW	KEI LAK TSAI - CORPS RIDGE MEAR WO HOP SHEK	SMALL STREAM	LOW FLOW	
HK1956	831380	837430	3SW	SOUTH OF KEI LAK TSAI NEAR WO HOP SHEK	SMALL STREAM	MODERATE FLOW	
HK1957	831300	837430	3SW	SOUTH OF KEI LAK TSAI NEAR WO HOP SHEK	SMALL STREAM	MODERATE FLOW	
HK1958	817080	829100	6SW	THE SERVICE RESERVOIR NEAR FU TEI SHEUNG TSUEN	SMALL STREAM	MODERATE FLOW	
HK1959	817050	829880	6SW	THE SERVICE RESERVOIR NEAR FU TEI SHEUNG TSUEN	SMALL STREAM	MODERATE FLOW	

Sample Name	East	North	Sheet	Locality	Drainage Type	Drainage Condition	Contamination
HK1960	817140	829080	6SW	THE SERVICE RESERVOIR NEAR FU TEI SHEUNG TSUEN	SMALL STREAM	MODERATE FLOW	
HK1961	817210	828400	6SW	MAIN TRIB SAMPLE 1958 NEAR FU TEI SHEUNG	SMALL STREAM	MODERATE FLOW	
HK1962	822480	831470	6NW	CHEUNG NGAU SHAN SUNG SHAN SAN TSUEN	STREAM	MODERATE FLOW	CERAMICS
HK1963	822310	832340	6NW	NGA YIU TAU	SMALL STREAM	LOW FLOW	
HK1964	850300	831150	8NW	PAK TAM NEAR LADY MACLEHOSE HOCIDAY VILLAGE	SMALL STREAM	MODERATE FLOW	
HK1965	850310	831120	8NW	PAK TAM NEAR MACLEHOSE MOLIDAY VILLAGE	SMALL STREAM	MODERATE FLOW	
HK1966	850280	831050	8NW	PAK TAM NEAR LADY MACLEHOSE HOLIDAY VILLAGE	SMALL STREAM	MODERATE FLOW	
HK1967	854320	824450	8SE	PAK A TENG NEAR HIGH INLAND RESERVOIR	SMALL STREAM	MODERATE FLOW	
HK1968	854380	824540	8SE	PAK A TENG NEAR HIGH ISLAND RESERVOIR	SMALL STREAM	MODERATE FLOW	
HK1969	854410	824420	8SE	TENG NEAR HIGH ISLAND RESERVOIR	SMALL STREAM	MODERATE FLOW	
HK1970	851650	829650	8SW	LADY MACLEHOSE HOLIDAY VILLAGE	SMALL STREAM	MODERATE FLOW	
HK1971	851650	829620	8SW	LADY MACLEHOSE HOLIDAY VILLAGE	SMALL STREAM	MODERATE FLOW	
HK1972	851300	829410	8SW	LADY MACLEHOSE HOLIDAY VILLAGE	SMALL STREAM	MODERATE FLOW	
HK1973	851240	829430	8SW	LUNG HANG RIVER	STREAM	MODERATE FLOW	
HK1974	851380	829270	8SW	PAK TAM ROAD	SMALL STREAM	MODERATE FLOW	
HK1975	851130	829180	8SW	LUNG HANG RIVER	SMALL STREAM	MODERATE FLOW	
HK1976	851610	828830	8SW	TAI MONG TSAI ROAD	SMALL STREAM	MODERATE FLOW	
HK1977	851130	827740	8SW	HEI TSZ WAN	SMALL STREAM	MODERATE FLOW	
HK1978	851160	827780	8SW	HEI TSZ WAN	SMALL STREAM	MODERATE FLOW	
HK1979	851150	828050	8SW	SHEUNG YIU FOLK	SMALL STREAM	MODERATE FLOW	
HK1980	833950	824170	7SW	GOLDEN MILE ROAD	SMALL STREAM	MODERATE FLOW	
HK1981	833280	824310	7SW	SHEK LEI PUI	SMALL STREAM	MODERATE FLOW	
HK1982	833640	824340	7SW	KLN RESERVOIR	SMALL STREAM	MODERATE FLOW	
HK1983	833430	824550	7SW	GOLDEN MILE ROAD	SMALL STREAM	MODERATE FLOW	
HK1984	833100	823700	11NW	KLN RESERVOIR	SMALL STREAM	MODERATE FLOW	
HK1985	833070	823710	11NW	KLN RESERVOIR	SMALL STREAM	MODERATE FLOW	
HK1986	832760	823700	11NW	KLN RESERVOIR	SMALL STREAM	MODERATE FLOW	
HK1987	832500	823770	11NW	KLN RESERVOIR	SMALL STREAM	MODERATE FLOW	
HK1988	832530	823820	11NW	TAI CHING CHEUNG	SMALL STREAM	MODERATE FLOW	

Sample Name	East	North	Sheet	Locality	Drainage Type	Drainage Condition	Contamination
HK1989	834360	823670	11NW	KLN RESERVOIR	SMALL STREAM	MODERATE FLOW	
HK1990	834330	823650	11NW	KLN RESERVOIR	SMALL STREAM	MODERATE FLOW	
HK1991	834310	823770	11NW	TAI PO - SHA TIN	SMALL STREAM	MODERATE FLOW	
HK1992	836300	822920	11NW	LUNG CHEUNG ROAD	SMALL STREAM	LOW FLOW	
HK1993	836330	822920	11NW	LUNG CHEUNG ROAD	SMALL STREAM	MODERATE FLOW	
HK1994	836920	838450	3SW	SHEK AU SHAN	SMALL STREAM	MODERATE FLOW	
HK1995	836320	838440	3SW	SHEK AU SHAN	SMALL STREAM	MODERATE FLOW	
HK1996	836320	838520	3SW	SHEK AU SHAN	SMALL STREAM	MODERATE FLOW	
HK1997	836700	839020	3SW	SHEK AU SHAN	SMALL STREAM	MODERATE FLOW	
HK1998	821875	830560	6NW	NAM HANG	STREAM	MODERATE FLOW	
HK1999	821785	830360	6NW	NAM HANG	STREAM	MODERATE FLOW	
HK2000	822040	830830	6NW	NAM HANG	STREAM	MODERATE FLOW	
HK2001	821740	831400	6NW	NAM HANG	STREAM	MODERATE FLOW	CERAMICS,PLASTICS
HK2002	819450	831080	6NW	PAK SHA TSUEN	SMALL STREAM	MODERATE FLOW	METAL,CERAMICS
HK2003	816180	832500	6NW	YEUN TAU SHAN	STREAM	MODERATE FLOW	
HK2004	818230	828570	6SW	TSEUNG TAU TSUEN CHUNG TSUEN	SMALL STREAM	MODERATE FLOW	
HK2005	818290	828570	6SW	TSEUNG TAU TSUEN CHUNG TSUEN	SMALL STREAM	MODERATE FLOW	
HK2006	818120	829720	6SW	TEI SHEUNG TSUEN	SMALL STREAM	MODERATE FLOW	
HK2007	818160	829790	6SW	FU TEI SHEUNG TSUEN	SMALL STREAM	MODERATE FLOW	
HK2008	819430	831580	6NW	PAK SHA TSUEN	SMALL STREAM	LOW FLOW	
HK2009	819210	831820	6NW	SHAN HA TSUEN	SMALL STREAM	MODERATE FLOW	GLASS
HK2010	818750	832390	6NW	TONG YAN SAN TSUEN	SMALL STREAM	DRY	
HK2011	819220	832080	6NW	SHAN HA TSUEN	SMALL STREAM	LOW FLOW	
HK2012	821785	830360	6NW	NAM HANG	STREAM	MODERATE FLOW	
HK2013	836430	837330	3SW	CHEUNG UK	SMALL STREAM	LOW FLOW	
HK2014	844260	808010	15NE	LAP SAD WAN BAY	SMALL STREAM	LOW FLOW	METAL
HK2015	843650	807920	15NE	CAPE D'AGUILAR ROAD	SMALL STREAM	DRY	METAL
HK2016	843240	808900	15NE	CAPE D'AGUILAR ROAD	SMALL STREAM	DRY	METAL
HK2017	843545	809790	15NE	WINDY GAP	SMALL STREAM	PONDED	PLASTICS
HK2018	843500	810355	15NE	SHEK O ROAD	SMALL STREAM	DRY	
HK2019	843100	812300	11SE	MOUNT COLLINSON	STREAM	PONDED	RUBBER
HK2020	843210	812350	11SE	POTTINGER PEAK	SMALL STREAM	LOW FLOW	CERAMICS, PLASTICS
HK2021	843015	812230	11SE	POTTINGER PEAK	SMALL STREAM	DRY	METAL
HK2022	843110	811990	15NE	WAN CHAM SHAN	SMALL STREAM	DRY	
HK2023	843410	811370	15NE	BIG WAVE BAY ROAD	STREAM	DRY	
HK2024	843600	811070	15NE	BIG WAVE BAY ROAD	SMALL STREAM	DRY	
HK2025	842530	809720	15NE	TO TEI WAN	STREAM	PONDED	
HK2026	842570	809630	15NE	TO TEI WAN	STREAM	PONDED	
HK2027	842560	810060	15NE	NGAN HANG TSUEN	SMALL STREAM	DRY	
HK2028	841840	812035	11SE	OBELISK HILL	SMALL STREAM	PONDED	CERAMICS
HK2029	841965	811980	15NE	LAN NAI WAN TSUEN	SMALL STREAM	LOW FLOW	
HK2030	842040	811830	15NE	LAN NAI WAN TSUEN	STREAM	LOW FLOW	

Sample Name	East	North	Sheet	Locality	Drainage Type	Drainage Condition	Contamination
HK2031	842440	811530	15NE	WAN CHAM SHAN	SMALL STREAM	PONDED	
HK2032	842480	811520	15NE	LAN NAI WAN TSUEN	SMALL STREAM	LOW FLOW	
HK2033	842440	811200	15NE	TUNG AH TSUEN	SMALL STREAM	LOW FLOW	CERAMICS
HK2034	842440	811170	15NE	LAN NAI WAN TSUEN	SMALL STREAM	PONDED	RUBBER
HK2035	842370	810800	15NE	TUNG AH TSUEN	SMALL STREAM	PONDED	
HK2036	842540	810470	15NE	NGAN HANG TSUEN	STREAM	LOW FLOW	METAL
HK2037	842550	810400	15NE	NGAN HANG TSUEN	SMALL STREAM	PONDED	
HK2038	842120	812130	11SE	MOUNT COLLINSON	SMALL STREAM	DRY	
HK2039	841820	812390	11SE	MOUNT COLLINSON	SMALL STREAM	DRY	
HK2040	839100	810520	15NE	STANLEY MOUND	SMALL STREAM	DRY	
HK2041	839010	810950	15NE	STANLEY MOUND	SMALL STREAM	DRY	
HK2042	839240	811420	15NE	CHEUNG LIN SHAN	STREAM	LOW FLOW	
HK2043	838810	811250	15NE	CHEUNG LIN SHAN	SMALL STREAM	DRY	
HK2044	838540	809580	15NE	SOUTH BAY ROAD	SMALL STREAM	DRY	METAL, CERAMICS, GLASS, PLASTICS
HK2045	839220	808550	15NE	CHUNG HOM KOK ROAD	SMALL STREAM	LOW FLOW	
HK2046	839950	807890	15NE	TONG YAN PAI	SMALL STREAM	DRY	
HK2047	839600	809730	15NE	MA HANG SHAN	STREAM	DRY	
HK2048	839220	809790	15NE	MA HANG SHAN	SMALL STREAM	DRY	
HK2049	840350	809960	15NE	MA HANG SHAN	SMALL STREAM	DRY	METAL
HK2050	839850	809690	15NE	MA HANG SHAN	SMALL STREAM	DRY	
HK2051	840300	810400	15NE	LO FU SHAN	STREAM	LOW FLOW	
HK2052	840310	810440	15NE	LO FU SHAN	STREAM	PONDED	
HK2053	843840	812460	11SE	POTTINGER PEAK	SMALL STREAM	DRY	
HK2054	843950	812530	11SE	POTTINGER PEAK	SMALL STREAM	DRY	
HK2055	843780	813110	11SE	POTTINGER PEAK	SMALL STREAM	DRY	
HK2056	844220	812890	11SE	POTTINGER PEAK	SMALL STREAM	DRY	
HK2057	843420	813320	11SE	POTTINGER PEAK	SMALL STREAM	DRY	
HK2058	842910	813320	11SE	POTTINGER PEAK	SMALL STREAM	DRY	
HK2059	842180	812875	11SE	MOUNT COLLINSON	SMALL STREAM	DRY	
HK2060	842395	813050	11SE	MOUNT COLLINSON	SMALL STREAM	DRY	
HK2061	842600	812545	11SE	MOUNT COLLINSON	SMALL STREAM	DRY	
HK2062	842550	812420	11SE	MOUNT COLLINSON	SMALL STREAM	DRY	
HK2063	841470	812580	11SE	MOUNT COLLINSON	SMALL STREAM	PONDED	CERAMICS
HK2064	841530	812600	11SE	MOUNT COLLINSON	STREAM	LOW FLOW	
HK2065	841650	812700	11SE	MOUNT COLLINSON	SMALL STREAM	DRY	
HK2066	841620	812750	11SE	MOUNT COLLINSON	STREAM	PONDED	
HK2067	841550	812500	11SE	MOUNT COLLINSON	SMALL STREAM	DRY	
HK2068	841210	812360	11SE	OBELISH HILL	SMALL STREAM	DRY	CERAMICS
HK2069	843170	817380	11SE	DEVILS PEAK	SMALL STREAM	DRY	
HK2070	843240	817870	11SE	DEVILS PEAK	SMALL STREAM	DRY	
HK2071	843030	817300	11SE	DEVILS PEAK	SMALL STREAM	DRY	
HK2072	842730	816850	11SE	DEVILS PEAK	SMALL STREAM	DRY	

Sample Name	East	North	Sheet	Locality	Drainage Type	Drainage Condition	Contamination
HK2073	843920	817525	11SE	DEVILS PEAK	SMALL STREAM	PONDED	CERAMICS
HK2074	844030	817560	11SE	DEVILS PEAK	SMALL STREAM	DRY	
HK2075	843260	817040	11SE	DEVILS PEAK	SMALL STREAM	DRY	
HK2076	843090	816815	11SE	DEVILS PEAK	SMALL STREAM	DRY	
HK2077	842370	815350	11SE	LEI YUE MUN PARK	SMALL STREAM	DRY	
HK2078	841910	814390	11SE	TAI TAM ROAD	SMALL STREAM	LOW FLOW	
HK2079	841840	814710	11SE	MOUNT PARKER	SMALL STREAM	DRY	
HK2080	841090	813950	11SE	MOUNT PARKER	STREAM	PONDED	PLASTICS
HK2081	841100	813710	11SE	MOUNT PARKER	SMALL STREAM	DRY	
HK2082	841160	814000	11SE	MOUNT PARKER	SMALL STREAM	DRY	
HK2083	840140	813810	11SE	MOUNT PARKER ROAD	SMALL STREAM	DRY	
HK2084	840130	813470	11SE	TAI TAM RESERVOIR	SMALL STREAM	LOW FLOW	
HK2085	839000	814160	11SE	JARDINES LOOKOUT	STREAM	DRY	
HK2086	839260	814160	11SE	JARDINES LOOKOUT	SMALL STREAM	DRY	
HK2087	839480	814040	11SE	JARDINES LOOKOUT	STREAM	DRY	
HK2088	839790	813990	11SE	MOUNT BUTLER	SMALL STREAM	DRY	
HK2089	839040	813980	11SE	JARDINES LOOKOUT	SMALL STREAM	LOW FLOW	
HK2090	838790	813330	11SE	COUNTRY PARK MANAGEMENT CENTRE	STREAM	LOW FLOW	
HK2091	838990	813420	11SE	COUNTRY PARK MANAGEMENT CENTRE	STREAM	MODERATE FLOW	
HK2092	838820	813260	11SE	COUNTRY PARK MANAGEMENT CENTRE	SMALL STREAM	LOW FLOW	
HK2093	838730	813570	11SE	COUNTRY PARK MANAGEMENT CENTRE	SMALL STREAM	LOW FLOW	
HK2094	838830	813690	11SE	COUNTRY PARK MANAGEMENT CENTRE	STREAM	LOW FLOW	
HK2095	838950	813720	11SE	COUNTRY PARK MANAGEMENT	SMALL STREAM	DRY	
HK2096	840360	812720	11SE	TAI TAM MOUND	SMALL STREAM	MODERATE FLOW	
HK2097	840500	812820	11SE	TAI TAM MOUND	SMALL STREAM	LOW FLOW	
HK2098	840410	812710	11SE	TAI TAM MOUND	SMALL STREAM	MODERATE FLOW	
HK2099	840470	812650	11SE	TAI TAM MOUND	SMALL STREAM	LOW FLOW	
HK2100	839650	812730	11SE	TAI TAM MOUND	SMALL STREAM	MODERATE FLOW	
HK2101	839510	812570	11SE	TAI TAM MOUND	STREAM	MODERATE FLOW	
HK2102	839440	812370	11SE	TAI TAM MOUND	SMALL STREAM	DRY	
HK2103	839100	812110	11SE	VIOLET HILL	SMALL STREAM	PONDED	
HK2104	838960	811660	11SE	VIOLET HILL	SMALL STREAM	DRY	
HK2105	838990	811840	11SE	VIOLET HILL	SMALL STREAM	PONDED	
HK2106	838990	811910	11SE	VIOLET HILL	SMALL STREAM	LOW FLOW	
HK2107	839520	813170	11SE	COUNTRY PARK MANAGEMENT CENTRE	SMALL STREAM	LOW FLOW	
HK2108	839520	813130	11SE	COUNTRY PARK MANAGEMENT CENTRE	SMALL STREAM	MODERATE FLOW	

Sample Name	East	North	Sheet	Locality	Drainage Type	Drainage Condition	Contamination
HK2109	839270	812920	11SE	COUNTRY PARK MANAGEMENT CENTRE	SMALL STREAM	LOW FLOW	
HK2110	839300	812890	11SE	COUNTRY PARK MANAGEMENT CENTRE	SMALL STREAM	LOW FLOW	
HK2111	836990	812735	11SW	MOUNT NICHOLSON	SMALL STREAM	MODERATE FLOW	METAL, CERAMICS
HK2112	836860	811940	15NW	ISLAND ROAD	SMALL STREAM	DRY	CERAMICS
HK2113	837410	812440	11SW	MOUNT NICHOLSON	SMALL STREAM	LOW FLOW	
HK2114	837440	812460	11SW	MOUNT NICHOLSON	STREAM	MODERATE FLOW	
HK2115	837590	812780	11SE	WONG NAI CHUNG GAP	STREAM	MODERATE FLOW	
HK2116	837620	812750	11SE	WONG NAI CHUNG GAP	STREAM	MODERATE FLOW	
HK2117	837640	812160	11SE	VIOLET HILL	STREAM	LOW FLOW	
HK2118	837640	812140	11SE	VIOLET HILL	STREAM	LOW FLOW	
HK2119	838130	812150	11SE	VIOLET HILL	SMALL STREAM	DRY	
HK2120	838120	812480	11SE	VIOLET HILL	SMALL STREAM	DRY	METAL
HK2121	838300	812950	11SE	VIOLET HILL	SMALL STREAM	LOW FLOW	
HK2122	838750	812780	11SE	VIOLET HILL	SMALL STREAM	LOW FLOW	
HK2123	838780	812820	11SE	VIOLET HILL	SMALL STREAM	MODERATE FLOW	
HK2124	838270	811380	15NE	TSIN SHUI WAN AU	SMALL STREAM	DRY	
HK2125	838470	815950	11SE	BRAEMAR HILL	SMALL STREAM	LOW FLOW	RUBBER
HK2126	838980	815990	11SE	BRAEMAR HILL	STREAM	MODERATE FLOW	
HK2127	839150	816300	11SE	BRAEMAR HILL	SMALL STREAM	LOW FLOW	
HK2128	839640	816470	11SE	BRAEMAR HILL	SMALL STREAM	DRY	
HK2129	839750	816100	11SE	BRAEMAR HILL	SMALL STREAM	DRY	
HK2130	839770	816060	11SE	BRAEMAR HILL	SMALL STREAM	DRY	
HK2131	839630	815650	11SE	BRAEMAR HILL	SMALL STREAM	LOW FLOW	
HK2132	839630	815490	11SE	BRAEMAR HILL	SMALL STREAM	DRY	
HK2133	839650	815100	11SE	COUNTRY PARK MANAGEMENT CENTRE	SMALL STREAM	DRY	
HK2134	839780	814860	11SE	COUNTRY PARK MANAGEMENT CENTRE	SMALL STREAM	DRY	
HK2135	839990	814570	11SE	COUNTRY PARK MANAGEMENT CENTRE	SMALL STREAM	DRY	
HK2136	840380	814680	11SE	COUNTRY PARK MANAGEMENT CENTRE	SMALL STREAM	DRY	
HK2137	840440	814730	11SE	COUNTRY PARK MANAGEMENT CENTRE	SMALL STREAM	DRY	
HK2138	840360	815380	11SE	COUNTRY PARK MANAGEMENT CENTRE	SMALL STREAM	DRY	
HK2139	837440	812460	11SW	MOUNT NICHOLSON	STREAM	MODERATE FLOW	
HK2140	839020	815300	11SE	SIU MA SHAN	SMALL STREAM	LOW FLOW	METAL
HK2141	838740	814980	11SE	JARDINES LOOKOUT	SMALL STREAM	LOW FLOW	
HK2142	838990	814710	11SE	JARDINES LOOKOUT	STREAM	LOW FLOW	METAL
HK2143	838390	814980	11SE	JARDINES LOOKOUT	STREAM	MODERATE FLOW	METAL

Sample Name	East	North	Sheet	Locality	Drainage Type	Drainage Condition	Contamination
HK2144	838670	815190	11SE	FIRING RANGE	SMALL STREAM	LOW FLOW	
HK2145	838480	815240	11SE	FIRING RANGE	SMALL STREAM	DRY	
HK2146	838260	815560	11SE	FIRING RANGE	SMALL STREAM	DRY	
HK2147	838040	814270	11SE	JARDINES LOOKOUT	SMALL STREAM	DRY	METAL
HK2148	837720	813930	11SE	JARDINES LOOKOUT	SMALL STREAM	DRY	
HK2149	837790	813600	11SE	JARDINES LOOKOUT	SMALL STREAM	DRY	
HK2150	835550	814980	11SW	HOPEWELL CENTRE	SMALL STREAM	PONDED	METAL
HK2151	835750	814550	11SW	WANCHAI GAP	SMALL STREAM	DRY	
HK2152	835890	814320	11SW	WANCHAI GAP	SMALL STREAM	DRY	
HK2153	836320	814190	11SW	MOUNT NICHOLSON ROAD	SMALL STREAM	DRY	
HK2154	836700	813800	11SW	MOUNT CAMERON	SMALL STREAM	DRY	
HK2155	835130	814210	11SW	HK ISLAND	SMALL STREAM	DRY	
HK2156	835040	814220	11SW	HK ISLAND POLICE MUSIUM	SMALL STREAM	DRY	
HK2157	835150	814010	11SW	HK ISLAND POLICE MUSIUM	SMALL STREAM	DRY	
HK2158	835000	813720	11SW	HK ISLAND POLICE MUSIUM	SMALL STREAM	PONDED	
HK2159	834500	813870	11SW	TIN WAN SHAN	STREAM	LOW FLOW	
HK2160	834500	813860	11SW	TIN WAN SHAN	SMALL STREAM	LOW FLOW	
HK2161	834700	813750	11SW	TIN WAN SHAN	STREAM	LOW FLOW	
HK2162	834420	813650	11SW	TIN WAN SHAN	SMALL STREAM	PONDED	
HK2163	834680	813400	11SW	TIN WAN SHAN	STREAM	MODERATE FLOW	
HK2164	834650	813260	11SW	TIN WAN SHAN	SMALL STREAM	DRY	
HK2165	834450	812940	11SW	TIN WAN SHAN	SMALL STREAM	DRY	
HK2166	833950	813110	11SW	TIN WAN SHAN	STREAM	MODERATE FLOW	
HK2167	834090	813300	11SW	TIN WAN SHAN	SMALL STREAM	DRY	
HK2168	834070	813300	11SW	TIN WAN SHAN	STREAM	LOW FLOW	
HK2169	833910	813570	11SW	TIN WAN SHAN	STREAM	LOW FLOW	
HK2170	833840	813280	11SW	TIN WAN SHAN	SMALL STREAM	PONDED	
HK2171	833870	813340	11SW	TIN WAN SHAN	SMALL STREAM	LOW FLOW	
HK2172	833690	812940	11SW	TIN WAN SHAN	SMALL STREAM	DRY	
HK2173	835420	810920	15NW	OCEAN PACK	SMALL STREAM	LOW FLOW	
HK2174	835530	810860	15NW	OCEAN PACK	SMALL STREAM	DRY	
HK2175	835585	811915	15NW	POLICE TRAINING SCHOOL	SMALL STREAM	DRY	CERAMICS
HK2176	835340	811560	15NW	NAM LONG SHAN ROAD	SMALL STREAM	DRY	PLASTICS
HK2177	834540	811020	15NW	MOUNT JOHNSTON	SMALL STREAM	DRY	
HK2178	837310	813240	11SW	MOUNT NICHOSON	SMALL STREAM	DRY	
HK2179	835660	812550	11SW	GRANTHAM HOSPITAL	STREAM	MODERATE FLOW	
HK2180	835480	813300	11SW	WANCHAI CAP	SMALL STREAM	DRY	
HK2181	835850	813020	11SW	MOUNT CAMERON	SMALL STREAM	DRY	
HK2182	835830	813850	11SW	MOUNT CAMERON	STREAM	DRY	
HK2183	835320	813750	11SW	MOUNT CAMERON	STREAM	DRY	

Sample Name	East	North	Sheet	Locality	Drainage Type	Drainage Condition	Contamination
HK2184	836400	813110	11SW	MOUNT CAMERON	SMALL STREAM	DRY	
HK2185	836440	813140	11SW	MOUNT CAMERON	SMALL STREAM	DRY	
HK2186	836900	813000	11SW	MOUNT NICHOLSON	SMALL STREAM	DRY	
HK2187	832760	814160	11SW	MOUNT KELLETT	STREAM	LOW FLOW	
HK2188	833150	814440	11SW	VICTORIA GAP	STREAM	LOW FLOW	
HK2189	833090	814470	11SW	VICTORIA GAP	STREAM	LOW FLOW	
HK2190	832520	814210	11SW	POK FU LAM ROAD	STREAM	MODERATE FLOW	
HK2191	832600	814290	11SW	VICTORIA GAP	STREAM	LOW FLOW	
HK2192	832620	814260	11SW	VICTORIA GAP	STREAM	MODERATE FLOW	
HK2193	832400	814260	11SW	POK FU LAM ROAD	STREAM	LOW FLOW	
HK2194	832430	814380	11SW	SAI KO SHAN	SMALL STREAM	PONDED	
HK2195	832040	813030	11SW	VICTORIA ROAD	STREAM	MODERATE FLOW	METAL,GLASS
HK2196	832490	813420	11SW	POK FU LAM TSUEN	SMALL STREAM	LOW FLOW	METAL,RUBBER
HK2197	832350	813560	11SW	POK FU LAM TSUEN	STREAM	DRY	CERAMICS,PLASTICS
HK2198	832820	813540	11SW	MOUNT KELLETT	SMALL STREAM	LOW FLOW	
HK2199	833070	813290	11SW	MOUNT KELLETT	SMALL STREAM	PONDED	METAL
HK2200	832590	812980	11SW	MOUNT KELLETT	SMALL STREAM	MODERATE FLOW	FRAM EFFLUENT
HK2201	832490	812780	11SW	POK FU LAM ROAD	STREAM	MODERATE FLOW	METAL,CERAMICS
HK2202	830780	815690	11SW	MOUNT DAVIS	SMALL STREAM	DRY	
HK2203	830630	815680	11SW	MOUNT DAVIS	SMALL STREAM	DRY	
HK2204	830160	815430	11SW	MOUNT DAVIS	SMALL STREAM	DRY	
HK2205	831740	815370	11SW	SAI KO SHAN	SMALL STREAM	DRY	
HK2206	831700	815270	11SW	SAI KO SHAN	SMALL STREAM	DRY	
HK2207	832280	815600	11SW	VICTORIA PEAK	SMALL STREAM	DRY	
HK2208	832150	815750	11SW	VICTORIA PEAK	SMALL STREAM	DRY	
HK2209	832800	815700	11SW	VICTORIA PEAK	SMALL STREAM	DRY	
HK2210	832350	815590	11SW	VICTORIA PEAK	STREAM	LOW FLOW	
HK2211	848440	824950	8SW	SHARP ISLAND	SMALL STREAM	LOW FLOW	
HK2212	849950	824420	8SW	KAU SAI CHAU	STREAM	LOW FLOW	
HK2213	849900	825410	8SW	KAU SAI CHAU	SMALL STREAM	DRY	
HK2214	850610	825820	8SW	KAU SAI CHAU	SMALL STREAM	LOW FLOW	
HK2215	850870	824470	8SW	KAU SAI CHAU	SMALL STREAM	LOW FLOW	
HK2216	853350	824140	8SE	TAI SHE WAN	STREAM	LOW FLOW	CERAMICS
HK2217	852920	824500	8SE	TAI SHE WAN	STREAM	DRY	
HK2218	852770	824590	8SE	TAM SHUI WAN	SMALL STREAM	DRY	
HK2219	852450	826700	8SW	NAM FUNG WAN	STREAM	LOW FLOW	
HK2220	851470	827280	8SW	PO KWU WAN	STREAM	LOW FLOW	
HK2221	852860	825470	8SE	PAK MIN KOK	SMALL STREAM	PONDED	
HK2222	845350	823370	12NW	MAU TIN	STREAM	LOW FLOW	
HK2223	845360	822560	12NW	PAK SHUI WAN	STREAM	LOW FLOW	CERAMICS
HK2224	833070	813290	11SW	MOUNT KELLETT	SMALL STREAM	PONDED	METAL
HK2225	845840	821380	12NW	A KUNG WAN	SMALL STREAM	LOW FLOW	

Sample Name	East	North	Sheet	Locality	Drainage Type	Drainage Condition	Contamination
HK2226	848730	816990	12SW	TAI HANG TUN COUNTRY PARK	SMALL STREAM	LOW FLOW	
HK2227	849940	817980	12SW	TAI LENG TUNG	SMALL STREAM	PONDED	
HK2228	849710	818410	12NW	DUCK ROCKS	SMALL STREAM	PONDED	
HK2229	850960	822390	12NW	KAU SHUI LIU	SMALL STREAM	DRY	
HK2230	851030	821360	12NW	TIU CHUNG TAI SHAN	SMALL STREAM	DRY	
HK2231	851520	823580	12NW	TAI LENG	SMALL STREAM	LOW FLOW	
HK2232	851250	823180	12NW	TAI LENG	SMALL STREAM	LOW FLOW	
HK2233	850460	823050	12NW	SAN SIN TSENG SHAN	SMALL STREAM	DRY	
HK2234	849430	823530	12NW	SAN SIN TSENG SHAN	SMALL STREAM	DRY	
HK2235	827300	822800	10NE	MAU TAU WAN	DITCH	MODERATE FLOW	
HK2236	857840	826510	8SE	CHEUNG NGAM TENG	SMALL STREAM	DRY	
HK2237	857400	826530	8SE	CHEUNG NGAM TENG	STREAM	DRY	
HK2238	857390	826860	8SE	TAI YUE NGAM TENG	STREAM	DRY	
HK2239	857350	826870	8SE	TAI YUE NGAM TENG	SMALL STREAM	DRY	
HK2240	857680	827750	8SE	TAI YUE NGAM TENG	SMALL STREAM	DRY	
HK2241	857370	827840	8SE	SAI WAN SHAN	STREAM	PONDED	
HK2242	856420	827350	8SE	SAI WAN SHAN	SMALL STREAM	DRY	
HK2243	856450	827300	8SE	SAI WAN SHAN	SMALL STREAM	DRY	
HK2244	856850	826580	8SE	LONG KE	SMALL STREAM	DRY	
HK2245	856500	826300	8SE	LONG KE	SMALL STREAM	DRY	
HK2246	855700	826310	8SE	TUK NGU SHAN	SMALL STREAM	DRY	
HK2247	855200	837220	4SE	TAP MUN CHAU	SMALL STREAM	LOW FLOW	PLASTICS
HK2248	854940	837510	4SE	TAP MUN CHAU	SMALL STREAM	DRY	CERAMICS
HK2249	850170	840290	4SW	TONG LEK TSAI	SMALL STREAM	LOW FLOW	
HK2250	849940	840080	4SW	WU PAI	SMALL STREAM	LOW FLOW	
HK2251	839710	849450	4SW	WU CHAU TONG	SMALL STREAM	LOW FLOW	
HK2252	849200	839840	4SW	WU CHAU TONG	STREAM	LOW FLOW	
HK2253	848990	839660	4SW	WU CHAU TONE	SMALL STREAM	LOW FLOW	
HK2254	848750	839650	4SW	WU CHAU TONE	SMALL STREAM	LOW FLOW	
HK2255	848720	839700	4SW	WU CHAU TONE	SMALL STREAM	LOW FLOW	
HK2256	848000	839930	4SW	HUNG SHEK MUN TSUEN RESERVOIR	SMALL STREAM	LOW FLOW	
HK2257	848136	839920	4SW	HUNG SHEK MUN TSUEN RESERVOIR	SMALL STREAM	LOW FLOW	
HK2258	838000	840320	3SE	NGAU KOK CHUNG RIVER	STREAM	LOW FLOW	
HK2259	847430	840720	4SW	WONG CHUK CHUNG	STREAM	LOW FLOW	
HK2260	847540	840620	4SW	NGAU TAU KOK	SMALL STREAM	MODERATE FLOW	
HK2261	847580	840500	4SW	NGAU TAU KOK	SMALL STREAM	LOW FLOW	
HK2262	847530	840500	4SW	NGAU TAU KOK	SMALL STREAM	LOW FLOW	
HK2263	847380	840170	4SW	HUNG SHEK MUN AU	SMALL STREAM	LOW FLOW	
HK2264	847350	840200	4SW	HUNG SHEK MUN AU	SMALL STREAM	LOW FLOW	
HK2265	847110	841020	4SW	PAK HOI TUK	SMALL STREAM	DRY	
HK2266	852780	834350	8NE	SZ TEI	SMALL STREAM	LOW FLOW	

Sample Name	East	North	Sheet	Locality	Drainage Type	Drainage Condition	Contamination
HK2267	855000	831390	8NE	TAI MU SHAN	STREAM	LOW FLOW	
HK2268	855330	831420	8NE	TAI MU SHAN	SMALL STREAM	LOW FLOW	
HK2269	855320	831480	8NE	TAI MU SHAN	SMALL STREAM	DRY	
HK2270	854650	830300	8NE	PAK HANG RIVER	SMALL STREAM	LOW FLOW	
HK2271	854660	830400	8NE	PAK HANG RIVER	SMALL STREAM	LOW FLOW	
HK2272	854490	830850	8NE	PAK HANG RIVER	SMALL STREAM	LOW FLOW	
HK2273	853750	831230	8NE	NGAU WU TUN	SMALL STREAM	PONDED	
HK2274	853700	831290	7NW	NGAU WU TUN	STREAM	MODERATE FLOW	
HK2275	857410	831581	8NE	TUNG WAN VALLEY	SMALL STREAM	DRY	
HK2276	857500	831530	8NE	TUNG WAN VALLEY	SMALL STREAM	DRY	
HK2277	857560	831580	8NE	TUNG WAN VALLEY	SMALL STREAM	DRY	
HK2278	857630	831370	8NE	TUNG WAN VALLEY	STREAM	LOW FLOW	
HK2279	847580	840500	4SW	NGAU TAU KOK	SMALL STREAM	LOW FLOW	
HK2280	856410	831040	8NE	LAM UK WAI VALLEY	SMALL STREAM	DRY	
HK2281	855970	831970	8NE	NAM SHE AU	SMALL STREAM	DRY	
HK2282	856130	832180	8NE	NAM SHE VALLEY	SMALL STREAM	DRY	METAL
HK2283	856120	832770	8NE	NAM SHE VALLEY	STREAM	LOW FLOW	
HK2284	856350	830620	8NE	TAI LONG	SMALL STREAM	DRY	
HK2285	856210	831160	8NE	FROM TAI LONG AU	SMALL STREAM	DRY	
HK2286	856290	831400	8NE	TAI LONG AU	SMALL STREAM	DRY	
HK2287	855250	832340	8NE	SHA TAU	SMALL STREAM	LOW FLOW	
HK2288	855030	832520	8NE	SHA TAU	SMALL STREAM	LOW FLOW	
HK2289	854680	832680	8NE	SHA TAU	STREAM	LOW FLOW	
HK2290	854750	833370	8NE	WU LEI KIU	SMALL STREAM	LOW FLOW	
HK2291	855390	834590	8NE	LAM UK	SMALL STREAM	LOW FLOW	METAL,PLASTICS
HK2292	857460	832980	8NE	MAI FAN TSUI	SMALL STREAM	LOW FLOW	
HK2293	851500	836800	4SW	CHUEN LO KOK TSUI	SMALL STREAM	LOW FLOW	
HK2294	851300	837090	4SW	HEUNG LO KOK	SMALL STREAM	LOW FLOW	
HK2295	850910	839500	4SW	PAK KOK SHAN	SMALL STREAM	PONDED	
HK2296	850400	839040	4SW	FUNG WONG WAT EAST END OF BAY	SMALL STREAM	LOW FLOW	
HK2297	849350	838500	4SW	FUNG WONG WAT BAY	STREAM	DRY	
HK2298	846740	840930	4SW	MA NIU SHUI	STREAM	DRY	
HK2299	846790	840350	4SW	MA NIU SHUI	SMALL STREAM	DRY	
HK2300	846720	840370	4SW	MA NIU SHUI	SMALL STREAM	DRY	
HK2301	845640	840410	4SW	SAM A CHUNG	SMALL STREAM	DRY	
HK2302	845500	840370	4SW	HA MIU TIN	SMALL STREAM	DRY	
HK2303	845150	840370	4SW	HA MIU TIN	STREAM	MODERATE FLOW	
HK2304	844960	840370	3SE	SHEUNG MIU TIN	SMALL STREAM	LOW FLOW	
HK2305	844720	840260	3SE	SHEUNG MIU TIN	SMALL STREAM	MODERATE FLOW	
HK2306	844780	840300	3SE	SHEUNG MIU TIN	SMALL STREAM	MODERATE FLOW	
HK2307	844980	840760	3SE	SHEUNG MIU TIN	SMALL STREAM	DRY	

Sample Name	East	North	Sheet	Locality	Drainage Type	Drainage Condition	Contamination
HK2308	844935	840620	3SE	SHEUNG MIU TIN	SMALL STREAM	DRY	
HK2309	845200	840440	4SW	HA MIU TIN	SMALL STREAM	LOW FLOW	
HK2310	845350	840500	4SW	HA MIU TIN	SMALL STREAM	LOW FLOW	
HK2311	845830	840450	4SW	HA MIU TIN	SMALL STREAM	DRY	
HK2312	846170	840350	4SW	SAM A CHUNG	SMALL STREAM	DRY	
HK2313	846210	840340	4SW	SAM A CHUNG	SMALL STREAM	DRY	
HK2314	845820	840560	4SW	SAM A CHUNG	STREAM	MODERATE FLOW	
HK2315	845770	840700	4SW	SAM A CHUNG	SMALL STREAM	LOW FLOW	
HK2316	845770	840760	4SW	SAM A CHUNG	SMALL STREAM	LOW FLOW	
HK2317	845720	841110	4SW	LAI TAU SHEK	SMALL STREAM		
HK2318	848780	841020	4SW	TSAT SHUE WAN	SMALL STREAM	DRY	
HK2319	845620	841830	4SW	NGOR TAU TSUI	SMALL STREAM	DRY	
HK2320	842100	843030	3NE	SAM TO IN KUK PO	SMALL STREAM	LOW FLOW	
HK2321	842325	842850	3NE	SAM TO IN KUK PO	SMALL STREAM	LOW FLOW	
HK2322	842340	842770	3NE	NG TO IN KUK PO	SMALL STREAM	MODERATE FLOW	
HK2323	842410	842810	3NE	NG TO IN KUK PO	SMALL STREAM	MODERATE FLOW	
HK2324	841310	842890	3NE	FUNG HANG	SMALL STREAM	LOW FLOW	
HK2325	843050	844260	3NE	SO LO PUN	SMALL STREAM	LOW FLOW	
HK2326	843530	844610	3NE	SO LO PUN	SMALL STREAM	LOW FLOW	
HK2327	843400	844700	3NE	AU PUI LENG	SMALL STREAM	LOW FLOW	
HK2328	843500	844760	3NE	AU PUI LENG	SMALL STREAM	LOW FLOW	
HK2329	843570	843470	3NE	SHEK NGA TAU	SMALL STREAM	LOW FLOW	
HK2330	843500	843480	3NE	SHEK NGA TAU	SMALL STREAM	LOW FLOW	
HK2331	843900	843700	3NE	SO LO PUN	SMALL STREAM	LOW FLOW	
HK2332	844100	843960	3NE	SO LO PUN	SMALL STREAM	LOW FLOW	
HK2333	850350	841570	4SW	NGAI SHI SHAN	STREAM	LOW FLOW	
HK2334	850300	842025	4NW	WONG WAN PAK TENG	SMALL STREAM	LOW FLOW	
HK2335	850700	842880	4NW	LO KEI WAN ON CRESCENT ISLAND	SMALL STREAM	DRY	
HK2336	849250	841140	4SW	YAU YUE TONG DOUBLE ISLAND	SMALL STREAM	DRY	
HK2337	848390	844300	4NW	SHAM CHUNG (KAT O CHAU)	SMALL STREAM	LOW FLOW	
HK2338	846370	842440	4NW	NGAU SHI WU	STREAM	DRY	
HK2339	845730	842850	4NW	MO TO HANG	SMALL STREAM	DRY	
HK2340	845260	842480	4NW	SIU TAN	SMALL STREAM	LOW FLOW	
HK2341	844790	842760	3NE	LAI CHI WO	STREAM	MODERATE FLOW	
HK2342	844710	842180	3NE	MUI TSZ LAM	SMALL STREAM	LOW FLOW	
HK2343	844660	842165	3NE	MUI TSZ LAM	SMALL STREAM	LOW FLOW	
HK2344	844370	841900	3SE	KAP TONG	SMALL STREAM	LOW FLOW	
HK2345	844700	841860	3SE	KOP TONG	SMALL STREAM	DRY	
HK2346	844900	841740	3SE	KOP TONG	SMALL STREAM	DRY	
HK2347	843520	842340	3NE	FAN SHUI AU	STREAM	MODERATE FLOW	
HK2348	844270	842750	3NE	LAI CHI WO	STREAM	MODERATE FLOW	

Sample Name	East	North	Sheet	Locality	Drainage Type	Drainage Condition	Contamination
HK2349	844280	842690	3NE	MUI TSZ LAM	SMALL STREAM	DRY	
HK2350	844210	842440	3NE	TSZ MUN TIN	SMALL STREAM	DRY	
HK2351	844100	842480	3NE	TSZ MUN TIN	SMALL STREAM	DRY	
HK2352	844750	842810	3NE	LAI CHI WO	STREAM	MODERATE FLOW	
HK2353	844900	843870	3NE	PAK KOK WAN	SMALL STREAM	LOW FLOW	
HK2354	855600	827980	8SE	CHUI TUNG AU	SMALL STREAM	DRY	
HK2355	855570	827890	8SE	CHUI TUNG AU	SMALL STREAM	DRY	
HK2356	855950	828030	8SE	CHUI TUNG AU	SMALL STREAM	PONDED	
HK2357	856020	828150	8SE	CHUI TUNG AU	SMALL STREAM	LOW FLOW	
HK2358	856140	828180	8SE	CHUI TUNG AU	SMALL STREAM	DRY	
HK2359	856240	828300	8SE	SAI WAN	SMALL STREAM	DRY	
HK2360	855930	828880	8SE	LO TEI TUN	SMALL STREAM	DRY	
HK2361	855090	829080	8SE	LUK WU	SMALL STREAM	DRY	
HK2362	854940	829160	8SE	LUK WU	SMALL STREAM	LOW FLOW	
HK2363	854840	829450	8SE	LUK WU	STREAM	LOW FLOW	
HK2364	854710	829380	8SE	LUK WU	STREAM	LOW FLOW	
HK2365	854680	829330	8SE	LUK WU	SMALL STREAM	LOW FLOW	
HK2366	855390	829210	8SE	LUK WU	SMALL STREAM	LOW FLOW	
HK2367	855460	829390	8SE	LUK WU	STREAM	LOW FLOW	
HK2368	855500	829490	8SE	LUK WU	STREAM	LOW FLOW	
HK2369	855600	829880	8SE	LUK WU	SMALL STREAM	LOW FLOW	
HK2370	855650	829910	8SE	LUK WU	STREAM	MODERATE FLOW	
HK2371	855670	829840	8SE	LUK WU	SMALL STREAM	LOW FLOW	
HK2372	844625	802480	15SE	NAM KOK TSUI (PO TOI)	SMALL STREAM	DRY	
HK2373	844320	802720	15SE	WAN TSAI (PO TOI)	SMALL STREAM	DRY	
HK2374	844360	802975	15SE	TAI WAN (PO TOI)	SMALL STREAM	PONDED	
HK2375	844450	803620	15SE	SHAN LIU	SMALL STREAM	DRY	
HK2376	845530	804020	15SE	SAI PAI	SMALL STREAM	DRY	
HK2377	845135	804030	15SE	TUNG TAU	SMALL STREAM	DRY	
HK2378	845400	803440	15SE	TUNG TAU TENG	SMALL STREAM	DRY	
HK2379	830550	810660	15NW	NAM TSUI	SMALL STREAM	DRY	
HK2380	830400	810080	15NW	TAI PENG	SMALL STREAM	LOW FLOW	METAL
HK2381	830310	809970	15NW	TAI PENG	SMALL STREAM	DRY	
HK2382	830840	809290	15NW	LO TIK WAN	SMALL STREAM	DRY	
HK2383	830500	809000	15NW	HUNG SHING YE	SMALL STREAM	DRY	
HK2384	830600	808550	15NW	KAT TSAI WAN	SMALL STREAM	PONDED	
HK2385	831490	808690	15NE	LUK CHAU TSUEN	SMALL STREAM	DRY	
HK2386	831400	808740	15NW	LUK CHAU TSUEN	SMALL STREAM	DRY	
HK2387	830630	808000	15NW	TIT SHA LONG	SMALL STREAM	DRY	
HK2388	831380	806960	15NW	LING KOK SHAN	SMALL STREAM	LOW FLOW	CERAMICS
HK2389	831370	806740	15NW	LING KOK SHAN	SMALL STREAM	LOW FLOW	

Sample Name	East	North	Sheet	Locality	Drainage Type	Drainage Condition	Contamination
HK2390	831410	806730	15NW	LING KOK SHAN	SMALL STREAM	LOW FLOW	
HK2391	831500	806890	15NW	LING KOK SHAN	STREAM	LOW FLOW	METAL, CERAMICS, PLASTICS
HK2392	831550	806980	15NW	LING KOK SHAN	SMALL STREAM	LOW FLOW	CERAMICS
HK2393	831570	807230	15NW	LING KOK SHAN	SMALL STREAM	LOW FLOW	METAL, CERAMICS, PLASTICS
HK2394	830670	806670	15NW	LO SO SHING	SMALL STREAM	DRY	
HK2395	830650	806480	15NW	LO SO SHING	SMALL STREAM	LOW FLOW	
HK2396	830600	806180	15NW	SHAN TEI TONG	SMALL STREAM	PONDED	
HK2397	830550	805960	15SW	SHAN TEI TONG	SMALL STREAM	DRY	
HK2398	830500	805910	15SW	SHAN TEI TONG	SMALL STREAM	DRY	
HK2399	830550	805780	15SW	SHAN TEI TONG	SMALL STREAM	LOW FLOW	
HK2400	830530	805770	15SW	SHAN TEI TONG	SMALL STREAM	LOW FLOW	
HK2401	830330	805020	15SW	SHAN TEI TONG	SMALL STREAM	DRY	
HK2402	830740	805180	15SW	SHAN TEI TONG	SMALL STREAM	DRY	
HK2403	830780	805140	15SW	SHAN TEI TONG	SMALL STREAM	DRY	
HK2404	830760	804900	15SW	SHAN TEI TONG	SMALL STREAM	DRY	
HK2405	830750	804980	15SW	SHAN TEI TONG	SMALL STREAM	PONDED	
HK2406	833030	807370	15NW	MO TAT	SMALL STREAM	LOW FLOW	METAL
HK2407	833090	807150	15NW	MO TAT	SMALL STREAM	DRY	PLASTICS
HK2408	832630	806900	15NW	YUNG SHUE HA	SMALL STREAM	LOW FLOW	METAL, CERAMICS
HK2409	832520	806840	15NW	YUNG SHUE HA	SMALL STREAM	DRY	
HK2410	832300	806330	15NW	TUNG O	SMALL STREAM	LOW FLOW	
HK2411	854030	829630	8SE	TIN MEI SHAN	SMALL STREAM	PONDED	
HK2412	831800	806050	15NW	TUNG O	SMALL STREAM	DRY	
HK2413	830650	806480	15NW	LO SO SHING	SMALL STREAM	LOW FLOW	
HK2414	831830	806090	15NW	TUNG O	SMALL STREAM	DRY	
HK2415	853970	829630	8SE	TIN MEI SHAN	SMALL STREAM	LOW FLOW	
HK2416	853960	829570	8SE	TIN MEI SHAN	SMALL STREAM	PONDED	
HK2417	852800	829880	8SE	TAI CHAM KOI	SMALL STREAM	LOW FLOW	
HK2418	852580	829870	8SE	TAI CHAM KOI	SMALL STREAM	PONDED	
HK2419	838740	838640	3SE	NAM SHAN MEI	STREAM	MODERATE FLOW	
HK2420	838750	838580	3SE	NAM SHAN MEI	STREAM	MODERATE FLOW	
HK2421	838420	838530	3SE	NAM SHAN MEI	STREAM	MODERATE FLOW	
HK2422	838425	838640	3SE	NAM SHAN MEI	SMALL STREAM	LOW FLOW	
HK2423	838080	838580	3SE	NAM SHAN MEI	STREAM	MODERATE FLOW	
HK2424	838090	838340	3SE	NAM SHAN MEI	SMALL STREAM	LOW FLOW	
HK2425	837990	838300	3SE	NAM SHAN MEI	SMALL STREAM	LOW FLOW	
HK2426	837940	838440	3SE	NAM SHAN MEI	SMALL STREAM	LOW FLOW	

APPENDIX B

GEOCHEMICAL DATA

Major elements in wt%.

Trace elements in ppm.

Values of 0.00 are below limits of detection

TABLE OF ABBREVIATIONS

Ag	Silver	As	Arsenic
Ba	Barium	Bi	Bismuth
CaO	Calcium Oxide	Cd	Cadmium
Ce	Cerium	Co	Cobalt
Cr	Chromium	Cs	Cesium
Cu	Copper	Fe ₂ O ₃	Iron Oxide
Ga	Gallium	Ge	Germanium
Hg	Mercury	La	Lanthanum
MnO	Manganese Oxide	Mo	Molybdenum
Nb	Niobium	Ni	Nickel
P ₂ O ₅	Phosphorous Oxide	Pb	Lead
Rb	Rubidium	Sb	Antimony
Sc	Scandium	Se	Selenium
Sn	Tin	Sr	Strontium
Th	Thorium	TiO ₂	Titanium Oxide
U	Uranium	V	Vanadium
W	Tungsten	Y	Yttrium
Zn	Zinc	Zr	Zirconium

Sample	HK0001	HK0002	HK0003	HK0004	HK0005	HK0006	HK0007	HK0008	HK0009	HK0010	HK0011	HK0012
Ag	0.20	0.20	0.00	0.30	0.20	0.00	0.00	0.40	1.00	0.30	0.10	0.10
As	3.00	21.00	11.00	7.00	20.00	5.00	10.00	2.00	22.00	13.00	8.00	14.00
Ba	374.00	784.00	378.00	108.00	435.00	242.00	725.00	628.00	498.00	558.00	491.00	352.00
Bi	3.00	1.00	3.00	17.00	2.00	3.00	5.00	3.00	7.00	4.00	2.00	3.00
CaO	0.86	0.31	0.14	0.18	0.07	0.17	0.19	0.77	1.61	0.30	0.26	0.14
Cd	0.30	0.50	0.10	0.20	0.10	0.00	0.20	1.70	4.70	0.40	0.30	0.20
Ce	83.00	75.00	29.00	176.00	56.00	74.00	60.00	100.00	103.00	60.00	45.00	85.00
Co	5.30	3.10	1.50	1.70	0.50	2.70	2.80	6.60	8.40	4.50	3.40	0.60
Cr	21.00	21.00	24.00	104.00	25.00	22.00	22.00	19.00	26.00	28.00	26.00	19.00
Cs	17.00	14.00	10.00	20.00	6.00	16.00	18.00	13.00	2.00	7.00	20.00	29.00
Cu	6.00	11.70	5.00	6.10	3.20	1.70	2.70	20.50	51.80	16.70	96.90	2.70
Fe ₂ O ₃	3.89	4.44	2.06	6.06	1.30	2.09	3.59	4.24	6.55	4.58	3.77	2.84
Ga	18.00	12.00	7.00	33.00	8.00	9.00	12.00	16.00	21.00	13.00	12.00	11.00
Ge	1.00	1.00	3.00	2.00	2.00	1.00	1.00	1.00	4.00	1.00	1.00	1.00
Hg	1.19	1.16	0.90	0.65	0.82	0.84	1.03	1.26	1.24	1.07	1.02	1.10
La	23.00	34.00	18.00	42.00	30.00	30.00	33.00	37.00	39.00	27.00	26.00	45.00
MnO	0.10	0.15	0.04	0.14	0.01	0.04	0.03	0.20	0.37	0.12	0.07	0.01
Mo	0.60	0.20	0.00	2.30	0.00	0.30	0.20	0.70	2.90	0.50	0.40	0.20
Nb	21.00	23.00	20.00	79.00	18.00	25.00	20.00	20.00	30.00	21.00	22.00	21.00
Ni	2.00	12.00	9.00	16.00	13.00	6.00	9.00	12.00	12.00	11.00	10.00	6.00
P ₂ O ₅	0.03	0.09	0.03	0.02	0.02	0.02	0.04	0.08	0.11	0.09	0.06	0.08
Pb	75.00	20.00	19.00	60.00	17.00	19.00	22.00	73.00	645.00	33.00	34.00	37.00
Rb	271.00	138.00	78.00	215.00	86.00	88.00	128.00	225.00	285.00	133.00	132.00	137.00
Sb	1.00	22.00	2.00	5.00	2.00	2.00	9.00	2.00	0.90	4.00	7.00	6.00
Sc	11.00	5.00	4.00	12.00	3.00	6.00	7.00	9.00	13.00	10.00	4.00	3.00
Se	0.14	0.14	0.14	0.56	0.16	0.00	0.00	0.26	0.20	0.10	0.00	0.52
Sn	10.00	6.00	2.00	128.00	3.00	3.00	2.00	15.00	276.00	21.00	12.00	21.00
Sr	72.00	24.00	18.00	8.00	21.00	19.00	27.00	97.00	91.00	21.00	20.00	17.00
Th	31.00	14.00	10.00	125.00	13.00	18.00	20.00	26.00	27.00	17.00	18.00	23.00
TiO ₂	0.59	0.54	0.56	0.49	0.41	0.62	0.53	0.65	1.28	0.55	0.60	0.37
U	11.00	3.00	3.00	15.00	4.00	4.00	4.00	7.00	10.00	4.00	5.00	4.00
V	51.00	38.00	32.00	26.00	27.00	28.00	39.00	46.00	106.00	41.00	40.00	27.00
W	2.00	6.00	2.00	46.00	2.00	5.00	3.00	10.00	12.00	5.00	6.00	6.00
Y	27.00	42.00	27.00	112.00	33.00	33.00	32.00	32.00	37.00	31.00	36.00	42.00
Zn	72.00	54.00	24.00	84.00	24.00	13.00	33.00	190.00	784.00	103.00	93.00	37.00
Zr	847.00	743.00	963.00	1201.00	601.00	658.00	839.00	697.00	1821.00	748.00	1174.00	1032.00

Sample	HK0013	HK0014	HK0015	HK0016	HK0017	HK0018	HK0019	HK0020	HK0021	HK0022	HK0023	HK0024
Ag	0.10	0.40	0.10	0.10	0.20	0.20	0.40	0.10	0.10	0.30	0.20	0.00
As	22.00	16.00	7.00	8.00	20.00	15.00	16.00	8.00	13.00	19.00	21.00	20.00
Ba	398.00	701.00	429.00	437.00	264.00	378.00	526.00	559.00	481.00	652.00	636.00	577.00
Bi	4.00	1.00	3.00	2.00	4.00	2.00	3.00	2.00	2.00	1.00	2.00	3.00
CaO	0.20	0.31	0.27	0.27	0.31	0.30	0.33	0.24	0.23	0.31	0.35	0.25
Cd	0.50	0.30	0.20	0.20	0.50	0.50	0.40	0.10	0.20	0.50	0.40	0.40
Ce	75.00	84.00	37.00	49.00	64.00	87.00	53.00	52.00	50.00	82.00	71.00	85.00
Co	2.40	10.10	1.80	3.60	1.90	5.20	7.00	4.40	2.70	7.30	5.60	1.80
Cr	30.00	31.00	29.00	30.00	21.00	13.00	24.00	33.00	27.00	30.00	40.00	20.00
Cs	27.00	13.00	14.00	8.00	9.00	21.00	16.00	13.00	10.00	18.00	15.00	28.00
Cu	5.70	7.60	3.90	3.20	4.10	2.60	16.60	4.00	3.00	4.60	5.50	2.00
Fe ₂ O ₃	3.28	5.04	3.47	3.83	2.81	3.92	4.01	4.32	3.31	4.59	4.61	3.68
Ga	12.00	13.00	13.00	13.00	15.00	12.00	13.00	11.00	13.00	13.00	12.00	13.00
Ge	1.00	1.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Hg	1.00	1.16	0.98	1.03	0.77	0.85	0.90	1.06	0.92	0.84	1.02	1.06
La	33.00	33.00	14.00	23.00	25.00	35.00	24.00	16.00	21.00	35.00	28.00	42.00
MnO	0.05	0.28	0.03	0.04	0.05	0.09	0.23	0.08	0.05	0.18	0.11	0.02
Mo	0.50	0.20	0.30	0.10	0.40	0.30	0.30	0.00	0.20	0.30	0.20	0.40
Nb	34.00	20.00	26.00	21.00	23.00	29.00	22.00	18.00	25.00	18.00	14.00	25.00
Ni	7.00	18.00	3.00	8.00	10.00	5.00	11.00	12.00	7.00	16.00	20.00	10.00
P ₂ O ₅	0.05	0.08	0.02	0.06	0.07	0.11	0.12	0.05	0.04	0.12	0.09	0.05
Pb	23.00	39.00	39.00	23.00	27.00	30.00	36.00	25.00	29.00	28.00	25.00	30.00
Rb	166.00	139.00	115.00	114.00	129.00	123.00	133.00	106.00	136.00	143.00	124.00	170.00
Sb	5.00	0.90	3.00	5.00	3.00	4.00	5.00	5.00	7.00	2.00	0.00	10.00
Sc	7.00	12.00	8.00	8.00	7.00	12.00	9.00	7.00	9.00	7.00	10.00	8.00
Se	0.15	0.19	0.11	0.10	0.41	0.19	0.19	0.00	0.00	0.13	0.30	0.13
Sn	15.00	5.00	2.00	3.00	10.00	4.00	9.00	3.00	3.00	5.00	7.00	4.00
Sr	16.00	32.00	26.00	28.00	28.00	20.00	23.00	26.00	18.00	27.00	37.00	18.00
Th	24.00	23.00	16.00	13.00	24.00	27.00	18.00	12.00	18.00	17.00	12.00	24.00
TiO ₂	0.82	0.66	0.63	0.75	0.50	0.97	0.58	0.70	0.60	0.64	0.59	0.63
U	7.00	5.00	5.00	4.00	4.00	4.00	3.00	2.00	3.00	4.00	3.00	6.00
V	50.00	52.00	53.00	51.00	30.00	50.00	41.00	56.00	44.00	49.00	49.00	45.00
W	9.00	4.00	2.00	6.00	2.00	9.00	2.00	5.00	8.00	4.00	2.00	6.00
Y	45.00	34.00	26.00	29.00	38.00	35.00	29.00	23.00	30.00	31.00	22.00	37.00
Zn	54.00	61.00	35.00	39.00	82.00	59.00	105.00	52.00	33.00	66.00	66.00	35.00
Zr	1813.00	723.00	558.00	930.00	401.00	759.00	984.00	1127.00	812.00	607.00	640.00	869.00

Sample	HK0025	HK0026	HK0027	HK0028	HK0029	HK0030	HK0031	HK0032	HK0033	HK0034	HK0035	HK0036
Ag	0.20	0.00	0.20	0.40	0.00	0.10	0.20	0.20	0.20	0.20	0.70	0.30
As	19.00	22.00	5.00	12.00	8.00	8.00	14.00	11.00	9.00	11.00	28.00	7.00
Ba	812.00	436.00	425.00	496.00	572.00	450.00	465.00	443.00	392.00	543.00	349.00	252.00
Bi	2.00	4.00	2.00	2.00	1.00	2.00	2.00	3.00	3.00	2.00	2.00	3.00
CaO	0.24	0.18	0.21	0.31	0.19	0.19	0.34	0.32	0.26	0.38	0.40	0.28
Cd	0.50	0.50	0.20	0.30	0.20	0.20	0.20	0.20	0.20	0.30	2.50	0.30
Ce	67.00	93.00	65.00	61.00	42.00	56.00	51.00	42.00	80.00	59.00	98.00	111.00
Co	5.60	1.90	3.00	4.90	3.10	3.40	5.00	3.00	3.60	3.30	7.70	1.60
Cr	34.00	21.00	18.00	27.00	34.00	26.00	27.00	34.00	101.00	26.00	31.00	19.00
Cs	24.00	24.00	17.00	25.00	6.00	20.00	15.00	22.00	25.00	14.00	13.00	16.00
Cu	3.80	2.90	2.90	5.70	7.60	3.40	5.40	3.90	6.40	4.60	30.40	2.00
Fe ₂ O ₃	4.80	3.52	3.16	3.69	4.46	2.92	3.97	3.31	3.14	4.03	4.29	2.69
Ga	14.00	13.00	12.00	13.00	15.00	9.00	11.00	11.00	11.00	14.00	14.00	14.00
Ge	1.00	1.00	1.00	1.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Hg	0.59	0.80	0.86	0.89	0.78	1.09	0.71	0.54	0.58	0.65	0.57	0.67
La	35.00	40.00	27.00	27.00	26.00	24.00	18.00	20.00	29.00	25.00	68.00	48.00
MnO	0.09	0.03	0.07	0.14	0.11	0.03	0.15	0.06	0.05	0.09	0.26	0.12
Mo	0.30	0.20	0.20	0.20	0.00	0.10	0.20	0.20	0.10	0.30	0.80	0.60
Nb	20.00	25.00	25.00	22.00	19.00	12.00	21.00	21.00	25.00	21.00	20.00	30.00
Ni	13.00	7.00	8.00	12.00	13.00	9.00	10.00	7.00	11.00	13.00	22.00	10.00
P ₂ O ₅	0.07	0.05	0.04	0.06	0.05	0.04	0.07	0.06	0.05	0.07	0.12	0.04
Pb	34.00	28.00	42.00	40.00	28.00	20.00	26.00	27.00	100.00	28.00	66.00	43.00
Rb	157.00	168.00	156.00	136.00	144.00	90.00	122.00	111.00	100.00	143.00	141.00	186.00
Sb	3.00	7.00	6.00	3.00	1.00	1.00	3.00	5.00	4.00	5.00	4.00	2.00
Sc	6.00	8.00	9.00	10.00	8.00	6.00	6.00	7.00	5.00	12.00	12.00	8.00
Se	0.24	0.14	0.17	0.18	0.19	0.19	0.17	0.21	0.16	0.23	0.54	0.32
Sn	2.00	4.00	6.00	5.00	9.00	2.00	4.00	3.00	6.00	4.00	13.00	10.00
Sr	25.00	14.00	18.00	21.00	20.00	20.00	18.00	20.00	16.00	21.00	27.00	28.00
Th	22.00	24.00	21.00	22.00	16.00	14.00	15.00	19.00	23.00	18.00	29.00	24.00
TiO ₂	0.59	0.63	0.53	0.58	0.57	0.47	0.54	0.57	0.58	0.59	0.54	0.36
U	4.00	6.00	5.00	4.00	4.00	3.00	4.00	4.00	3.00	2.00	7.00	7.00
V	44.00	46.00	42.00	45.00	52.00	37.00	40.00	40.00	42.00	47.00	37.00	17.00
W	4.00	5.00	5.00	6.00	2.00	2.00	7.00	3.00	5.00	4.00	3.00	3.00
Y	37.00	42.00	33.00	30.00	27.00	19.00	26.00	26.00	31.00	28.00	48.00	42.00
Zn	33.00	33.00	36.00	53.00	41.00	25.00	39.00	34.00	35.00	40.00	171.00	73.00
Zr	596.00	1029.00	592.00	773.00	569.00	590.00	657.00	639.00	557.00	478.00	688.00	1363.00

Sample	HK0037	HK0038	HK0039	HK0040	HK0041	HK0042	HK0043	HK0044	HK0045	HK0046	HK0047	HK0048
Ag	1.10	0.60	0.80	0.20	0.90	0.10	0.60	0.10	0.10	0.20	0.20	0.40
As	38.00	37.00	52.00	9.00	31.00	21.00	10.00	1.00	5.00	7.00	15.00	24.00
Ba	346.00	332.00	354.00	258.00	381.00	323.00	318.00	335.00	381.00	254.00	297.00	362.00
Bi	4.00	4.00	5.00	3.00	6.00	4.00	2.00	2.00	3.00	1.00	10.00	14.00
CaO	0.46	0.41	0.37	0.19	0.26	0.26	0.28	0.17	0.17	0.19	0.19	0.19
Cd	3.50	2.80	3.80	0.20	0.90	0.70	0.20	0.20	0.30	0.40	0.50	0.90
Ce	132.00	117.00	105.00	61.00	57.00	99.00	45.00	36.00	37.00	35.00	48.00	61.00
Co	10.20	12.60	9.50	0.90	10.00	5.40	4.50	3.60	3.80	3.40	4.90	10.30
Cr	77.00	35.00	25.00	26.00	42.00	25.00	30.00	31.00	33.00	28.00	37.00	42.00
Cs	11.00	12.00	12.00	7.00	9.00	14.00	7.00	11.00	11.00	18.00	9.00	18.00
Cu	49.20	37.30	39.60	3.70	57.00	17.80	12.10	5.40	5.60	4.80	30.50	50.60
Fe ₂ O ₃	4.72	4.70	4.66	2.01	4.34	4.20	2.32	2.04	2.32	1.65	4.31	5.17
Ga	15.00	14.00	14.00	9.00	10.00	13.00	8.00	7.00	7.00	7.00	9.00	12.00
Ge	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00	1.00
Hg	0.37	0.69	0.65	0.58	0.56	0.55	0.58	0.44	0.52	0.31	0.52	0.57
La	67.00	62.00	47.00	25.00	26.00	39.00	20.00	20.00	17.00	19.00	20.00	27.00
MnO	0.36	0.33	0.32	0.08	0.21	0.08	0.10	0.09	0.09	0.09	0.11	0.19
Mo	1.00	0.60	0.80	0.40	1.00	0.60	0.40	0.10	0.20	0.00	0.80	4.70
Nb	21.00	19.00	23.00	18.00	12.00	23.00	16.00	13.00	14.00	14.00	14.00	18.00
Ni	26.00	30.00	23.00	8.00	16.00	11.00	10.00	8.00	12.00	9.00	15.00	12.00
P ₂ O ₅	0.15	0.15	0.12	0.05	0.12	0.06	0.10	0.07	0.06	0.06	0.08	0.10
Pb	93.00	101.00	104.00	23.00	100.00	57.00	96.00	86.00	84.00	72.00	68.00	118.00
Rb	140.00	131.00	166.00	157.00	121.00	130.00	80.00	80.00	96.00	77.00	108.00	138.00
Sb	0.90	4.00	2.00	0.90	2.00	1.00	4.00	0.90	0.90	0.90	2.00	0.90
Sc	13.00	12.00	10.00	10.00	13.00	8.00	7.00	6.00	5.00	2.00	5.00	11.00
Se	1.10	0.80	0.55	0.16	0.90	0.18	0.28	0.22	0.23	0.16	0.30	0.33
Sn	11.00	16.00	22.00	11.00	34.00	13.00	26.00	14.00	9.00	21.00	112.00	138.00
Sr	28.00	26.00	31.00	19.00	12.00	29.00	12.00	9.00	10.00	9.00	12.00	14.00
Th	23.00	23.00	25.00	13.00	10.00	26.00	9.00	16.00	11.00	7.00	15.00	21.00
TiO ₂	0.45	0.59	0.47	0.50	0.62	0.56	0.62	0.59	0.58	0.55	0.48	0.66
U	10.00	10.00	7.00	4.00	2.00	5.00	3.00	1.00	2.00	1.00	4.00	3.00
V	33.00	49.00	33.00	31.00	51.00	39.00	34.00	34.00	36.00	29.00	41.00	57.00
W	8.00	4.00	12.00	4.00	3.00	7.00	3.00	2.00	5.00	6.00	2.00	14.00
Y	59.00	51.00	46.00	39.00	25.00	34.00	25.00	21.00	25.00	27.00	23.00	29.00
Zn	225.00	224.00	249.00	35.00	263.00	80.00	78.00	49.00	52.00	55.00	131.00	142.00
Zr	479.00	473.00	759.00	1889.00	399.00	980.00	611.00	478.00	502.00	528.00	403.00	472.00

Sample	HK0049	HK0050	HK0101	HK0102	HK0103	HK0104	HK0105	HK0106	HK0107	HK0108	HK0109	HK0110
Ag	1.50	0.30	0.20	0.30	0.50	0.20	0.40	4.10	0.30	0.30	0.40	0.20
As	42.00	33.00	1.00	5.00	5.00	3.00	1.00	4.00	2.00	5.00	4.00	5.00
Ba	8.00	163.00	694.00	538.00	438.00	307.00	249.00	46.00	75.00	110.00	113.00	117.00
Bi	158.00	73.00	3.00	2.00	6.00	7.00	68.00	15.00	9.00	6.00	6.00	7.00
CaO	0.19	0.37	0.68	0.47	0.43	0.34	0.21	0.23	0.19	0.26	0.20	0.20
Cd	2.20	1.20	0.20	0.20	0.20	0.50	0.20	0.20	0.20	0.30	0.40	0.10
Ce	58.00	67.00	145.00	117.00	143.00	235.00	198.00	114.00	91.00	159.00	81.00	205.00
Co	3.60	2.40	3.80	3.10	5.80	3.60	3.20	1.30	1.10	1.80	1.60	1.50
Cr	11.00	30.00	34.00	15.00	38.00	18.00	36.00	55.00	18.00	42.00	18.00	42.00
Cs	5.00	4.00	12.00	9.00	6.00	1.00	16.00	20.00	14.00	12.00	2.00	13.00
Cu	87.30	34.20	3.20	3.70	4.40	9.00	6.30	11.00	7.90	28.10	6.40	9.00
Fe ₂ O ₃	2.91	4.55	6.69	4.36	5.49	4.61	4.75	4.05	2.58	4.36	2.22	5.44
Ga	11.00	14.00	19.00	18.00	19.00	24.00	26.00	32.00	20.00	30.00	20.00	34.00
Ge	2.00	1.00	4.00	4.00	5.00	2.00	6.00	5.00	4.00	3.00	1.00	4.00
Hg	0.00	0.00	1.01	0.51	0.50	0.50	0.00	0.24	0.26	0.38	0.43	0.32
La	22.00	33.00	54.00	46.00	69.00	73.00	59.00	24.00	23.00	26.00	21.00	24.00
MnO	0.08	0.07	0.22	0.17	0.39	0.17	0.13	0.23	0.09	0.17	0.19	0.10
Mo	284.00	86.30	0.90	0.40	1.10	0.60	0.90	0.80	0.60	0.60	0.70	0.80
Nb	54.00	37.00	27.00	27.00	38.00	45.00	69.00	84.00	59.00	56.00	48.00	52.00
Ni	8.00	12.00	2.00	2.00	3.00	4.00	7.00	14.00	6.00	17.00	10.00	11.00
P ₂ O ₅	0.06	0.09	0.18	0.11	0.11	0.04	0.01	0.01	0.02	0.04	0.02	0.01
Pb	548.00	203.00	44.00	39.00	61.00	131.00	129.00	74.00	59.00	72.00	60.00	62.00
Rb	119.00	150.00	190.00	194.00	216.00	257.00	265.00	384.00	254.00	280.00	421.00	225.00
Sb	0.90	2.00	2.00	0.90	3.00	0.90	0.90	0.90	0.90	1.00	1.00	0.90
Sc	1.00	10.00	17.00	12.00	13.00	15.00	16.00	7.00	7.00	9.00	7.00	12.00
Se	0.00	0.00	0.18	0.32	0.53	0.56	0.13	0.36	0.40	0.63	0.40	0.68
Sn	585.00	547.00	25.00	12.00	89.00	68.00	1729.00	579.00	703.00	55.00	143.00	59.00
Sr	4.00	12.00	184.00	103.00	81.00	33.00	30.00	12.00	13.00	18.00	19.00	18.00
Th	62.00	53.00	29.00	28.00	36.00	67.00	93.00	110.00	78.00	86.00	51.00	103.00
TiO ₂	0.15	0.57	0.85	0.63	0.62	0.62	0.78	0.33	0.31	0.39	0.29	0.39
U	9.00	7.00	7.00	6.00	9.00	11.00	20.00	14.00	12.00	9.00	10.00	9.00
V	10.00	44.00	80.00	41.00	44.00	36.00	45.00	22.00	22.00	32.00	22.00	34.00
W	123.00	70.00	2.00	2.00	5.00	5.00	169.00	26.00	15.00	6.00	9.00	12.00
Y	79.00	55.00	44.00	39.00	61.00	56.00	74.00	109.00	83.00	78.00	77.00	61.00
Zn	320.00	92.00	111.00	80.00	106.00	210.00	164.00	161.00	88.00	127.00	97.00	90.00
Zr	344.00	684.00	3432.00	2065.00	1845.00	1492.00	4590.00	672.00	989.00	475.00	643.00	514.00

Sample	HK0111	HK0112	HK0113	HK0114	HK0115	HK0116	HK0117	HK0118	HK0119	HK0120	HK0121	HK0122
Ag	0.20	46.40	29.00	0.30	0.30	0.30	1.30	0.50	0.30	0.10	0.20	0.30
As	6.00	5.00	5.00	3.00	3.00	1.00	4.00	4.00	4.00	3.00	10.00	5.00
Ba	63.00	80.00	71.00	56.00	45.00	223.00	119.00	214.00	201.00	130.00	58.00	193.00
Bi	7.00	2.00	7.00	7.00	9.00	10.00	10.00	7.00	5.00	5.00	14.00	8.00
CaO	0.20	0.20	0.22	0.20	0.19	0.27	0.37	0.46	1.02	0.69	0.19	0.47
Cd	0.10	0.10	0.20	0.00	0.20	0.20	0.20	0.50	0.40	0.10	0.30	0.30
Ce	121.00	128.00	105.00	135.00	116.00	142.00	103.00	209.00	109.00	327.00	241.00	182.00
Co	1.30	1.80	1.70	1.20	1.30	1.80	1.60	3.00	1.90	3.20	1.70	2.80
Cr	27.00	53.00	30.00	20.00	31.00	13.00	16.00	60.00	28.00	101.00	102.00	49.00
Cs	3.00	4.00	11.00	1.00	12.00	14.00	6.00	12.00	7.00	16.00	13.00	1.00
Cu	8.10	228.90	103.40	6.60	5.70	10.20	102.60	63.80	32.30	6.90	6.10	15.80
Fe ₂ O ₃	4.93	3.73	3.86	3.46	3.87	3.22	3.48	4.25	2.87	4.95	4.98	4.74
Ga	32.00	26.00	28.00	28.00	30.00	20.00	24.00	23.00	22.00	28.00	31.00	28.00
Ge	3.00	4.00	6.00	2.00	5.00	5.00	4.00	4.00	4.00	3.00	2.00	2.00
Hg	0.33	0.29	0.26	0.33	0.39	0.56	0.43	0.58	1.01	1.05	0.96	0.97
La	8.00	26.00	21.00	11.00	15.00	29.00	35.00	47.00	68.00	32.00	17.00	49.00
MnO	0.07	0.07	0.10	0.07	0.08	0.10	0.15	0.17	0.12	0.09	0.07	0.22
Mo	1.10	0.70	1.50	0.90	1.00	0.70	0.70	1.40	7.40	0.90	0.70	0.90
Nb	60.00	46.00	49.00	50.00	56.00	50.00	58.00	43.00	43.00	62.00	70.00	51.00
Ni	11.00	12.00	10.00	9.00	9.00	8.00	19.00	19.00	13.00	5.00	8.00	9.00
P ₂ O ₅	0.01	0.09	0.02	0.02	0.01	0.06	0.10	0.22	0.23	0.02	0.01	0.10
Pb	50.00	230.00	81.00	54.00	90.00	43.00	73.00	112.00	60.00	151.00	101.00	114.00
Rb	178.00	310.00	295.00	278.00	272.00	299.00	362.00	336.00	449.00	193.00	110.00	298.00
Sb	0.90	2.00	2.00	3.00	3.00	0.90	4.00	4.00	0.90	2.00	2.00	2.00
Sc	10.00	8.00	8.00	7.00	8.00	9.00	8.00	10.00	8.00	14.00	11.00	11.00
Se	0.69	0.13	0.00	0.62	0.67	0.53	0.37	0.52	0.24	0.32	0.51	0.69
Sn	36.00	27.00	31.00	59.00	55.00	289.00	191.00	138.00	30.00	39.00	74.00	34.00
Sr	10.00	15.00	12.00	9.00	9.00	27.00	20.00	27.00	41.00	21.00	8.00	21.00
Th	95.00	74.00	80.00	82.00	88.00	54.00	70.00	64.00	57.00	75.00	102.00	79.00
TiO ₂	0.38	0.29	0.27	0.25	0.25	0.50	0.34	0.49	0.26	0.87	0.54	0.47
U	8.00	7.00	9.00	10.00	10.00	12.00	11.00	10.00	13.00	15.00	17.00	11.00
V	30.00	18.00	19.00	17.00	20.00	22.00	23.00	26.00	15.00	35.00	27.00	26.00
W	11.00	4.00	10.00	9.00	10.00	13.00	21.00	11.00	21.00	6.00	13.00	9.00
Y	59.00	67.00	70.00	62.00	74.00	83.00	79.00	71.00	130.00	60.00	93.00	83.00
Zn	154.00	132.00	232.00	81.00	128.00	94.00	190.00	321.00	160.00	91.00	92.00	219.00
Zr	536.00	412.00	474.00	560.00	412.00	1674.00	769.00	1035.00	397.00	2277.00	2048.00	706.00

Sample	HK0123	HK0124	HK0125	HK0126	HK0127	HK0128	HK0129	HK0130	HK0131	HK0132	HK0133	HK0134
Ag	0.30	0.20	0.30	0.20	0.30	0.30	0.20	0.20	0.30	0.30	0.30	0.30
As	5.00	5.00	5.00	5.00	4.00	4.00	4.00	4.00	6.00	7.00	7.00	7.00
Ba	96.00	71.00	243.00	20.00	60.00	67.00	44.00	224.00	238.00	377.00	368.00	392.00
Bi	5.00	4.00	8.00	5.00	7.00	4.00	3.00	7.00	9.00	7.00	4.00	5.00
CaO	0.25	0.22	0.46	0.17	0.19	0.20	0.21	0.57	0.66	0.47	0.61	0.64
Cd	0.30	0.20	0.70	0.20	0.20	0.40	0.20	0.20	0.50	0.60	0.60	0.50
Ce	129.00	137.00	218.00	143.00	91.00	96.00	109.00	88.00	123.00	126.00	130.00	119.00
Co	2.20	1.70	5.40	3.30	1.50	1.50	0.90	3.00	4.20	6.00	7.90	7.90
Cr	13.00	96.00	76.00	54.00	92.00	33.00	23.00	35.00	33.00	41.00	46.00	93.00
Cs	12.00	9.00	1.00	15.00	8.00	9.00	1.00	8.00	1.00	4.00	9.00	12.00
Cu	5.90	6.80	30.80	7.10	3.20	5.30	5.70	22.40	24.80	8.80	12.70	12.20
Fe ₂ O ₃	3.65	4.38	5.25	4.14	3.07	3.02	3.30	3.74	4.61	4.77	5.59	5.95
Ga	28.00	33.00	26.00	37.00	27.00	27.00	29.00	19.00	25.00	18.00	18.00	19.00
Ge	3.00	4.00	4.00	6.00	4.00	4.00	3.00	4.00	2.00	1.00	1.00	4.00
Hg	0.93	0.85	0.60	0.83	1.12	0.88	0.84	1.01	1.11	0.86	1.13	1.05
La	22.00	14.00	357.00	4.00	18.00	16.00	15.00	10.00	52.00	32.00	44.00	36.00
MnO	0.22	0.17	0.35	0.19	0.19	0.18	0.07	0.09	0.22	0.25	0.27	0.30
Mo	0.60	0.70	1.20	0.80	0.70	1.00	0.90	0.60	0.80	0.70	0.70	0.50
Nb	59.00	64.00	55.00	80.00	55.00	55.00	63.00	35.00	41.00	23.00	23.00	22.00
Ni	7.00	14.00	20.00	12.00	10.00	18.00	11.00	2.00	15.00	8.00	13.00	10.00
P ₂ O ₅	0.05	0.01	0.34	0.01	0.01	0.01	0.02	0.05	0.11	0.09	0.12	0.10
Pb	120.00	124.00	128.00	199.00	204.00	133.00	64.00	103.00	150.00	77.00	89.00	82.00
Rb	298.00	267.00	209.00	297.00	380.00	380.00	291.00	189.00	287.00	205.00	139.00	152.00
Sb	0.90	2.00	0.90	0.90	0.90	5.00	2.00	0.90	3.00	2.00	0.90	1.00
Sc	5.00	8.00	10.00	6.00	7.00	10.00	6.00	8.00	13.00	12.00	20.00	15.00
Se	0.58	0.60	0.74	0.65	0.42	0.57	0.79	0.44	0.57	0.71	0.71	0.61
Sn	40.00	32.00	73.00	34.00	36.00	34.00	30.00	79.00	90.00	115.00	189.00	151.00
Sr	15.00	14.00	19.00	9.00	12.00	13.00	10.00	37.00	34.00	46.00	39.00	41.00
Th	77.00	98.00	73.00	112.00	69.00	70.00	78.00	41.00	60.00	32.00	30.00	26.00
TiO ₂	0.28	0.34	0.61	0.25	0.20	0.21	0.26	0.67	0.49	1.02	1.13	1.12
U	10.00	10.00	14.00	12.00	10.00	10.00	10.00	8.00	12.00	8.00	7.00	7.00
V	19.00	23.00	30.00	14.00	15.00	18.00	22.00	47.00	40.00	68.00	85.00	83.00
W	4.00	4.00	9.00	6.00	8.00	9.00	12.00	6.00	5.00	7.00	6.00	2.00
Y	88.00	96.00	180.00	107.00	103.00	114.00	108.00	41.00	95.00	28.00	32.00	25.00
Zn	165.00	116.00	362.00	167.00	112.00	133.00	105.00	115.00	255.00	139.00	181.00	187.00
Zr	501.00	613.00	1694.00	399.00	391.00	387.00	478.00	1023.00	519.00	887.00	1111.00	783.00

Sample	HK0135	HK0136	HK0137	HK0138	HK0139	HK0140	HK0141	HK0142	HK0143	HK0144	HK0145	HK0146
Ag	0.20	0.40	0.30	0.40	0.30	0.10	0.30	0.20	0.20	0.40	0.20	0.20
As	7.00	4.00	8.00	4.00	3.00	5.00	2.00	5.00	5.00	6.00	3.00	4.00
Ba	336.00	47.00	332.00	233.00	306.00	136.00	415.00	459.00	335.00	253.00	299.00	278.00
Bi	5.00	5.00	5.00	4.00	7.00	6.00	6.00	4.00	6.00	11.00	6.00	5.00
CaO	0.49	0.25	0.37	0.72	0.54	0.29	0.25	0.28	0.33	0.26	0.29	0.32
Cd	0.40	0.50	0.30	0.60	0.50	0.10	0.20	0.20	0.20	0.50	0.20	0.40
Ce	106.00	154.00	136.00	93.00	110.00	60.00	66.00	76.00	92.00	98.00	169.00	160.00
Co	6.60	0.70	7.40	3.80	12.90	3.30	8.50	10.10	7.50	12.10	3.40	2.50
Cr	47.00	18.00	111.00	33.00	40.00	19.00	60.00	64.00	62.00	45.00	15.00	16.00
Cs	4.00	1.00	13.00	1.00	9.00	4.00	20.00	14.00	11.00	13.00	10.00	1.00
Cu	10.00	6.50	11.80	35.00	61.70	29.40	40.20	50.70	38.00	37.90	26.50	16.10
Fe ₂ O ₃	5.32	2.31	5.15	4.21	7.42	2.81	5.33	5.88	4.56	4.42	4.51	3.73
Ga	17.00	26.00	22.00	21.00	22.00	15.00	16.00	18.00	15.00	14.00	24.00	21.00
Ge	4.00	3.00	4.00	4.00	5.00	3.00	5.00	2.00	5.00	5.00	5.00	4.00
Hg	0.96	0.98	1.12	1.01	1.27	1.22	0.92	0.89	1.05	1.17	0.88	1.05
La	29.00	52.00	45.00	20.00	52.00	4.00	28.00	37.00	28.00	16.00	106.00	71.00
MnO	0.21	0.08	0.23	0.17	0.18	0.05	0.10	0.12	0.10	0.17	0.22	0.14
Mo	0.10	0.50	0.90	0.90	1.30	0.80	2.50	2.70	2.40	1.50	0.50	1.00
Nb	23.00	66.00	27.00	40.00	24.00	18.00	15.00	16.00	15.00	16.00	47.00	45.00
Ni	7.00	16.00	14.00	17.00	12.00	2.00	23.00	25.00	15.00	10.00	10.00	8.00
P ₂ O ₅	0.09	0.05	0.09	0.23	0.13	0.05	0.08	0.09	0.13	0.09	0.07	0.07
Pb	75.00	201.00	82.00	132.00	73.00	38.00	54.00	62.00	60.00	91.00	184.00	135.00
Rb	139.00	442.00	185.00	297.00	173.00	114.00	208.00	222.00	161.00	82.00	358.00	278.00
Sb	2.00	2.00	0.90	2.00	0.90	0.90	2.00	0.90	0.90	2.00	0.90	1.00
Sc	14.00	7.00	15.00	11.00	21.00	8.00	19.00	14.00	15.00	12.00	10.00	11.00
Se	0.57	0.84	0.66	0.27	0.27	0.31	0.00	0.00	0.13	0.38	0.12	0.17
Sn	250.00	100.00	44.00	93.00	28.00	10.00	24.00	17.00	17.00	18.00	94.00	27.00
Sr	33.00	15.00	32.00	38.00	41.00	19.00	30.00	31.00	28.00	19.00	39.00	39.00
Th	26.00	108.00	38.00	56.00	25.00	20.00	15.00	16.00	18.00	20.00	52.00	51.00
TiO ₂	1.19	0.19	0.99	0.53	1.40	0.34	0.84	0.98	0.69	0.70	0.60	0.49
U	6.00	21.00	9.00	12.00	6.00	3.00	4.00	4.00	5.00	4.00	9.00	7.00
V	81.00	15.00	74.00	42.00	107.00	28.00	77.00	82.00	61.00	60.00	33.00	25.00
W	3.00	9.00	2.00	3.00	8.00	2.00	9.00	9.00	6.00	10.00	9.00	5.00
Y	26.00	160.00	46.00	71.00	46.00	28.00	29.00	33.00	30.00	24.00	76.00	72.00
Zn	144.00	180.00	138.00	289.00	227.00	64.00	127.00	158.00	129.00	83.00	182.00	170.00
Zr	1311.00	601.00	606.00	682.00	735.00	249.00	417.00	439.00	332.00	404.00	1397.00	1204.00

Sample	HK0147	HK0148	HK0149	HK0150	HK0151	HK0152	HK0153	HK0154	HK0155	HK0156	HK0157	HK0158
Ag	0.10	0.20	0.10	0.10	0.10	0.10	1.30	0.10	0.50	0.50	0.20	0.30
As	1.00	2.00	2.00	4.00	3.00	5.00	1.00	1.00	4.00	2.00	1.00	2.00
Ba	360.00	545.00	353.00	141.00	140.00	124.00	262.00	332.00	272.00	397.00	221.00	200.00
Bi	3.00	2.00	2.00	3.00	4.00	4.00	2.00	1.00	6.00	5.00	26.00	23.00
CaO	7.14	0.37	0.51	0.37	0.32	0.36	0.35	0.50	0.29	0.37	0.19	0.18
Cd	0.40	0.30	0.10	0.30	0.10	0.10	0.10	0.20	3.30	1.60	0.40	0.40
Ce	170.00	199.00	157.00	137.00	166.00	126.00	175.00	199.00	138.00	241.00	233.00	205.00
Co	2.10	3.20	4.10	1.40	1.80	1.20	2.20	2.20	2.10	3.10	2.80	2.80
Cr	29.00	15.00	59.00	22.00	98.00	126.00	37.00	13.00	17.00	147.00	12.00	11.00
Cs	15.00	13.00	7.00	3.00	6.00	1.00	15.00	6.00	1.00	1.00	4.00	11.00
Cu	12.80	9.10	26.40	6.70	6.10	5.40	12.70	3.80	10.80	15.00	8.10	8.10
Fe ₂ O ₃	4.86	5.73	4.97	3.11	2.96	2.91	4.02	4.11	2.97	4.17	4.46	4.70
Ga	20.00	23.00	24.00	24.00	28.00	23.00	25.00	22.00	18.00	25.00	21.00	22.00
Ge	4.00	6.00	5.00	5.00	5.00	6.00	4.00	5.00	4.00	3.00	5.00	5.00
Hg	0.98	1.38	1.36	1.58	1.29	0.40	0.57	0.44	0.73	0.70	0.55	0.22
La	109.00	141.00	59.00	44.00	47.00	34.00	82.00	118.00	57.00	108.00	54.00	54.00
MnO	0.10	0.20	0.12	0.20	0.11	0.09	0.15	0.17	0.44	0.36	0.19	0.23
Mo	0.90	0.50	0.70	0.60	0.40	0.40	0.50	0.50	0.60	0.90	0.70	0.40
Nb	27.00	32.00	38.00	76.00	84.00	86.00	68.00	37.00	44.00	40.00	70.00	70.00
Ni	15.00	9.00	6.00	16.00	16.00	13.00	9.00	5.00	9.00	10.00	7.00	4.00
P ₂ O ₅	0.08	0.04	0.09	0.05	0.05	0.06	0.06	0.05	0.05	0.09	0.02	0.02
Pb	60.00	48.00	72.00	66.00	72.00	53.00	73.00	50.00	256.00	324.00	182.00	201.00
Rb	282.00	440.00	290.00	436.00	431.00	396.00	340.00	317.00	279.00	365.00	241.00	280.00
Sb	0.90	1.00	2.00	2.00	0.90	4.00	4.00	0.90	0.90	1.00	0.90	0.90
Sc	10.00	19.00	12.00	10.00	5.00	6.00	13.00	11.00	9.00	10.00	12.00	15.00
Se	0.12	0.00	0.17	0.38	0.40	0.30	0.22	0.17	0.40	0.54	0.13	0.12
Sn	8.00	37.00	29.00	10.00	10.00	13.00	16.00	10.00	66.00	34.00	859.00	1203.00
Sr	97.00	74.00	53.00	26.00	26.00	24.00	61.00	89.00	28.00	43.00	19.00	23.00
Th	48.00	44.00	61.00	87.00	108.00	103.00	80.00	55.00	50.00	61.00	76.00	86.00
TiO ₂	0.41	0.75	0.61	0.27	0.29	0.26	0.42	0.49	0.50	0.53	0.82	0.91
U	10.00	12.00	11.00	19.00	16.00	16.00	12.00	14.00	10.00	12.00	19.00	17.00
V	33.00	50.00	47.00	20.00	20.00	20.00	30.00	31.00	24.00	29.00	35.00	37.00
W	6.00	2.00	4.00	9.00	15.00	7.00	8.00	5.00	7.00	11.00	50.00	22.00
Y	129.00	72.00	52.00	126.00	110.00	102.00	81.00	71.00	81.00	79.00	101.00	99.00
Zn	164.00	143.00	146.00	94.00	94.00	146.00	139.00	79.00	662.00	543.00	244.00	231.00
Zr	633.00	926.00	1362.00	758.00	966.00	1014.00	1098.00	999.00	1746.00	1219.00	4784.00	4506.00

Sample	HK0159	HK0160	HK0161	HK0162	HK0163	HK0164	HK0165	HK0166	HK0167	HK0168	HK0169	HK0170
Ag	0.40	0.30	0.20	0.30	0.20	0.20	0.20	0.20	0.20	0.40	0.20	0.50
As	3.00	3.00	3.00	4.00	4.00	3.00	3.00	4.00	3.00	4.00	4.00	7.00
Ba	195.00	326.00	231.00	323.00	245.00	284.00	256.00	264.00	194.00	231.00	124.00	324.00
Bi	5.00	5.00	5.00	4.00	6.00	4.00	4.00	4.00	7.00	7.00	11.00	12.00
CaO	0.23	0.44	0.54	0.40	0.40	0.47	0.38	0.59	0.66	1.14	0.29	0.44
Cd	1.10	1.10	0.40	1.00	0.30	0.70	0.30	0.40	0.40	0.60	0.50	1.90
Ce	211.00	109.00	84.00	107.00	104.00	132.00	81.00	93.00	274.00	162.00	76.00	119.00
Co	2.50	4.40	2.60	3.10	2.30	2.10	2.10	2.10	3.70	3.00	3.10	8.10
Cr	93.00	19.00	15.00	19.00	20.00	15.00	23.00	18.00	78.00	25.00	42.00	30.00
Cs	17.00	4.00	1.00	13.00	5.00	11.00	10.00	8.00	7.00	1.00	9.00	1.00
Cu	7.00	7.50	16.30	8.30	10.70	11.30	9.40	22.90	18.20	39.40	13.30	15.10
Fe ₂ O ₃	3.86	3.77	3.59	2.72	2.95	2.91	2.93	3.03	4.66	4.21	3.27	4.21
Ga	24.00	18.00	22.00	18.00	19.00	22.00	20.00	19.00	28.00	22.00	22.00	18.00
Ge	2.00	3.00	4.00	3.00	3.00	5.00	3.00	6.00	4.00	2.00	3.00	3.00
Hg	0.57	0.49	0.49	0.48	0.24	0.29	0.76	0.66	0.70	0.59	0.60	0.00
La	45.00	25.00	16.00	24.00	29.00	34.00	14.00	36.00	79.00	45.00	16.00	40.00
MnO	0.39	0.22	0.11	0.20	0.12	0.13	0.11	0.11	0.21	0.13	0.10	0.27
Mo	0.20	0.60	0.90	0.80	0.50	0.50	0.80	0.70	0.60	1.20	1.10	1.70
Nb	51.00	30.00	38.00	31.00	39.00	41.00	36.00	38.00	45.00	43.00	32.00	24.00
Ni	8.00	6.00	10.00	6.00	9.00	9.00	5.00	10.00	18.00	14.00	7.00	4.00
P ₂ O ₅	0.04	0.06	0.17	0.07	0.08	0.10	0.06	0.22	0.28	0.41	0.04	0.08
Pb	330.00	123.00	95.00	105.00	87.00	84.00	75.00	92.00	140.00	146.00	164.00	202.00
Rb	222.00	215.00	357.00	302.00	335.00	390.00	366.00	356.00	296.00	288.00	197.00	120.00
Sb	4.00	2.00	3.00	2.00	1.00	0.90	0.90	4.00	6.00	3.00	0.90	2.00
Sc	12.00	12.00	10.00	9.00	7.00	5.00	6.00	10.00	9.00	8.00	11.00	10.00
Se	0.48	0.38	0.17	0.37	0.13	0.25	0.00	0.00	0.45	0.00	0.33	0.12
Sn	41.00	23.00	68.00	15.00	120.00	37.00	63.00	108.00	108.00	576.00	30.00	34.00
Sr	21.00	38.00	33.00	38.00	30.00	32.00	32.00	31.00	27.00	37.00	18.00	32.00
Th	56.00	43.00	70.00	46.00	82.00	63.00	61.00	62.00	89.00	60.00	50.00	31.00
TiO ₂	0.63	0.63	0.37	0.43	0.43	0.28	0.31	0.33	0.39	0.43	0.39	0.80
U	11.00	9.00	10.00	10.00	11.00	10.00	9.00	8.00	9.00	9.00	9.00	5.00
V	33.00	45.00	24.00	29.00	27.00	17.00	20.00	18.00	22.00	24.00	33.00	61.00
W	8.00	4.00	3.00	3.00	7.00	2.00	7.00	2.00	2.00	4.00	9.00	7.00
Y	73.00	48.00	69.00	53.00	77.00	81.00	58.00	66.00	97.00	80.00	63.00	42.00
Zn	230.00	197.00	233.00	214.00	145.00	191.00	141.00	214.00	310.00	740.00	120.00	245.00
Zr	1796.00	786.00	605.00	663.00	1086.00	652.00	627.00	603.00	625.00	714.00	535.00	659.00

Sample	HK0171	HK0172	HK0173	HK0174	HK0175	HK0176	HK0177	HK0178	HK0179	HK0180	HK0181	HK0182
Ag	0.10	0.10	0.10	0.20	0.30	0.40	0.20	0.10	0.10	0.20	0.30	0.30
As	2.00	5.00	2.00	6.00	1.00	4.00	3.00	4.00	1.00	3.00	2.00	4.00
Ba	414.00	255.00	70.00	96.00	70.00	86.00	270.00	350.00	331.00	426.00	448.00	383.00
Bi	10.00	7.00	9.00	15.00	15.00	9.00	11.00	24.00	21.00	24.00	15.00	34.00
CaO	0.25	0.28	0.22	0.31	0.29	0.34	0.31	0.49	0.64	0.45	0.70	0.48
Cd	0.10	0.20	0.30	0.20	0.20	0.90	0.10	0.30	0.10	0.20	0.20	0.30
Ce	97.00	88.00	105.00	135.00	141.00	117.00	87.00	191.00	113.00	172.00	127.00	142.00
Co	15.90	9.90	1.10	1.60	1.10	1.70	3.60	6.60	5.80	7.70	8.20	8.30
Cr	158.00	49.00	22.00	66.00	22.00	26.00	22.00	29.00	51.00	30.00	31.00	70.00
Cs	45.00	12.00	1.00	8.00	9.00	1.00	6.00	4.00	7.00	15.00	11.00	17.00
Cu	59.20	38.30	6.40	10.50	9.60	19.00	4.80	6.70	4.10	6.80	5.90	4.30
Fe ₂ O ₃	7.78	4.80	2.45	3.67	2.78	3.06	4.07	5.19	5.21	6.33	6.03	6.98
Ga	20.00	15.00	15.00	28.00	22.00	22.00	21.00	17.00	16.00	21.00	18.00	21.00
Ge	5.00	2.00	10.00	3.00	5.00	5.00	4.00	1.00	4.00	3.00	2.00	2.00
Hg	0.17	0.00	0.68	0.70	0.49	0.51	0.43	0.44	0.48	0.52	0.00	0.35
La	54.00	33.00	38.00	34.00	73.00	39.00	35.00	51.00	28.00	66.00	47.00	33.00
MnO	0.18	0.10	0.08	0.19	0.17	0.44	0.14	0.21	0.19	0.19	0.26	0.32
Mo	4.00	3.50	53.30	3.60	20.80	20.00	9.30	2.20	0.80	2.30	0.70	2.50
Nb	19.00	16.00	41.00	59.00	63.00	43.00	33.00	16.00	30.00	28.00	19.00	18.00
Ni	54.00	20.00	4.00	16.00	16.00	18.00	10.00	8.00	8.00	13.00	12.00	13.00
P ₂ O ₅	0.09	0.06	0.02	0.03	0.03	0.06	0.04	0.07	0.08	0.09	0.10	0.09
Pb	113.00	82.00	29.00	52.00	67.00	82.00	72.00	45.00	52.00	52.00	38.00	52.00
Rb	365.00	162.00	324.00	273.00	462.00	372.00	379.00	155.00	236.00	256.00	235.00	274.00
Sb	0.90	0.90	2.00	3.00	2.00	0.90	2.00	5.00	2.00	0.90	0.90	1.00
Sc	22.00	15.00	7.00	10.00	5.00	10.00	9.00	17.00	14.00	17.00	15.00	20.00
Se	0.00	0.20	0.00	0.45	0.32	0.95	0.23	0.45	0.12	0.40	0.32	0.39
Sn	23.00	11.00	70.00	49.00	209.00	336.00	72.00	49.00	801.00	48.00	75.00	59.00
Sr	34.00	25.00	10.00	13.00	14.00	13.00	32.00	34.00	49.00	39.00	51.00	38.00
Th	19.00	16.00	68.00	85.00	107.00	64.00	47.00	25.00	28.00	42.00	25.00	31.00
TiO ₂	1.23	0.89	0.22	0.30	0.17	0.21	0.51	0.80	1.57	0.75	1.14	0.95
U	4.00	4.00	12.00	12.00	16.00	19.00	8.00	5.00	14.00	7.00	6.00	7.00
V	100.00	69.00	12.00	26.00	13.00	20.00	43.00	66.00	99.00	73.00	84.00	82.00
W	7.00	7.00	84.00	41.00	661.00	110.00	11.00	14.00	40.00	34.00	18.00	41.00
Y	54.00	39.00	56.00	102.00	135.00	103.00	54.00	28.00	42.00	50.00	29.00	24.00
Zn	173.00	105.00	203.00	80.00	82.00	399.00	100.00	102.00	128.00	109.00	130.00	132.00
Zr	329.00	432.00	672.00	520.00	655.00	301.00	615.00	582.00	6529.00	538.00	770.00	671.00

Sample	HK0183	HK0184	HK0185	HK0186	HK0187	HK0188	HK0189	HK0190	HK0191	HK0192	HK0193	HK0194
Ag	0.20	0.20	0.10	0.00	0.10	0.30	0.20	0.10	0.10	0.20	0.20	0.20
As	9.00	9.00	6.00	5.00	4.00	6.00	2.00	4.00	3.00	2.00	3.00	13.00
Ba	526.00	504.00	173.00	384.00	528.00	276.00	261.00	355.00	420.00	311.00	334.00	93.00
Bi	15.00	7.00	6.00	4.00	5.00	9.00	6.00	5.00	3.00	7.00	8.00	15.00
CaO	0.73	0.57	0.30	0.29	0.27	0.32	0.29	0.39	0.49	0.33	0.34	0.23
Cd	0.20	0.20	0.10	0.10	0.10	0.80	0.50	0.40	0.20	0.40	0.30	0.10
Ce	105.00	107.00	279.00	118.00	101.00	164.00	178.00	169.00	164.00	216.00	296.00	150.00
Co	8.00	7.70	3.40	1.50	1.80	2.50	2.70	2.60	1.90	2.70	3.40	1.50
Cr	32.00	21.00	50.00	11.00	27.00	7.00	5.00	13.00	17.00	12.00	37.00	19.00
Cs	15.00	18.00	16.00	17.00	19.00	19.00	12.00	24.00	21.00	27.00	22.00	20.00
Cu	4.50	5.60	10.30	10.40	2.30	14.60	13.00	10.30	3.40	8.40	38.20	8.60
Fe ₂ O ₃	7.10	5.98	5.12	4.07	4.80	4.41	4.35	5.13	3.83	4.60	6.81	7.43
Ga	15.00	14.00	24.00	17.00	17.00	21.00	21.00	21.00	19.00	23.00	30.00	38.00
Ge	2.00	2.00	2.00	3.00	1.00	1.00	1.00	2.00	1.00	2.00	2.00	2.00
Hg	0.50	0.45	0.55	0.62	0.69	0.33	0.46	0.43	0.61	0.57	0.66	0.00
La	51.00	39.00	131.00	52.00	67.00	74.00	81.00	83.00	79.00	170.00	192.00	33.00
MnO	0.24	0.21	0.12	0.08	0.10	0.28	0.17	0.17	0.11	0.17	0.19	0.13
Mo	0.80	0.30	0.60	0.60	0.30	0.70	0.50	1.10	0.70	0.80	0.50	2.10
Nb	20.00	22.00	49.00	41.00	36.00	40.00	43.00	43.00	43.00	48.00	58.00	63.00
Ni	22.00	15.00	20.00	14.00	15.00	16.00	12.00	18.00	18.00	22.00	22.00	20.00
P ₂ O ₅	0.09	0.09	0.04	0.04	0.03	0.05	0.04	0.06	0.06	0.04	0.06	0.02
Pb	34.00	36.00	121.00	50.00	41.00	177.00	121.00	84.00	48.00	168.00	402.00	49.00
Rb	259.00	216.00	231.00	238.00	242.00	307.00	283.00	267.00	280.00	352.00	404.00	193.00
Sb	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Sc	16.00	16.00	12.00	9.00	13.00	8.00	13.00	13.00	9.00	12.00	19.00	13.00
Se	0.19	0.22	0.27	0.21	0.00	0.18	0.00	0.15	0.25	0.24	0.12	0.49
Sn	129.00	110.00	21.00	39.00	6.00	90.00	35.00	79.00	10.00	217.00	223.00	40.00
Sr	61.00	54.00	27.00	68.00	93.00	38.00	33.00	60.00	91.00	45.00	39.00	13.00
Th	23.00	22.00	75.00	38.00	42.00	45.00	58.00	63.00	45.00	63.00	100.00	110.00
TiO ₂	1.12	1.20	0.46	0.64	0.79	0.43	0.53	0.63	0.68	0.57	0.70	0.42
U	7.00	8.00	10.00	10.00	11.00	10.00	9.00	11.00	12.00	16.00	18.00	7.00
V	84.00	77.00	19.00	32.00	44.00	23.00	26.00	36.00	37.00	28.00	35.00	30.00
W	20.00	10.00	11.00	7.00	10.00	8.00	9.00	11.00	6.00	12.00	13.00	31.00
Y	25.00	23.00	104.00	62.00	54.00	73.00	74.00	82.00	58.00	104.00	106.00	69.00
Zn	140.00	128.00	75.00	72.00	66.00	242.00	167.00	166.00	69.00	154.00	276.00	77.00
Zr	1309.00	1215.00	1167.00	1734.00	1789.00	1048.00	1128.00	1690.00	1763.00	1906.00	2551.00	433.00

Sample	HK0195	HK0196	HK0197	HK0198	HK0199	HK0200	HK0201	HK0202	HK0203	HK0204	HK0205	HK0206
Ag	0.30	0.20	0.20	0.30	0.10	0.30	0.30	0.20	0.60	0.40	0.20	0.30
As	11.00	13.00	13.00	10.00	9.00	4.00	7.00	14.00	22.00	10.00	2.00	7.00
Ba	159.00	70.00	67.00	87.00	31.00	230.00	397.00	344.00	373.00	513.00	414.00	357.00
Bi	14.00	15.00	19.00	19.00	5.00	7.00	7.00	8.00	5.00	5.00	6.00	7.00
CaO	0.24	0.31	0.25	0.31	0.23	0.44	0.77	0.62	1.19	0.51	0.60	0.35
Cd	0.10	0.10	0.10	0.20	0.20	0.40	0.40	0.40	0.70	0.50	0.30	0.30
Ce	161.00	113.00	129.00	127.00	81.00	113.00	93.00	95.00	116.00	90.00	85.00	98.00
Co	2.50	1.00	1.10	1.00	0.70	14.10	4.70	4.40	8.20	8.20	7.50	9.20
Cr	16.00	59.00	29.00	18.00	10.00	22.00	20.00	26.00	83.00	97.00	24.00	63.00
Cs	23.00	27.00	30.00	17.00	13.00	22.00	20.00	9.00	18.00	29.00	17.00	22.00
Cu	5.30	9.10	8.20	7.90	2.80	47.60	16.00	19.40	11.50	11.40	10.30	8.10
Fe ₂ O ₃	6.16	6.40	5.94	6.10	3.49	10.49	5.75	6.55	5.99	6.32	6.05	6.66
Ga	36.00	37.00	35.00	34.00	31.00	20.00	17.00	18.00	18.00	16.00	16.00	17.00
Ge	2.00	3.00	4.00	3.00	2.00	2.00	2.00	2.00	2.00	1.00	3.00	1.00
Hg	0.26	0.00	0.00	0.00	0.00	0.75	0.47	0.61	0.64	1.04	1.02	1.08
La	62.00	27.00	28.00	30.00	25.00	47.00	28.00	36.00	42.00	35.00	40.00	36.00
MnO	0.25	0.12	0.14	0.13	0.04	0.19	0.20	0.16	0.43	0.27	0.20	0.23
Mo	2.10	1.10	1.70	1.80	3.00	0.70	0.60	0.70	0.90	0.40	0.80	0.60
Nb	72.00	81.00	78.00	73.00	82.00	33.00	19.00	21.00	17.00	20.00	22.00	20.00
Ni	28.00	20.00	22.00	28.00	25.00	14.00	19.00	18.00	19.00	19.00	21.00	24.00
P ₂ O ₅	0.02	0.03	0.03	0.03	0.02	0.11	0.08	0.08	0.09	0.09	0.08	0.09
Pb	87.00	42.00	57.00	52.00	46.00	55.00	61.00	84.00	86.00	76.00	60.00	58.00
Rb	404.00	188.00	245.00	229.00	428.00	149.00	209.00	244.00	207.00	177.00	212.00	129.00
Sb	0.90	0.90	0.90	2.00	0.90	2.00	0.90	0.90	0.90	2.00	0.90	0.90
Sc	11.00	14.00	11.00	13.00	12.00	27.00	16.00	15.00	14.00	17.00	18.00	17.00
Se	0.51	0.55	0.45	0.47	0.24	0.00	0.41	0.12	0.24	0.15	0.00	0.28
Sn	81.00	184.00	176.00	270.00	32.00	25.00	213.00	808.00	48.00	19.00	124.00	48.00
Sr	16.00	13.00	11.00	10.00	10.00	34.00	46.00	47.00	61.00	47.00	42.00	23.00
Th	120.00	111.00	107.00	105.00	93.00	19.00	29.00	34.00	27.00	25.00	31.00	21.00
TiO ₂	0.37	0.41	0.38	0.37	0.22	2.02	0.79	0.82	0.75	1.07	0.97	1.12
U	10.00	10.00	11.00	12.00	13.00	10.00	10.00	10.00	8.00	7.00	9.00	7.00
V	25.00	30.00	25.00	25.00	11.00	136.00	60.00	70.00	65.00	80.00	70.00	83.00
W	33.00	27.00	29.00	39.00	29.00	16.00	8.00	8.00	9.00	9.00	7.00	5.00
Y	131.00	85.00	100.00	80.00	111.00	42.00	21.00	26.00	30.00	28.00	36.00	25.00
Zn	91.00	78.00	85.00	142.00	191.00	193.00	119.00	182.00	360.00	209.00	153.00	152.00
Zr	460.00	575.00	695.00	591.00	446.00	989.00	862.00	943.00	632.00	1221.00	1037.00	696.00

Sample	HK0207	HK0208	HK0209	HK0210	HK0211	HK0212	HK0213	HK0214	HK0215	HK0216	HK0217	HK0218
Ag	0.30	0.20	0.10	0.10	0.40	0.30	0.20	0.40	0.30	0.30	0.40	0.30
As	3.00	9.00	10.00	10.00	9.00	5.00	12.00	19.00	12.00	17.00	8.00	9.00
Ba	306.00	247.00	359.00	384.00	300.00	579.00	386.00	441.00	342.00	391.00	378.00	385.00
Bi	9.00	12.00	13.00	6.00	10.00	5.00	6.00	5.00	8.00	6.00	5.00	4.00
CaO	0.29	0.30	0.39	0.42	0.55	0.91	0.71	1.04	0.90	0.76	0.71	0.67
Cd	0.10	0.10	0.20	0.20	0.20	0.50	0.20	1.00	0.50	0.50	0.60	0.60
Ce	102.00	140.00	138.00	105.00	115.00	53.00	77.00	106.00	176.00	78.00	76.00	92.00
Co	7.10	12.20	10.00	8.50	9.90	6.20	5.10	5.80	8.20	5.30	4.90	3.70
Cr	21.00	170.00	22.00	25.00	30.00	18.00	17.00	27.00	67.00	18.00	22.00	12.00
Cs	4.00	28.00	19.00	16.00	13.00	21.00	17.00	22.00	6.00	15.00	13.00	14.00
Cu	6.50	10.70	17.70	7.40	15.20	14.50	6.10	15.20	30.10	19.90	18.70	12.80
Fe ₂ O ₃	7.18	8.45	8.22	7.14	5.91	5.72	4.86	5.41	6.53	5.89	5.03	4.53
Ga	16.00	19.00	19.00	14.00	15.00	16.00	16.00	18.00	22.00	17.00	17.00	18.00
Ge	2.00	1.00	1.00	2.00	1.00	2.00	1.00	2.00	1.00	3.00	3.00	2.00
Hg	0.99	1.01	1.03	1.07	1.01	1.03	1.21	1.14	1.05	1.11	1.06	0.83
La	40.00	38.00	56.00	40.00	25.00	23.00	38.00	42.00	60.00	29.00	33.00	39.00
MnO	0.29	0.20	0.15	0.18	0.29	0.24	0.18	0.29	0.22	0.20	0.17	0.19
Mo	1.40	0.80	1.10	0.60	0.60	0.70	0.50	0.70	0.60	0.30	0.20	0.30
Nb	32.00	21.00	24.00	20.00	20.00	23.00	24.00	22.00	24.00	20.00	22.00	22.00
Ni	13.00	17.00	16.00	14.00	17.00	14.00	15.00	21.00	20.00	14.00	13.00	15.00
P ₂ O ₅	0.09	0.09	0.11	0.10	0.07	0.08	0.07	0.09	0.27	0.08	0.07	0.07
Pb	44.00	55.00	96.00	53.00	51.00	63.00	63.00	196.00	163.00	90.00	92.00	120.00
Rb	181.00	134.00	169.00	113.00	141.00	209.00	223.00	226.00	154.00	231.00	262.00	241.00
Sb	0.90	0.90	3.00	0.90	0.90	0.90	3.00	3.00	0.90	2.00	0.90	2.00
Sc	21.00	26.00	22.00	20.00	16.00	10.00	10.00	13.00	16.00	10.00	12.00	10.00
Se	0.18	0.38	0.27	0.23	0.39	0.12	0.11	0.15	0.15	0.14	0.18	0.19
Sn	195.00	41.00	89.00	38.00	88.00	122.00	109.00	49.00	21.00	261.00	1400.00	162.00
Sr	24.00	19.00	31.00	29.00	32.00	76.00	46.00	60.00	58.00	48.00	59.00	53.00
Th	23.00	26.00	26.00	20.00	29.00	23.00	25.00	29.00	45.00	24.00	32.00	38.00
TiO ₂	1.78	1.20	1.35	1.39	0.97	0.95	0.83	0.81	0.73	0.77	0.65	0.55
U	12.00	5.00	9.00	8.00	8.00	10.00	10.00	10.00	12.00	11.00	12.00	11.00
V	103.00	91.00	100.00	94.00	69.00	69.00	63.00	68.00	55.00	63.00	54.00	44.00
W	14.00	11.00	10.00	8.00	8.00	10.00	9.00	9.00	8.00	7.00	5.00	6.00
Y	40.00	22.00	31.00	21.00	26.00	28.00	29.00	29.00	51.00	27.00	31.00	32.00
Zn	103.00	80.00	135.00	97.00	96.00	195.00	124.00	258.00	312.00	260.00	189.00	267.00
Zr	2836.00	630.00	934.00	1026.00	1508.00	650.00	1115.00	857.00	704.00	1113.00	1358.00	723.00

Sample	HK0219	HK0220	HK0221	HK0222	HK0223	HK0224	HK0225	HK0226	HK0227	HK0228	HK0229	HK0230
Ag	0.20	0.20	0.30	0.20	0.20	0.20	0.40	0.30	0.30	0.30	0.90	0.60
As	6.00	9.00	5.00	11.00	8.00	9.00	13.00	8.00	10.00	4.00	14.00	5.00
Ba	407.00	360.00	432.00	427.00	466.00	439.00	365.00	413.00	336.00	441.00	427.00	353.00
Bi	5.00	6.00	5.00	5.00	9.00	8.00	8.00	8.00	11.00	13.00	10.00	7.00
CaO	0.68	0.70	0.74	0.60	0.59	0.57	0.44	0.55	0.47	0.58	0.86	0.66
Cd	0.50	0.50	1.10	0.20	0.10	0.10	0.20	0.10	0.10	0.10	1.60	0.60
Ce	72.00	71.00	112.00	96.00	107.00	84.00	129.00	86.00	69.00	104.00	134.00	104.00
Co	3.20	3.50	5.60	7.10	7.50	7.60	8.70	7.00	6.30	7.60	7.20	5.70
Cr	20.00	23.00	41.00	31.00	34.00	24.00	56.00	24.00	29.00	24.00	21.00	17.00
Cs	5.00	21.00	22.00	18.00	29.00	20.00	31.00	37.00	17.00	22.00	9.00	23.00
Cu	8.70	10.00	23.30	9.30	7.80	8.60	16.00	11.80	12.70	4.30	72.40	33.90
Fe ₂ O ₃	2.96	3.57	5.60	6.39	7.66	7.05	7.85	6.94	6.26	6.44	6.31	4.69
Ga	15.00	15.00	19.00	17.00	17.00	16.00	17.00	14.00	16.00	15.00	19.00	15.00
Ge	2.00	1.00	1.00	2.00	1.00	3.00	1.00	2.00	3.00	2.00	2.00	1.00
Hg	1.02	0.97	1.09	1.08	1.13	1.15	0.80	1.13	1.15	0.86	1.13	1.06
La	34.00	27.00	39.00	28.00	38.00	30.00	41.00	33.00	27.00	44.00	50.00	30.00
MnO	0.11	0.14	0.21	0.17	0.20	0.18	0.29	0.17	0.18	0.23	0.30	0.27
Mo	0.30	0.10	0.50	0.60	0.40	0.70	0.70	0.60	0.40	0.80	0.90	0.80
Nb	20.00	22.00	22.00	25.00	24.00	24.00	21.00	24.00	20.00	18.00	21.00	22.00
Ni	18.00	14.00	23.00	20.00	22.00	19.00	18.00	19.00	15.00	21.00	21.00	10.00
P ₂ O ₅	0.05	0.04	0.09	0.08	0.11	0.09	0.10	0.09	0.06	0.09	0.10	0.08
Pb	56.00	91.00	103.00	44.00	36.00	40.00	36.00	38.00	38.00	37.00	179.00	111.00
Rb	272.00	275.00	274.00	198.00	228.00	218.00	200.00	220.00	155.00	220.00	174.00	139.00
Sb	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	1.00	0.90	1.00	2.00
Sc	6.00	8.00	11.00	16.00	18.00	13.00	19.00	16.00	8.00	15.00	11.00	10.00
Se	0.15	0.00	0.40	0.14	0.26	0.24	0.19	0.13	0.16	0.18	0.40	0.28
Sn	657.00	1217.00	658.00	108.00	127.00	99.00	47.00	185.00	254.00	52.00	36.00	24.00
Sr	69.00	63.00	65.00	43.00	47.00	45.00	28.00	41.00	34.00	49.00	89.00	67.00
Th	30.00	37.00	38.00	21.00	21.00	22.00	21.00	20.00	25.00	20.00	36.00	29.00
TiO ₂	0.41	0.47	0.62	1.29	1.32	1.23	1.22	1.22	1.03	1.06	0.71	0.74
U	14.00	14.00	12.00	8.00	7.00	7.00	7.00	9.00	8.00	6.00	10.00	8.00
V	29.00	35.00	52.00	86.00	94.00	88.00	88.00	89.00	68.00	74.00	56.00	49.00
W	8.00	8.00	7.00	7.00	12.00	8.00	10.00	10.00	8.00	15.00	5.00	7.00
Y	29.00	30.00	33.00	25.00	27.00	26.00	28.00	27.00	25.00	24.00	37.00	26.00
Zn	146.00	188.00	281.00	116.00	127.00	121.00	89.00	112.00	82.00	118.00	299.00	133.00
Zr	986.00	1657.00	638.00	1563.00	956.00	1293.00	804.00	1533.00	1371.00	950.00	599.00	1110.00

Sample	HK0231	HK0232	HK0233	HK0234	HK0235	HK0236	HK0237	HK0238	HK0239	HK0240	HK0241	HK0242
Ag	0.40	0.30	0.30	0.50	0.30	0.60	0.30	6.50	0.20	0.20	0.20	0.00
As	10.00	11.00	8.00	9.00	11.00	10.00	10.00	8.00	8.00	4.00	8.00	9.00
Ba	46.00	51.00	50.00	29.00	83.00	13.00	111.00	284.00	255.00	352.00	95.00	54.00
Bi	5.00	5.00	6.00	6.00	6.00	8.00	7.00	22.00	10.00	9.00	8.00	7.00
CaO	0.28	0.21	0.22	0.20	0.25	0.17	0.45	0.47	0.59	0.63	0.28	0.28
Cd	0.00	0.00	0.00	0.00	0.10	0.00	0.20	0.30	0.30	0.60	0.10	0.00
Ce	116.00	101.00	121.00	167.00	152.00	173.00	132.00	207.00	294.00	259.00	119.00	177.00
Co	0.90	0.50	1.20	1.50	1.30	0.50	1.10	2.10	2.70	3.40	1.30	1.00
Cr	15.00	38.00	62.00	31.00	28.00	19.00	38.00	21.00	23.00	46.00	12.00	31.00
Cs	17.00	16.00	24.00	18.00	20.00	27.00	20.00	16.00	25.00	9.00	33.00	21.00
Cu	6.60	6.10	5.60	7.30	9.40	6.80	22.10	55.80	57.40	57.60	6.40	5.60
Fe ₂ O ₃	6.33	6.24	3.85	6.16	6.63	7.54	5.23	6.08	8.70	7.20	3.59	6.23
Ga	39.00	38.00	26.00	39.00	40.00	49.00	38.00	32.00	34.00	31.00	24.00	38.00
Ge	3.00	1.00	2.00	2.00	2.00	3.00	3.00	3.00	2.00	2.00	2.00	2.00
Hg	0.77	0.95	1.06	0.86	0.81	0.98	0.00	0.00	0.57	0.54	0.36	0.39
La	4.00	6.00	41.00	12.00	17.00	15.00	19.00	33.00	45.00	56.00	28.00	19.00
MnO	0.08	0.05	0.07	0.09	0.10	0.04	0.10	0.11	0.13	0.10	0.14	0.07
Mo	1.00	0.60	0.70	1.50	1.50	1.40	0.80	0.60	1.30	2.20	1.40	1.60
Nb	84.00	79.00	70.00	82.00	75.00	113.00	79.00	79.00	48.00	56.00	51.00	62.00
Ni	17.00	16.00	19.00	21.00	26.00	23.00	24.00	22.00	20.00	31.00	21.00	19.00
P ₂ O ₅	0.04	0.05	0.02	0.02	0.03	0.02	0.07	0.15	0.18	0.29	0.03	0.02
Pb	62.00	41.00	80.00	93.00	74.00	59.00	163.00	2256.00	105.00	163.00	60.00	53.00
Rb	112.00	114.00	330.00	189.00	173.00	86.00	168.00	257.00	194.00	281.00	399.00	170.00
Sb	0.90	0.90	0.90	0.90	2.00	0.90	0.90	188.00	3.00	2.00	0.90	1.00
Sc	11.00	10.00	10.00	11.00	14.00	17.00	11.00	14.00	17.00	14.00	9.00	11.00
Se	0.44	0.46	0.21	0.50	0.71	0.40	0.00	0.00	0.47	0.38	0.28	0.69
Sn	97.00	43.00	47.00	156.00	22.00	33.00	3276.00	8881.00	396.00	312.00	120.00	37.00
Sr	7.00	7.00	12.00	10.00	13.00	4.00	15.00	29.00	23.00	31.00	15.00	10.00
Th	128.00	121.00	102.00	141.00	130.00	184.00	108.00	86.00	84.00	87.00	80.00	127.00
TiO ₂	0.38	0.47	0.28	0.37	0.44	0.49	0.38	0.70	0.72	0.72	0.23	0.38
U	15.00	15.00	18.00	19.00	16.00	31.00	13.00	19.00	10.00	13.00	12.00	12.00
V	19.00	28.00	13.00	22.00	28.00	20.00	18.00	35.00	38.00	35.00	17.00	23.00
W	10.00	10.00	13.00	15.00	7.00	16.00	12.00	18.00	14.00	12.00	23.00	18.00
Y	77.00	94.00	107.00	110.00	106.00	147.00	89.00	87.00	55.00	77.00	83.00	59.00
Zn	66.00	55.00	64.00	85.00	79.00	48.00	195.00	318.00	359.00	576.00	72.00	68.00
Zr	696.00	841.00	871.00	1042.00	626.00	1815.00	825.00	3093.00	1363.00	1879.00	481.00	697.00

Sample	HK0243	HK0244	HK0245	HK0246	HK0247	HK0248	HK0249	HK0250	HK0251	HK0252	HK0253	HK0254
Ag	0.20	3.00	19.90	0.20	0.10	0.20	0.10	0.10	0.20	0.10	0.30	0.10
As	7.00	10.00	11.00	10.00	13.00	8.00	7.00	11.00	12.00	11.00	9.00	13.00
Ba	125.00	108.00	63.00	64.00	596.00	502.00	518.00	361.00	102.00	148.00	192.00	91.00
Bi	7.00	5.00	8.00	5.00	8.00	8.00	4.00	3.00	5.00	8.00	8.00	8.00
CaO	0.32	0.45	0.27	0.24	0.59	0.52	0.46	0.58	0.29	0.31	0.40	0.36
Cd	0.10	0.40	0.20	0.30	0.30	0.20	0.10	0.30	0.30	0.30	0.60	0.10
Ce	148.00	121.00	113.00	120.00	160.00	105.00	123.00	123.00	136.00	138.00	140.00	112.00
Co	1.50	1.80	1.40	0.80	6.20	7.90	10.60	8.70	2.00	1.50	1.90	1.60
Cr	92.00	31.00	13.00	15.00	70.00	19.00	170.00	100.00	33.00	68.00	78.00	98.00
Cs	14.00	18.00	19.00	8.00	17.00	22.00	18.00	2.00	14.00	13.00	21.00	3.00
Cu	7.20	118.30	287.10	12.60	6.40	8.00	12.00	8.50	9.00	9.10	8.80	10.90
Fe ₂ O ₃	4.84	4.24	4.30	4.43	5.96	6.21	8.17	6.93	3.50	4.26	3.95	4.34
Ga	24.00	27.00	26.00	23.00	17.00	15.00	19.00	16.00	22.00	25.00	24.00	24.00
Ge	2.00	1.00	1.00	1.00	1.00	2.00	2.00	3.00	2.00	2.00	2.00	1.00
Hg	0.86	0.79	0.72	0.78	1.10	1.11	1.15	0.93	0.87	0.72	0.00	0.73
La	35.00	24.00	30.00	25.00	96.00	40.00	60.00	42.00	43.00	41.00	60.00	26.00
MnO	0.15	0.10	0.12	0.12	0.23	0.24	0.21	0.24	0.21	0.16	0.23	0.12
Mo	0.90	1.30	0.60	0.50	0.50	0.60	1.10	0.80	0.50	1.20	0.70	0.80
Nb	47.00	46.00	49.00	43.00	16.00	24.00	22.00	19.00	53.00	53.00	47.00	47.00
Ni	14.00	25.00	20.00	13.00	23.00	16.00	22.00	19.00	17.00	31.00	22.00	20.00
P ₂ O ₅	0.08	0.07	0.04	0.04	0.10	0.11	0.12	0.10	0.04	0.04	0.04	0.04
Pb	74.00	78.00	120.00	49.00	35.00	38.00	41.00	53.00	86.00	58.00	102.00	57.00
Rb	176.00	317.00	307.00	118.00	252.00	206.00	216.00	152.00	271.00	303.00	364.00	203.00
Sb	2.00	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Sc	8.00	13.00	8.00	7.00	15.00	18.00	19.00	16.00	5.00	9.00	7.00	10.00
Se	0.28	0.42	0.13	0.44	0.45	0.28	0.42	0.48	0.82	0.56	0.42	0.52
Sn	39.00	29.00	87.00	43.00	53.00	95.00	54.00	105.00	1295.00	264.00	104.00	120.00
Sr	15.00	16.00	12.00	10.00	67.00	51.00	43.00	40.00	18.00	21.00	27.00	17.00
Th	86.00	72.00	89.00	80.00	22.00	18.00	26.00	19.00	68.00	71.00	78.00	66.00
TiO ₂	0.44	0.28	0.24	0.32	0.92	1.32	1.30	1.10	0.29	0.35	0.32	0.33
U	11.00	10.00	12.00	10.00	7.00	9.00	8.00	7.00	12.00	10.00	13.00	9.00
V	20.00	17.00	14.00	18.00	75.00	85.00	92.00	84.00	16.00	26.00	24.00	27.00
W	14.00	11.00	20.00	9.00	8.00	13.00	9.00	7.00	21.00	17.00	16.00	16.00
Y	56.00	66.00	72.00	51.00	32.00	27.00	40.00	28.00	83.00	86.00	71.00	65.00
Zn	130.00	406.00	485.00	156.00	144.00	133.00	170.00	163.00	105.00	118.00	157.00	100.00
Zr	886.00	446.00	565.00	676.00	681.00	1228.00	714.00	629.00	683.00	478.00	520.00	507.00

Sample	HK0255	HK0256	HK0257	HK0258	HK0259	HK0260	HK0261	HK0262	HK0263	HK0264	HK0265	HK0266
Ag	0.20	0.40	0.30	0.30	0.70	0.70	1.80	0.70	0.90	0.40	0.40	0.60
As	14.00	12.00	7.00	3.00	24.00	31.00	15.00	34.00	31.00	18.00	24.00	26.00
Ba	85.00	80.00	503.00	881.00	397.00	266.00	410.00	450.00	387.00	430.00	400.00	368.00
Bi	12.00	9.00	8.00	7.00	7.00	5.00	4.00	7.00	4.00	10.00	9.00	3.00
CaO	0.34	0.25	0.38	0.58	0.99	0.67	0.89	1.06	1.08	1.22	1.21	0.80
Cd	0.00	0.10	0.10	0.20	1.10	0.80	0.40	1.60	2.10	0.90	1.30	1.00
Ce	128.00	95.00	99.00	143.00	98.00	126.00	75.00	129.00	133.00	92.00	83.00	94.00
Co	2.00	1.90	2.80	5.20	5.40	5.00	3.80	5.20	5.20	5.20	6.10	6.60
Cr	244.00	31.00	16.00	55.00	19.00	48.00	21.00	20.00	15.00	15.00	10.00	8.00
Cs	12.00	24.00	12.00	18.00	6.00	16.00	19.00	20.00	12.00	13.00	14.00	27.00
Cu	11.90	12.40	5.30	3.40	22.60	13.60	14.70	9.10	27.80	15.40	21.00	15.90
Fe ₂ O ₃	4.42	3.96	4.28	8.06	5.51	6.37	4.29	4.27	4.64	5.28	5.47	5.71
Ga	23.00	21.00	19.00	19.00	22.00	20.00	17.00	16.00	18.00	19.00	13.00	22.00
Ge	2.00	1.00	3.00	2.00	1.00	1.00	2.00	1.00	2.00	1.00	1.00	2.00
Hg	0.00	0.76	1.08	1.33	0.00	0.00	1.18	0.00	0.88	0.00	0.17	1.13
La	22.00	20.00	46.00	58.00	39.00	47.00	34.00	53.00	48.00	37.00	29.00	49.00
MnO	0.13	0.12	0.16	0.21	0.46	0.25	0.18	0.61	0.52	0.27	0.41	0.29
Mo	0.80	1.20	0.70	0.90	1.30	0.80	0.30	0.50	0.80	0.40	0.70	0.60
Nb	51.00	47.00	59.00	19.00	26.00	24.00	28.00	19.00	18.00	30.00	13.00	27.00
Ni	22.00	21.00	16.00	14.00	16.00	20.00	15.00	17.00	15.00	15.00	11.00	16.00
P ₂ O ₅	0.04	0.03	0.07	0.19	0.10	0.11	0.09	0.10	0.11	0.08	0.09	0.09
Pb	62.00	58.00	42.00	49.00	1084.00	362.00	410.00	528.00	359.00	389.00	308.00	412.00
Rb	208.00	212.00	282.00	173.00	256.00	196.00	223.00	175.00	222.00	248.00	171.00	271.00
Sb	2.00	3.00	0.90	0.90	0.90	0.90	1.00	1.00	0.90	2.00	0.90	0.90
Sc	11.00	9.00	13.00	16.00	14.00	15.00	10.00	9.00	12.00	13.00	12.00	13.00
Se	0.69	0.63	0.31	0.22	0.27	1.14	0.27	0.83	0.59	0.17	0.31	0.42
Sn	95.00	79.00	20.00	9.00	17.00	8.00	12.00	8.00	17.00	17.00	7.00	27.00
Sr	17.00	15.00	60.00	230.00	65.00	32.00	56.00	42.00	48.00	62.00	36.00	43.00
Th	70.00	68.00	45.00	26.00	35.00	41.00	28.00	32.00	32.00	29.00	20.00	38.00
TiO ₂	0.32	0.31	0.71	0.94	1.05	0.94	1.34	0.72	0.66	1.25	0.80	1.14
U	11.00	9.00	11.00	7.00	12.00	11.00	13.00	9.00	10.00	13.00	7.00	11.00
V	28.00	26.00	35.00	78.00	71.00	71.00	72.00	54.00	54.00	73.00	44.00	71.00
W	14.00	14.00	12.00	5.00	10.00	9.00	14.00	9.00	6.00	10.00	6.00	10.00
Y	67.00	61.00	63.00	40.00	31.00	41.00	33.00	36.00	37.00	35.00	15.00	30.00
Zn	104.00	98.00	108.00	130.00	797.00	245.00	290.00	206.00	349.00	417.00	266.00	240.00
Zr	571.00	541.00	2293.00	3668.00	1422.00	631.00	2257.00	1801.00	1454.00	2831.00	501.00	1188.00

Sample	HK0267	HK0268	HK0269	HK0270	HK0271	HK0272	HK0273	HK0274	HK0275	HK0276	HK0277	HK0278
Ag	1.10	1.00	0.40	0.50	0.50	0.30	0.50	0.40	0.40	0.30	0.20	0.50
As	31.00	34.00	25.00	15.00	21.00	19.00	17.00	18.00	17.00	17.00	13.00	11.00
Ba	352.00	347.00	350.00	466.00	441.00	454.00	426.00	432.00	416.00	308.00	338.00	226.00
Bi	4.00	6.00	5.00	6.00	4.00	1.00	5.00	3.00	4.00	2.00	5.00	172.00
CaO	0.83	0.79	0.91	0.99	0.95	1.86	1.04	1.17	1.34	0.65	0.77	0.32
Cd	1.20	1.30	1.00	1.00	0.90	0.80	1.00	1.00	0.70	0.90	0.20	1.00
Ce	141.00	136.00	114.00	106.00	69.00	80.00	105.00	95.00	103.00	110.00	76.00	279.00
Co	7.80	7.60	6.00	2.50	3.90	3.40	4.10	3.50	4.90	5.00	2.90	4.30
Cr	32.00	34.00	13.00	13.00	17.00	15.00	15.00	12.00	17.00	62.00	18.00	24.00
Cs	9.00	8.00	4.00	15.00	8.00	2.00	2.00	6.00	10.00	6.00	14.00	1.00
Cu	23.60	17.60	22.40	10.40	12.10	7.30	12.00	16.10	8.40	19.80	6.80	29.20
Fe ₂ O ₃	6.48	6.59	5.64	3.24	4.28	3.34	4.54	4.62	4.48	5.16	3.66	7.81
Ga	21.00	22.00	21.00	14.00	15.00	15.00	14.00	17.00	18.00	16.00	15.00	29.00
Ge	1.00	3.00	1.00	2.00	1.00	1.00	1.00	1.00	3.00	1.00	1.00	4.00
Hg	0.72	0.78	0.00	0.52	0.00	0.00	0.71	0.47	0.61	0.62	0.65	0.00
La	48.00	47.00	41.00	32.00	33.00	28.00	32.00	33.00	28.00	25.00	29.00	104.00
MnO	0.40	0.41	0.35	0.16	0.32	0.17	0.27	0.21	0.23	0.22	0.14	0.28
Mo	0.60	1.00	0.60	0.60	0.40	0.30	0.40	0.30	0.20	0.60	0.20	28.10
Nb	28.00	29.00	27.00	21.00	20.00	20.00	20.00	22.00	21.00	22.00	28.00	62.00
Ni	18.00	24.00	13.00	13.00	12.00	13.00	13.00	14.00	14.00	12.00	11.00	19.00
P ₂ O ₅	0.14	0.14	0.08	0.09	0.07	0.06	0.09	0.08	0.08	0.07	0.05	0.04
Pb	406.00	399.00	487.00	211.00	275.00	107.00	197.00	75.00	150.00	87.00	60.00	168.00
Rb	231.00	232.00	284.00	233.00	267.00	199.00	229.00	205.00	230.00	153.00	216.00	317.00
Sb	1.00	0.90	4.00	0.90	3.00	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Sc	14.00	15.00	11.00	10.00	10.00	8.00	10.00	11.00	9.00	11.00	8.00	16.00
Se	0.96	0.66	0.31	0.47	0.18	0.34	0.44	0.53	0.39	0.53	0.00	0.21
Sn	31.00	45.00	33.00	26.00	33.00	32.00	33.00	139.00	37.00	228.00	70.00	404.00
Sr	41.00	40.00	48.00	54.00	52.00	69.00	48.00	59.00	68.00	35.00	44.00	20.00
Th	34.00	37.00	32.00	27.00	28.00	21.00	29.00	33.00	28.00	31.00	31.00	106.00
TiO ₂	1.18	1.19	1.01	0.79	0.72	0.79	0.73	0.78	0.69	0.77	0.74	0.62
U	12.00	10.00	10.00	13.00	10.00	9.00	8.00	8.00	8.00	8.00	10.00	15.00
V	85.00	87.00	75.00	58.00	59.00	59.00	58.00	61.00	61.00	64.00	56.00	36.00
W	10.00	11.00	10.00	5.00	4.00	9.00	3.00	6.00	6.00	3.00	7.00	271.00
Y	43.00	45.00	31.00	35.00	27.00	25.00	27.00	28.00	28.00	26.00	35.00	82.00
Zn	250.00	255.00	321.00	206.00	281.00	172.00	228.00	176.00	152.00	287.00	103.00	635.00
Zr	1363.00	1682.00	952.00	3515.00	2120.00	1340.00	1361.00	1056.00	797.00	1217.00	1886.00	1999.00

Sample	HK0279	HK0280	HK0281	HK0282	HK0283	HK0284	HK0285	HK0286	HK0287	HK0288	HK0289	HK0290
Ag	0.10	0.10	0.30	0.20	0.20	0.20	0.30	0.60	0.20	0.60	0.40	0.70
As	14.00	12.00	9.00	7.00	10.00	10.00	12.00	10.00	9.00	13.00	4.00	7.00
Ba	265.00	158.00	90.00	76.00	58.00	32.00	62.00	203.00	186.00	327.00	191.00	160.00
Bi	46.00	7.00	5.00	6.00	6.00	10.00	4.00	16.00	17.00	11.00	25.00	16.00
CaO	0.37	0.31	0.38	0.25	0.24	0.33	0.31	0.28	0.29	0.29	0.26	0.33
Cd	0.30	0.40	0.80	0.60	0.40	0.50	0.20	0.30	0.40	0.90	0.40	0.40
Ce	295.00	138.00	110.00	100.00	105.00	92.00	106.00	268.00	313.00	207.00	395.00	352.00
Co	2.90	1.30	0.90	0.50	0.70	0.50	1.00	4.30	3.80	2.60	6.50	5.90
Cr	11.00	14.00	10.00	8.00	29.00	13.00	16.00	10.00	16.00	16.00	105.00	12.00
Cs	9.00	7.00	2.00	6.00	9.00	6.00	21.00	10.00	14.00	15.00	16.00	24.00
Cu	7.60	5.30	9.00	4.00	5.00	9.70	8.10	9.50	14.20	7.00	9.20	9.10
Fe ₂ O ₃	6.14	3.02	2.47	2.35	1.87	1.99	3.15	6.92	6.98	5.24	17.35	15.31
Ga	23.00	17.00	23.00	26.00	20.00	21.00	31.00	26.00	30.00	22.00	30.00	28.00
Ge	2.00	1.00	1.00	2.00	1.00	3.00	5.00	3.00	2.00	2.00	2.00	2.00
Hg	0.00	0.00	0.46	0.28	0.00	0.56	0.56	0.23	0.62	0.60	1.11	0.95
La	112.00	38.00	46.00	27.00	41.00	28.00	26.00	45.00	85.00	56.00	43.00	40.00
MnO	0.21	0.13	0.25	0.09	0.12	0.13	0.14	0.31	0.24	0.44	0.53	0.48
Mo	3.60	1.50	1.90	1.30	2.00	2.10	1.40	0.40	0.80	0.60	1.70	1.00
Nb	54.00	54.00	63.00	76.00	76.00	75.00	176.00	58.00	56.00	47.00	47.00	50.00
Ni	16.00	19.00	21.00	22.00	21.00	23.00	25.00	14.00	14.00	18.00	12.00	13.00
P ₂ O ₅	0.03	0.02	0.03	0.01	0.01	0.03	0.01	0.02	0.03	0.03	0.02	0.04
Pb	92.00	64.00	70.00	60.00	60.00	80.00	54.00	182.00	198.00	120.00	157.00	167.00
Rb	279.00	346.00	492.00	531.00	536.00	503.00	625.00	254.00	238.00	292.00	262.00	176.00
Sb	2.00	0.90	0.90	0.90	0.90	0.90	0.90	2.00	0.90	0.90	1.00	1.00
Sc	13.00	8.00	4.00	5.00	1.00	6.00	13.00	15.00	15.00	9.00	18.00	17.00
Se	0.30	0.29	0.40	0.00	0.27	0.30	0.36	0.37	0.58	0.41	0.24	0.51
Sn	398.00	195.00	32.00	168.00	208.00	70.00	100.00	610.00	422.00	121.00	263.00	130.00
Sr	22.00	21.00	20.00	16.00	17.00	13.00	9.00	21.00	17.00	31.00	16.00	15.00
Th	77.00	60.00	69.00	114.00	124.00	78.00	97.00	76.00	85.00	54.00	73.00	75.00
TiO ₂	0.60	0.36	0.24	0.23	0.23	0.14	0.19	0.70	0.70	0.52	0.61	0.68
U	15.00	11.00	15.00	14.00	15.00	16.00	20.00	13.00	10.00	12.00	9.00	12.00
V	32.00	19.00	17.00	12.00	12.00	12.00	17.00	34.00	36.00	27.00	30.00	31.00
W	90.00	55.00	14.00	23.00	44.00	23.00	19.00	54.00	18.00	9.00	10.00	19.00
Y	99.00	86.00	112.00	119.00	120.00	125.00	148.00	67.00	76.00	67.00	46.00	55.00
Zn	145.00	177.00	192.00	158.00	144.00	167.00	89.00	184.00	272.00	265.00	185.00	182.00
Zr	2037.00	1408.00	461.00	969.00	1093.00	466.00	622.00	2438.00	1928.00	1540.00	1565.00	1607.00

Sample	HK0291	HK0292	HK0293	HK0294	HK0295	HK0296	HK0297	HK0298	HK0299	HK0300	HK0301	HK0302
Ag	0.40	0.40	0.40	0.20	0.00	0.30	0.30	0.10	0.10	0.50	0.20	0.20
As	17.00	15.00	14.00	10.00	17.00	13.00	15.00	13.00	13.00	14.00	12.00	14.00
Ba	315.00	568.00	544.00	510.00	427.00	686.00	413.00	513.00	415.00	564.00	346.00	398.00
Bi	1.00	4.00	5.00	4.00	2.00	2.00	8.00	3.00	7.00	3.00	3.00	1.00
CaO	0.69	0.72	0.44	0.65	0.32	0.65	1.12	0.28	0.33	1.14	0.32	0.39
Cd	0.70	1.30	0.10	1.00	0.00	0.50	1.40	0.00	0.10	1.90	0.10	0.10
Ce	104.00	122.00	112.00	91.00	83.00	112.00	97.00	87.00	97.00	136.00	94.00	89.00
Co	4.90	9.00	7.70	7.50	4.80	12.80	6.10	5.50	4.00	7.20	3.60	3.10
Cr	30.00	67.00	79.00	17.00	22.00	18.00	27.00	16.00	16.00	25.00	17.00	18.00
Cs	10.00	10.00	15.00	8.00	19.00	10.00	11.00	20.00	3.00	1.00	24.00	16.00
Cu	19.40	35.80	9.80	22.40	4.40	22.20	54.30	5.50	9.00	43.90	3.20	3.70
Fe ₂ O ₃	4.88	7.70	6.72	6.14	3.95	8.45	7.37	5.17	3.84	7.55	3.41	3.55
Ga	13.00	19.00	16.00	15.00	12.00	20.00	16.00	17.00	12.00	17.00	17.00	16.00
Ge	3.00	2.00	4.00	1.00	2.00	2.00	2.00	1.00	1.00	3.00	1.00	3.00
Hg	0.40	0.73	0.83	0.69	0.56	0.83	0.68	0.63	0.66	0.74	0.62	0.46
La	39.00	71.00	35.00	39.00	27.00	67.00	36.00	29.00	25.00	53.00	38.00	30.00
MnO	0.23	0.25	0.10	0.15	0.04	0.23	0.23	0.08	0.08	0.26	0.10	0.10
Mo	0.60	0.70	0.60	0.70	0.60	0.60	0.80	0.40	0.40	0.90	0.60	0.30
Nb	17.00	18.00	19.00	22.00	23.00	22.00	21.00	22.00	21.00	17.00	22.00	20.00
Ni	9.00	17.00	18.00	11.00	11.00	9.00	15.00	14.00	8.00	16.00	20.00	15.00
P ₂ O ₅	0.16	0.18	0.09	0.10	0.08	0.14	0.31	0.04	0.10	0.27	0.04	0.05
Pb	239.00	126.00	33.00	83.00	19.00	100.00	154.00	30.00	39.00	258.00	36.00	27.00
Rb	88.00	211.00	200.00	207.00	139.00	257.00	191.00	307.00	177.00	202.00	315.00	308.00
Sb	2.00	1.00	3.00	0.90	0.90	0.90	1.00	1.00	0.90	0.90	2.00	0.90
Sc	11.00	16.00	15.00	13.00	14.00	21.00	16.00	17.00	8.00	16.00	8.00	6.00
Se	0.20	0.25	0.17	0.00	0.00	0.00	0.23	0.00	0.22	0.17	0.17	0.30
Sn	108.00	88.00	24.00	192.00	11.00	51.00	347.00	4.00	19.00	163.00	8.00	5.00
Sr	36.00	48.00	33.00	52.00	31.00	52.00	43.00	43.00	36.00	66.00	46.00	54.00
Th	18.00	28.00	26.00	25.00	20.00	27.00	26.00	28.00	29.00	19.00	45.00	37.00
TiO ₂	0.74	0.94	1.12	1.03	1.14	1.15	0.92	0.75	0.78	0.93	0.44	0.43
U	6.00	7.00	8.00	8.00	7.00	8.00	7.00	7.00	8.00	7.00	10.00	9.00
V	66.00	82.00	85.00	78.00	71.00	103.00	73.00	61.00	54.00	79.00	35.00	38.00
W	6.00	5.00	3.00	3.00	5.00	9.00	13.00	6.00	5.00	5.00	12.00	2.00
Y	31.00	59.00	37.00	48.00	36.00	63.00	50.00	38.00	27.00	45.00	53.00	43.00
Zn	299.00	379.00	73.00	263.00	30.00	253.00	615.00	61.00	82.00	779.00	46.00	46.00
Zr	1028.00	437.00	737.00	879.00	1070.00	497.00	784.00	675.00	738.00	790.00	651.00	468.00

Sample	HK0303	HK0304	HK0305	HK0306	HK0307	HK0308	HK0309	HK0310	HK0311	HK0312	HK0313	HK0314
Ag	0.20	0.30	0.20	0.20	0.20	0.20	0.10	0.10	0.30	0.10	0.20	0.30
As	16.00	16.00	11.00	10.00	12.00	14.00	9.00	14.00	18.00	24.00	13.00	18.00
Ba	413.00	441.00	444.00	485.00	441.00	544.00	535.00	401.00	445.00	446.00	507.00	463.00
Bi	1.00	3.00	1.00	2.00	2.00	2.00	3.00	5.00	3.00	4.00	2.00	2.00
CaO	0.47	0.37	0.26	0.49	0.31	0.38	0.32	1.48	0.88	0.26	0.54	0.75
Cd	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.50	0.20	0.20	0.20
Ce	85.00	82.00	80.00	78.00	80.00	96.00	102.00	94.00	79.00	102.00	106.00	73.00
Co	4.30	4.80	4.80	5.10	4.60	6.90	5.80	4.60	5.30	3.40	4.00	2.70
Cr	17.00	14.00	26.00	13.00	16.00	16.00	17.00	31.00	21.00	15.00	15.00	18.00
Cs	16.00	19.00	22.00	15.00	14.00	14.00	8.00	9.00	8.00	11.00	16.00	15.00
Cu	3.50	4.90	5.60	4.80	3.70	4.80	4.40	51.90	29.00	5.60	3.80	3.50
Fe ₂ O ₃	3.84	3.94	4.15	4.40	4.30	6.16	5.76	4.78	5.02	4.18	5.08	3.70
Ga	15.00	15.00	16.00	16.00	17.00	18.00	19.00	12.00	16.00	16.00	15.00	12.00
Ge	2.00	3.00	1.00	1.00	3.00	1.00	4.00	3.00	3.00	2.00	1.00	1.00
Hg	0.54	0.51	0.60	0.45	0.95	1.35	1.18	1.11	0.81	1.08	1.00	0.93
La	28.00	20.00	33.00	30.00	36.00	46.00	41.00	29.00	31.00	25.00	35.00	20.00
MnO	0.10	0.11	0.09	0.10	0.09	0.12	0.10	0.20	0.17	0.06	0.12	0.11
Mo	0.20	0.30	0.10	0.40	0.30	0.90	0.40	0.30	0.50	0.40	0.70	0.40
Nb	20.00	19.00	22.00	19.00	20.00	21.00	22.00	49.00	23.00	21.00	18.00	16.00
Ni	15.00	10.00	13.00	15.00	12.00	16.00	16.00	13.00	6.00	10.00	15.00	13.00
P ₂ O ₅	0.06	0.05	0.04	0.08	0.04	0.06	0.05	0.35	0.14	0.04	0.11	0.13
Pb	34.00	30.00	36.00	33.00	33.00	30.00	25.00	105.00	139.00	22.00	17.00	18.00
Rb	248.00	252.00	283.00	260.00	279.00	326.00	317.00	136.00	204.00	186.00	203.00	162.00
Sb	0.90	0.90	3.00	0.90	0.90	3.00	0.90	0.90	0.90	0.90	2.00	0.90
Sc	9.00	8.00	7.00	8.00	12.00	11.00	14.00	12.00	12.00	12.00	8.00	6.00
Se	0.26	0.19	0.17	0.26	0.16	0.17	0.11	0.10	0.00	0.19	0.46	0.45
Sn	8.00	9.00	6.00	6.00	6.00	5.00	8.00	108.00	338.00	5.00	7.00	4.00
Sr	43.00	41.00	42.00	52.00	40.00	48.00	45.00	87.00	58.00	25.00	43.00	39.00
Th	31.00	27.00	33.00	28.00	31.00	33.00	32.00	20.00	28.00	26.00	31.00	18.00
TiO ₂	0.54	0.60	0.58	0.57	0.62	0.74	0.74	2.21	0.98	0.71	0.71	0.67
U	7.00	8.00	7.00	7.00	8.00	10.00	8.00	8.00	8.00	6.00	6.00	5.00
V	44.00	49.00	48.00	52.00	51.00	73.00	65.00	116.00	72.00	53.00	58.00	48.00
W	5.00	3.00	4.00	4.00	6.00	5.00	5.00	11.00	2.00	4.00	6.00	3.00
Y	31.00	30.00	41.00	39.00	41.00	55.00	51.00	35.00	37.00	39.00	39.00	28.00
Zn	50.00	52.00	47.00	53.00	48.00	68.00	65.00	178.00	237.00	52.00	61.00	54.00
Zr	445.00	646.00	793.00	544.00	545.00	469.00	618.00	3128.00	1332.00	875.00	529.00	649.00

Sample	HK0315	HK0316	HK0317	HK0318	HK0319	HK0320	HK0321	HK0322	HK0323	HK0324	HK0325	HK0326
Ag	0.20	0.10	0.20	0.10	0.20	0.10	0.20	0.10	0.50	0.10	0.10	0.10
As	18.00	17.00	16.00	14.00	15.00	17.00	17.00	15.00	14.00	14.00	14.00	18.00
Ba	408.00	408.00	458.00	468.00	410.00	461.00	404.00	443.00	432.00	446.00	423.00	423.00
Bi	4.00	2.00	1.00	2.00	3.00	3.00	6.00	2.00	3.00	3.00	2.00	3.00
CaO	0.41	0.36	0.39	0.48	0.45	0.31	0.74	0.52	0.35	0.27	0.41	0.52
Cd	0.20	0.20	0.10	0.10	0.10	0.20	0.20	0.20	0.10	0.10	0.10	0.20
Ce	96.00	109.00	96.00	60.00	77.00	105.00	100.00	85.00	83.00	79.00	79.00	98.00
Co	4.70	3.90	5.00	3.40	3.00	4.30	3.70	3.90	3.20	3.50	3.40	3.80
Cr	18.00	21.00	11.00	18.00	16.00	20.00	12.00	22.00	18.00	15.00	19.00	17.00
Cs	18.00	12.00	19.00	28.00	16.00	12.00	16.00	9.00	9.00	15.00	16.00	14.00
Cu	3.80	6.10	4.50	3.70	2.60	2.90	3.80	2.60	2.70	2.30	2.30	2.30
Fe ₂ O ₃	4.10	4.38	4.41	4.02	3.28	4.74	3.82	3.24	4.09	4.16	3.23	2.90
Ga	14.00	16.00	16.00	15.00	14.00	16.00	16.00	13.00	16.00	16.00	12.00	12.00
Ge	1.00	2.00	2.00	1.00	2.00	2.00	1.00	1.00	3.00	1.00	1.00	1.00
Hg	1.11	1.19	1.22	1.48	1.32	1.33	1.23	1.39	0.00	1.35	0.37	1.39
La	34.00	32.00	29.00	15.00	27.00	35.00	39.00	26.00	29.00	27.00	24.00	36.00
MnO	0.13	0.08	0.11	0.10	0.09	0.09	0.14	0.09	0.08	0.07	0.10	0.14
Mo	0.30	0.30	0.40	0.40	0.20	0.40	0.40	0.30	0.20	0.20	0.30	0.20
Nb	19.00	21.00	18.00	19.00	19.00	19.00	20.00	20.00	20.00	21.00	17.00	17.00
Ni	12.00	15.00	14.00	15.00	12.00	16.00	15.00	15.00	14.00	13.00	13.00	13.00
P ₂ O ₅	0.06	0.05	0.05	0.05	0.05	0.05	0.08	0.07	0.04	0.04	0.05	0.08
Pb	12.00	13.00	24.00	24.00	29.00	20.00	43.00	23.00	23.00	21.00	22.00	25.00
Rb	165.00	173.00	226.00	249.00	260.00	229.00	255.00	220.00	231.00	238.00	213.00	199.00
Sb	0.90	3.00	0.90	0.90	0.90	0.90	0.90	0.90	0.90	1.00	0.90	0.90
Sc	12.00	9.00	9.00	9.00	8.00	10.00	6.00	6.00	10.00	6.00	10.00	7.00
Se	0.51	0.51	0.46	0.23	0.25	0.44	0.45	0.36	0.36	0.28	0.28	0.34
Sn	4.00	7.00	5.00	6.00	10.00	6.00	7.00	7.00	6.00	7.00	6.00	7.00
Sr	23.00	21.00	40.00	62.00	72.00	34.00	63.00	72.00	47.00	46.00	53.00	57.00
Th	29.00	30.00	32.00	24.00	25.00	29.00	34.00	27.00	30.00	29.00	24.00	27.00
TiO ₂	0.77	0.86	0.65	0.57	0.50	0.67	0.53	0.61	0.64	0.68	0.59	0.57
U	5.00	6.00	5.00	8.00	9.00	8.00	14.00	8.00	8.00	6.00	9.00	7.00
V	56.00	59.00	54.00	50.00	39.00	57.00	43.00	44.00	51.00	51.00	44.00	39.00
W	5.00	5.00	2.00	3.00	4.00	7.00	6.00	5.00	9.00	8.00	3.00	4.00
Y	41.00	44.00	42.00	31.00	35.00	43.00	45.00	38.00	44.00	41.00	37.00	39.00
Zn	40.00	38.00	62.00	54.00	44.00	49.00	59.00	45.00	46.00	48.00	46.00	36.00
Zr	682.00	1000.00	437.00	507.00	984.00	585.00	525.00	802.00	1076.00	871.00	989.00	788.00

Sample	HK0327	HK0328	HK0329	HK0330	HK0331	HK0332	HK0333	HK0334	HK0335	HK0336	HK0337	HK0338
Ag	0.20	0.10	0.30	0.20	0.00	0.30	0.40	0.20	0.30	0.10	0.10	0.10
As	19.00	24.00	75.00	36.00	16.00	13.00	18.00	17.00	16.00	16.00	21.00	21.00
Ba	527.00	509.00	518.00	479.00	409.00	532.00	494.00	463.00	387.00	601.00	416.00	190.00
Bi	1.00	3.00	2.00	3.00	1.00	3.00	4.00	2.00	6.00	1.00	6.00	6.00
CaO	0.55	0.54	0.71	0.80	0.31	0.76	0.47	0.30	0.75	0.47	0.43	0.30
Cd	0.20	0.30	1.40	0.50	0.00	0.30	0.30	0.20	0.10	0.10	0.20	0.30
Ce	99.00	126.00	110.00	97.00	53.00	132.00	131.00	93.00	92.00	89.00	120.00	72.00
Co	4.40	13.90	9.50	11.60	7.00	8.00	6.10	3.40	4.90	7.40	11.90	5.90
Cr	15.00	17.00	30.00	22.00	21.00	75.00	22.00	18.00	32.00	24.00	22.00	23.00
Cs	25.00	1.00	6.00	6.00	10.00	14.00	18.00	25.00	16.00	1.00	13.00	13.00
Cu	3.80	30.00	15.80	17.30	11.80	11.90	14.80	7.30	8.80	9.10	8.00	24.70
Fe ₂ O ₃	4.45	6.78	7.86	6.75	3.67	7.45	6.05	5.53	3.73	5.48	6.56	5.04
Ga	17.00	15.00	15.00	14.00	7.00	20.00	17.00	18.00	11.00	14.00	15.00	12.00
Ge	3.00	2.00	5.00	2.00	3.00	1.00	3.00	3.00	1.00	4.00	3.00	2.00
Hg	1.35	1.55	1.62	1.61	0.92	1.51	1.39	1.44	1.19	1.27	1.40	1.20
La	33.00	67.00	54.00	28.00	11.00	63.00	56.00	36.00	23.00	31.00	54.00	46.00
MnO	0.13	0.18	0.35	0.24	0.08	0.21	0.17	0.11	0.10	0.15	0.18	0.11
Mo	0.40	0.70	0.60	0.90	0.30	0.40	0.60	0.40	0.30	0.60	0.40	0.50
Nb	18.00	18.00	17.00	17.00	20.00	20.00	21.00	25.00	19.00	18.00	30.00	32.00
Ni	18.00	15.00	16.00	17.00	7.00	15.00	13.00	13.00	10.00	12.00	13.00	12.00
P ₂ O ₅	0.08	0.23	0.24	0.24	0.05	0.10	0.12	0.06	0.06	0.07	0.20	0.21
Pb	25.00	60.00	40.00	51.00	30.00	40.00	56.00	32.00	52.00	31.00	41.00	32.00
Rb	269.00	170.00	130.00	140.00	124.00	207.00	199.00	221.00	132.00	158.00	158.00	132.00
Sb	0.90	0.90	0.90	3.00	0.90	2.00	4.00	4.00	4.00	1.00	3.00	7.00
Sc	6.00	18.00	11.00	13.00	13.00	21.00	14.00	13.00	11.00	14.00	22.00	12.00
Se	0.37	0.18	0.13	0.30	0.13	0.31	0.29	0.29	0.24	0.28	0.30	0.34
Sn	6.00	32.00	36.00	8.00	6.00	3.00	8.00	5.00	3.00	4.00	8.00	6.00
Sr	50.00	38.00	39.00	46.00	26.00	40.00	26.00	20.00	57.00	41.00	22.00	12.00
Th	29.00	21.00	19.00	22.00	15.00	25.00	29.00	27.00	17.00	15.00	24.00	23.00
TiO ₂	0.62	1.13	0.89	0.88	1.19	0.98	0.98	1.01	0.88	0.88	1.62	1.77
U	9.00	8.00	6.00	6.00	6.00	7.00	7.00	6.00	7.00	4.00	11.00	8.00
V	48.00	92.00	76.00	74.00	72.00	86.00	82.00	76.00	66.00	73.00	107.00	90.00
W	7.00	2.00	2.00	3.00	3.00	4.00	2.00	5.00	5.00	2.00	13.00	16.00
Y	39.00	62.00	44.00	33.00	24.00	54.00	50.00	41.00	34.00	33.00	56.00	46.00
Zn	65.00	206.00	281.00	195.00	38.00	134.00	147.00	60.00	52.00	40.00	107.00	75.00
Zr	539.00	1575.00	660.00	778.00	1331.00	542.00	1041.00	1005.00	1985.00	688.00	2960.00	1249.00

Sample	HK0339	HK0340	HK0341	HK0342	HK0343	HK0344	HK0345	HK0346	HK0347	HK0348	HK0349	HK0350
Ag	0.20	0.20	0.10	0.10	0.30	0.20	0.20	0.20	0.30	0.70	0.10	0.40
As	18.00	21.00	12.00	14.00	15.00	12.00	12.00	14.00	19.00	21.00	17.00	13.00
Ba	349.00	367.00	194.00	457.00	334.00	368.00	581.00	416.00	196.00	510.00	72.00	358.00
Bi	5.00	6.00	7.00	2.00	5.00	3.00	1.00	2.00	8.00	6.00	3.00	3.00
CaO	0.43	0.37	0.21	1.33	0.88	1.57	1.42	0.86	0.26	0.96	0.46	1.15
Cd	0.30	0.40	0.10	0.50	0.70	0.40	0.60	0.30	0.30	0.90	0.20	2.80
Ce	96.00	81.00	74.00	117.00	125.00	98.00	116.00	119.00	154.00	133.00	220.00	139.00
Co	11.90	10.70	2.80	8.40	7.20	9.00	6.00	5.90	7.60	13.30	3.30	6.70
Cr	24.00	82.00	20.00	25.00	28.00	17.00	13.00	24.00	18.00	32.00	43.00	20.00
Cs	10.00	11.00	10.00	18.00	2.00	4.00	13.00	11.00	11.00	13.00	19.00	10.00
Cu	37.70	74.60	3.20	11.80	20.30	6.10	10.30	7.20	40.00	23.70	10.80	7.70
Fe ₂ O ₃	6.54	7.11	2.66	5.78	6.76	5.88	5.13	4.86	4.79	8.86	5.46	4.50
Ga	13.00	14.00	8.00	17.00	18.00	13.00	18.00	16.00	16.00	20.00	17.00	15.00
Ge	2.00	2.00	3.00	2.00	2.00	3.00	2.00	1.00	1.00	3.00	1.00	3.00
Hg	1.30	1.22	1.02	1.28	1.38	1.16	1.46	1.09	0.92	1.36	0.92	0.94
La	25.00	41.00	27.00	41.00	40.00	26.00	29.00	46.00	46.00	47.00	11.00	38.00
MnO	0.19	0.20	0.03	0.16	0.18	0.17	0.13	0.13	0.09	0.22	0.05	0.26
Mo	0.70	0.60	0.30	0.40	0.90	0.50	0.90	0.50	0.50	0.80	0.40	0.60
Nb	20.00	20.00	31.00	28.00	26.00	33.00	21.00	23.00	22.00	22.00	25.00	20.00
Ni	15.00	15.00	5.00	12.00	16.00	8.00	13.00	17.00	10.00	17.00	11.00	18.00
P ₂ O ₅	0.16	0.15	0.09	0.14	0.15	0.10	0.08	0.08	0.08	0.18	0.05	0.09
Pb	39.00	42.00	18.00	178.00	199.00	149.00	137.00	104.00	235.00	397.00	105.00	217.00
Rb	142.00	150.00	100.00	203.00	147.00	113.00	280.00	196.00	147.00	191.00	122.00	145.00
Sb	4.00	5.00	0.90	3.00	0.90	0.90	4.00	3.00	0.90	0.90	1.00	4.00
Sc	15.00	16.00	10.00	18.00	23.00	16.00	13.00	12.00	9.00	18.00	14.00	12.00
Se	0.46	0.42	0.18	0.33	0.36	0.14	0.27	0.30	0.31	0.23	0.34	0.40
Sn	9.00	15.00	5.00	12.00	12.00	7.00	7.00	12.00	148.00	43.00	8.00	8.00
Sr	15.00	15.00	15.00	90.00	58.00	106.00	98.00	63.00	24.00	66.00	9.00	42.00
Th	21.00	18.00	17.00	24.00	27.00	17.00	31.00	30.00	44.00	31.00	32.00	22.00
TiO ₂	1.10	1.02	1.50	1.21	1.35	1.95	0.77	0.95	0.63	1.22	0.96	0.79
U	7.00	4.00	9.00	7.00	6.00	8.00	8.00	8.00	7.00	8.00	6.00	7.00
V	77.00	78.00	73.00	90.00	98.00	115.00	70.00	68.00	49.00	104.00	64.00	67.00
W	6.00	7.00	10.00	9.00	5.00	8.00	7.00	4.00	3.00	4.00	3.00	2.00
Y	38.00	37.00	35.00	43.00	38.00	35.00	31.00	32.00	31.00	42.00	16.00	26.00
Zn	140.00	132.00	29.00	170.00	210.00	162.00	140.00	79.00	129.00	310.00	46.00	246.00
Zr	646.00	525.00	3037.00	1042.00	1445.00	1721.00	680.00	796.00	641.00	601.00	712.00	855.00

Sample	HK0351	HK0352	HK0353	HK0354	HK0355	HK0356	HK0357	HK0358	HK0359	HK0360	HK0361	HK0362
Ag	1.10	0.70	0.20	0.20	0.10	0.10	0.40	0.20	0.30	0.50	0.20	0.20
As	11.00	8.00	8.00	7.00	6.00	13.00	10.00	7.00	9.00	8.00	7.00	8.00
Ba	280.00	350.00	365.00	457.00	466.00	383.00	533.00	391.00	361.00	436.00	420.00	450.00
Bi	4.00	5.00	7.00	4.00	6.00	7.00	6.00	4.00	6.00	3.00	5.00	4.00
CaO	1.20	1.27	1.59	1.26	1.29	1.14	1.18	0.67	1.40	1.34	1.26	1.52
Cd	1.00	2.40	1.00	0.40	0.50	0.30	1.70	0.70	1.20	1.60	0.80	1.00
Ce	90.00	142.00	132.00	104.00	112.00	73.00	114.00	97.00	117.00	111.00	90.00	81.00
Co	3.20	5.90	5.40	7.80	8.10	4.70	5.80	4.30	4.90	7.10	5.30	5.30
Cr	20.00	34.00	21.00	13.00	18.00	12.00	17.00	21.00	29.00	22.00	19.00	17.00
Cs	15.00	11.00	15.00	20.00	22.00	23.00	15.00	31.00	23.00	24.00	17.00	16.00
Cu	4.70	9.70	5.60	4.70	5.60	5.00	7.60	14.80	11.90	9.80	9.30	8.90
Fe ₂ O ₃	3.74	6.16	5.04	5.92	6.10	4.38	5.14	5.21	5.11	5.56	6.00	5.82
Ga	15.00	23.00	18.00	21.00	20.00	13.00	16.00	19.00	19.00	20.00	21.00	18.00
Ge	1.00	2.00	3.00	2.00	2.00	1.00	1.00	2.00	2.00	3.00	4.00	2.00
Hg	0.59	1.15	0.96	1.29	1.14	0.00	1.17	1.20	1.37	1.22	1.34	0.83
La	26.00	50.00	44.00	53.00	75.00	21.00	50.00	40.00	34.00	50.00	61.00	39.00
MnO	0.13	0.29	0.27	0.23	0.24	0.16	0.30	0.12	0.17	0.25	0.13	0.23
Mo	0.50	0.80	0.40	0.70	0.70	0.50	0.70	0.60	0.70	0.50	0.60	0.70
Nb	22.00	18.00	19.00	18.00	20.00	15.00	18.00	20.00	19.00	19.00	22.00	17.00
Ni	13.00	20.00	15.00	14.00	20.00	11.00	16.00	12.00	19.00	16.00	17.00	14.00
P ₂ O ₅	0.07	0.13	0.09	0.07	0.09	0.07	0.10	0.06	0.09	0.09	0.06	0.09
Pb	226.00	540.00	118.00	52.00	62.00	35.00	90.00	159.00	150.00	162.00	194.00	149.00
Rb	139.00	174.00	148.00	236.00	222.00	179.00	250.00	269.00	194.00	212.00	197.00	200.00
Sb	2.00	2.00	0.90	2.00	2.00	0.90	0.90	1.00	3.00	2.00	1.00	0.90
Sc	6.00	16.00	11.00	14.00	15.00	13.00	15.00	15.00	17.00	13.00	15.00	15.00
Se	0.31	0.58	0.33	0.12	0.21	0.00	0.37	0.20	0.30	0.31	0.23	0.18
Sn	4.00	8.00	9.00	7.00	6.00	8.00	10.00	3.00	10.00	9.00	10.00	8.00
Sr	31.00	56.00	64.00	75.00	70.00	43.00	75.00	46.00	64.00	70.00	70.00	71.00
Th	21.00	37.00	27.00	28.00	27.00	20.00	27.00	34.00	29.00	30.00	36.00	24.00
TiO ₂	0.78	0.73	0.76	0.77	0.82	0.66	0.63	0.73	0.74	0.73	0.92	0.71
U	10.00	9.00	9.00	8.00	9.00	8.00	9.00	11.00	9.00	9.00	10.00	8.00
V	52.00	61.00	58.00	67.00	70.00	45.00	54.00	62.00	63.00	64.00	68.00	54.00
W	4.00	7.00	10.00	8.00	7.00	6.00	5.00	5.00	6.00	4.00	4.00	2.00
Y	29.00	44.00	33.00	40.00	57.00	22.00	37.00	38.00	28.00	36.00	42.00	29.00
Zn	187.00	415.00	153.00	149.00	159.00	91.00	212.00	142.00	181.00	223.00	184.00	213.00
Zr	1674.00	491.00	1420.00	622.00	708.00	1256.00	1098.00	1433.00	808.00	603.00	620.00	622.00

Sample	HK0363	HK0364	HK0365	HK0366	HK0367	HK0368	HK0369	HK0370	HK0371	HK0372	HK0373	HK0374
Ag	0.50	0.20	0.00	0.60	1.30	0.40	0.80	0.60	2.80	0.90	0.30	0.70
As	9.00	11.00	11.00	33.00	15.00	6.00	40.00	21.00	42.00	30.00	9.00	13.00
Ba	409.00	409.00	404.00	472.00	487.00	522.00	549.00	566.00	595.00	482.00	424.00	280.00
Bi	5.00	5.00	6.00	1.00	7.00	4.00	5.00	4.00	7.00	9.00	15.00	9.00
CaO	1.88	0.98	0.81	1.67	3.09	2.02	1.62	2.68	1.22	1.85	1.45	1.28
Cd	2.10	0.70	0.20	2.30	2.90	2.50	3.10	2.50	3.90	4.30	2.30	2.80
Ce	116.00	107.00	88.00	107.00	65.00	73.00	107.00	119.00	104.00	100.00	90.00	67.00
Co	6.20	3.70	3.80	7.80	5.10	7.00	10.40	13.80	6.20	10.30	4.00	4.50
Cr	54.00	13.00	22.00	29.00	27.00	16.00	30.00	18.00	26.00	18.00	28.00	29.00
Cs	7.00	26.00	7.00	9.00	12.00	12.00	15.00	18.00	14.00	1.00	9.00	1.00
Cu	11.90	23.40	5.30	18.40	28.00	13.60	29.30	32.50	40.00	40.80	38.10	88.00
Fe ₂ O ₃	6.36	4.31	4.17	8.08	6.02	5.66	8.19	7.27	5.99	7.43	4.04	6.77
Ga	22.00	16.00	13.00	22.00	21.00	15.00	23.00	23.00	20.00	23.00	14.00	16.00
Ge	1.00	2.00	1.00	3.00	3.00	2.00	2.00	2.00	1.00	2.00	2.00	2.00
Hg	0.00	1.13	1.02	0.00	0.58	0.00	1.38	1.46	1.46	0.00	1.00	0.80
La	52.00	47.00	34.00	48.00	24.00	33.00	51.00	44.00	42.00	46.00	44.00	32.00
MnO	0.26	0.12	0.11	0.46	0.29	0.36	0.46	0.48	0.20	0.50	0.25	0.37
Mo	0.60	0.50	0.40	0.50	0.30	0.50	0.80	1.10	0.30	2.10	0.40	1.90
Nb	19.00	18.00	26.00	30.00	26.00	34.00	24.00	25.00	26.00	27.00	16.00	21.00
Ni	20.00	10.00	13.00	20.00	16.00	12.00	17.00	16.00	22.00	19.00	19.00	14.00
P ₂ O ₅	0.11	0.10	0.08	0.19	0.15	0.11	0.16	0.14	0.16	0.16	0.12	0.09
Pb	391.00	135.00	51.00	198.00	254.00	280.00	452.00	567.00	422.00	670.00	86.00	318.00
Rb	171.00	211.00	161.00	163.00	185.00	175.00	210.00	214.00	273.00	237.00	110.00	111.00
Sb	0.90	2.00	2.00	4.00	2.00	0.90	2.00	1.00	1.00	0.90	1.00	1.00
Sc	14.00	13.00	12.00	18.00	19.00	15.00	20.00	22.00	20.00	18.00	15.00	12.00
Se	0.76	0.33	0.39	0.75	0.15	0.12	0.29	0.23	0.26	0.24	0.24	0.24
Sn	10.00	13.00	10.00	13.00	54.00	19.00	36.00	31.00	39.00	106.00	116.00	793.00
Sr	75.00	57.00	40.00	73.00	144.00	100.00	84.00	108.00	69.00	89.00	88.00	61.00
Th	38.00	31.00	25.00	22.00	17.00	19.00	26.00	30.00	20.00	25.00	15.00	23.00
TiO ₂	0.74	0.76	1.21	1.72	1.44	1.91	1.35	1.27	1.28	1.40	0.86	0.90
U	10.00	11.00	11.00	9.00	9.00	8.00	7.00	9.00	11.00	9.00	4.00	8.00
V	66.00	59.00	68.00	115.00	100.00	100.00	102.00	100.00	88.00	102.00	59.00	64.00
W	7.00	8.00	10.00	12.00	13.00	10.00	9.00	17.00	12.00	13.00	12.00	16.00
Y	39.00	34.00	29.00	32.00	33.00	26.00	33.00	43.00	46.00	33.00	33.00	25.00
Zn	367.00	141.00	61.00	313.00	361.00	437.00	524.00	691.00	696.00	836.00	382.00	819.00
Zr	453.00	1872.00	2345.00	1315.00	1357.00	1524.00	825.00	1241.00	1006.00	1208.00	567.00	1303.00

Sample	HK0375	HK0376	HK0377	HK0378	HK0379	HK0380	HK0381	HK0382	HK0383	HK0384	HK0385	HK0386
Ag	0.80	0.80	0.70	0.70	0.70	0.50	0.50	0.40	0.20	0.10	0.20	0.10
As	13.00	13.00	12.00	23.00	11.00	5.00	4.00	7.00	10.00	17.00	13.00	16.00
Ba	352.00	317.00	290.00	471.00	388.00	449.00	425.00	461.00	710.00	700.00	742.00	701.00
Bi	8.00	11.00	7.00	10.00	6.00	7.00	4.00	8.00	5.00	5.00	4.00	8.00
CaO	0.96	1.16	0.74	1.40	0.96	1.54	1.47	1.36	0.31	0.47	0.49	0.41
Cd	3.20	3.40	2.80	3.00	0.60	2.20	3.50	1.10	0.00	0.20	0.20	0.10
Ce	113.00	111.00	109.00	89.00	127.00	103.00	98.00	66.00	82.00	63.00	93.00	87.00
Co	8.10	6.60	7.10	7.40	11.80	7.10	7.30	6.80	4.80	5.30	5.70	5.50
Cr	30.00	33.00	180.00	33.00	71.00	29.00	26.00	27.00	21.00	10.00	16.00	18.00
Cs	3.00	1.00	4.00	10.00	1.00	11.00	1.00	11.00	22.00	17.00	15.00	13.00
Cu	70.10	92.30	48.40	61.70	16.10	51.90	60.50	50.20	5.90	5.30	4.90	5.10
Fe ₂ O ₃	7.32	8.14	7.01	6.77	7.49	6.89	7.02	6.49	4.46	5.18	4.55	4.93
Ga	16.00	18.00	16.00	19.00	18.00	16.00	16.00	16.00	15.00	13.00	14.00	12.00
Ge	2.00	2.00	1.00	3.00	1.00	2.00	2.00	2.00	1.00	1.00	1.00	1.00
Hg	0.90	1.00	0.00	1.10	0.70	0.00	0.60	0.63	0.42	0.00	0.00	0.00
La	41.00	39.00	39.00	41.00	60.00	40.00	48.00	27.00	40.00	23.00	33.00	27.00
MnO	0.44	0.41	0.57	0.35	0.64	0.34	0.40	0.27	0.07	0.13	0.12	0.09
Mo	0.90	1.30	0.40	1.20	0.30	0.80	0.60	0.40	0.50	0.50	0.50	0.60
Nb	21.00	20.00	17.00	22.00	18.00	17.00	17.00	17.00	17.00	13.00	15.00	14.00
Ni	20.00	19.00	15.00	17.00	25.00	14.00	15.00	16.00	19.00	15.00	19.00	19.00
P ₂ O ₅	0.14	0.12	0.09	0.10	0.12	0.13	0.14	0.10	0.08	0.08	0.10	0.08
Pb	261.00	346.00	371.00	367.00	378.00	164.00	190.00	111.00	32.00	24.00	31.00	21.00
Rb	78.00	107.00	60.00	204.00	120.00	150.00	151.00	160.00	218.00	162.00	185.00	191.00
Sb	1.00	1.00	0.90	0.90	2.00	0.90	2.00	0.90	0.90	0.90	0.90	2.00
Sc	15.00	15.00	19.00	17.00	19.00	12.00	18.00	13.00	12.00	11.00	13.00	9.00
Se	0.35	0.33	0.45	0.30	0.46	0.31	0.30	0.18	0.19	0.00	0.39	0.00
Sn	331.00	589.00	182.00	108.00	49.00	383.00	248.00	243.00	6.00	3.00	15.00	2.00
Sr	43.00	55.00	36.00	73.00	70.00	87.00	88.00	88.00	75.00	53.00	86.00	78.00
Th	15.00	25.00	20.00	23.00	28.00	16.00	21.00	17.00	26.00	17.00	18.00	20.00
TiO ₂	1.14	1.02	1.04	1.09	1.11	0.88	0.88	0.81	0.78	0.87	0.96	1.00
U	7.00	6.00	6.00	7.00	9.00	8.00	7.00	6.00	11.00	8.00	8.00	11.00
V	75.00	73.00	70.00	76.00	87.00	72.00	73.00	66.00	60.00	48.00	57.00	60.00
W	13.00	16.00	13.00	12.00	9.00	10.00	9.00	5.00	13.00	7.00	7.00	7.00
Y	30.00	28.00	30.00	36.00	37.00	34.00	32.00	26.00	47.00	32.00	41.00	44.00
Zn	939.00	950.00	764.00	600.00	452.00	636.00	883.00	454.00	76.00	72.00	80.00	71.00
Zr	963.00	1041.00	903.00	821.00	679.00	1492.00	802.00	1017.00	2818.00	1385.00	1532.00	3099.00

Sample	HK0387	HK0388	HK0389	HK0390	HK0391	HK0392	HK0393	HK0394	HK0395	HK0396	HK0397	HK0398
Ag	0.10	0.10	0.20	0.20	0.20	0.10	0.00	0.10	0.00	0.20	0.10	0.80
As	14.00	17.00	10.00	14.00	12.00	13.00	12.00	14.00	14.00	12.00	18.00	36.00
Ba	636.00	558.00	598.00	578.00	515.00	536.00	505.00	398.00	511.00	408.00	394.00	539.00
Bi	6.00	5.00	9.00	3.00	4.00	3.00	5.00	5.00	5.00	5.00	6.00	5.00
CaO	0.48	0.40	0.34	0.39	0.38	0.28	0.50	0.61	0.45	0.58	0.34	0.44
Cd	0.10	0.20	0.00	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.80
Ce	58.00	56.00	70.00	118.00	129.00	87.00	77.00	76.00	69.00	87.00	97.00	93.00
Co	5.40	3.10	3.30	8.50	6.70	5.30	4.30	5.80	4.50	5.00	4.10	10.50
Cr	14.00	10.00	25.00	21.00	16.00	17.00	21.00	14.00	20.00	25.00	27.00	67.00
Cs	28.00	27.00	20.00	30.00	27.00	22.00	17.00	23.00	23.00	24.00	26.00	22.00
Cu	4.30	2.80	3.50	5.20	3.90	3.40	5.70	15.20	23.20	6.80	5.40	22.50
Fe ₂ O ₃	3.95	3.41	3.47	5.32	4.21	4.74	4.20	3.48	4.14	4.16	4.76	5.53
Ga	11.00	11.00	13.00	17.00	15.00	17.00	12.00	11.00	12.00	16.00	17.00	17.00
Ge	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00	1.00
Hg	0.00	0.18	0.47	0.53	0.50	0.00	0.35	0.00	0.51	0.91	1.03	0.55
La	26.00	24.00	29.00	47.00	72.00	40.00	28.00	31.00	30.00	43.00	19.00	43.00
MnO	0.13	0.09	0.07	0.15	0.13	0.11	0.09	0.09	0.09	0.12	0.07	0.21
Mo	0.50	0.40	0.30	0.50	0.40	0.40	0.50	0.50	0.40	0.40	0.60	0.60
Nb	15.00	14.00	17.00	20.00	18.00	20.00	16.00	15.00	17.00	18.00	18.00	18.00
Ni	13.00	9.00	15.00	17.00	18.00	15.00	18.00	12.00	13.00	19.00	11.00	18.00
P ₂ O ₅	0.08	0.07	0.07	0.06	0.07	0.05	0.08	0.16	0.11	0.08	0.05	0.27
Pb	27.00	21.00	27.00	59.00	50.00	38.00	26.00	32.00	32.00	54.00	48.00	55.00
Rb	168.00	158.00	172.00	242.00	200.00	247.00	178.00	152.00	162.00	222.00	249.00	182.00
Sb	0.90	0.90	0.90	2.00	5.00	0.90	1.00	0.90	2.00	3.00	4.00	2.00
Sc	9.00	11.00	11.00	15.00	12.00	10.00	11.00	7.00	11.00	10.00	9.00	16.00
Se	0.14	0.00	0.23	0.26	0.25	0.23	0.00	0.13	0.00	0.36	0.25	0.40
Sn	11.00	3.00	18.00	5.00	4.00	5.00	14.00	10.00	25.00	21.00	31.00	24.00
Sr	68.00	41.00	63.00	44.00	44.00	54.00	101.00	40.00	87.00	46.00	32.00	25.00
Th	23.00	18.00	24.00	35.00	38.00	37.00	24.00	20.00	21.00	32.00	33.00	20.00
TiO ₂	0.83	0.59	0.92	0.99	0.77	0.80	0.71	0.60	0.73	0.64	0.67	0.85
U	9.00	6.00	15.00	7.00	9.00	7.00	7.00	7.00	7.00	13.00	9.00	7.00
V	52.00	37.00	53.00	62.00	52.00	53.00	42.00	33.00	42.00	43.00	46.00	63.00
W	9.00	6.00	11.00	7.00	11.00	7.00	9.00	4.00	7.00	6.00	9.00	11.00
Y	46.00	37.00	71.00	50.00	65.00	42.00	37.00	31.00	30.00	47.00	34.00	37.00
Zn	62.00	44.00	59.00	88.00	73.00	62.00	72.00	91.00	72.00	67.00	73.00	201.00
Zr	2140.00	1838.00	4940.00	907.00	1653.00	1121.00	1686.00	747.00	1311.00	1018.00	1530.00	841.00

Sample	HK0399	HK0400	HK0401	HK0402	HK0403	HK0404	HK0405	HK0406	HK0407	HK0408	HK0409	HK0410
Ag	0.20	0.40	0.40	0.80	0.40	0.50	0.50	0.50	0.60	0.80	0.30	0.20
As	16.00	12.00	14.00	19.00	18.00	10.00	10.00	11.00	9.00	8.00	13.00	14.00
Ba	515.00	501.00	391.00	620.00	500.00	305.00	377.00	224.00	554.00	529.00	436.00	444.00
Bi	5.00	5.00	7.00	8.00	8.00	6.00	3.00	8.00	6.00	6.00	6.00	9.00
CaO	0.40	0.75	0.76	1.06	0.92	0.49	0.44	0.48	1.08	1.12	0.85	0.81
Cd	0.20	1.60	1.30	3.30	1.60	0.60	0.70	0.50	1.90	3.60	1.40	1.30
Ce	68.00	59.00	67.00	138.00	48.00	116.00	108.00	87.00	109.00	119.00	63.00	60.00
Co	4.40	4.40	5.50	9.10	5.20	4.60	7.30	4.20	5.60	7.60	5.20	4.10
Cr	14.00	13.00	13.00	24.00	5.00	26.00	19.00	13.00	15.00	17.00	9.00	9.00
Cs	16.00	17.00	22.00	15.00	11.00	24.00	22.00	18.00	9.00	22.00	17.00	14.00
Cu	12.00	13.60	12.70	48.40	15.10	40.20	44.50	27.50	22.80	31.60	17.00	11.20
Fe ₂ O ₃	4.72	4.22	4.52	7.67	5.25	3.84	4.60	3.72	5.34	5.66	4.90	4.15
Ga	15.00	12.00	12.00	22.00	9.00	15.00	15.00	15.00	16.00	18.00	12.00	11.00
Ge	2.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00	2.00	1.00	1.00	1.00
Hg	0.57	0.00	0.21	0.00	0.00	0.21	0.31	0.00	0.00	0.38	0.00	0.00
La	40.00	17.00	24.00	55.00	18.00	23.00	38.00	26.00	37.00	64.00	23.00	20.00
MnO	0.09	0.32	0.36	0.54	0.43	0.18	0.30	0.22	0.49	0.40	0.24	0.23
Mo	0.50	0.50	0.80	0.80	1.20	0.50	0.30	0.20	0.50	0.40	0.30	0.40
Nb	19.00	14.00	18.00	24.00	10.00	29.00	30.00	31.00	23.00	21.00	14.00	19.00
Ni	14.00	12.00	15.00	19.00	8.00	12.00	17.00	8.00	20.00	19.00	11.00	10.00
P ₂ O ₅	0.10	0.09	0.09	0.14	0.10	0.07	0.09	0.07	0.14	0.14	0.07	0.07
Pb	47.00	204.00	150.00	544.00	152.00	346.00	336.00	243.00	279.00	343.00	180.00	170.00
Rb	218.00	174.00	167.00	327.00	127.00	201.00	207.00	182.00	230.00	229.00	177.00	168.00
Sb	2.00	0.90	0.90	3.00	0.90	0.90	0.90	3.00	2.00	2.00	1.00	0.90
Sc	11.00	12.00	12.00	18.00	13.00	10.00	10.00	11.00	11.00	8.00	13.00	11.00
Se	0.13	0.18	0.14	0.14	0.24	0.32	0.44	0.20	0.79	0.73	0.00	0.00
Sn	110.00	13.00	8.00	44.00	6.00	8.00	9.00	5.00	11.00	11.00	5.00	6.00
Sr	42.00	36.00	26.00	72.00	25.00	20.00	25.00	18.00	48.00	57.00	32.00	36.00
Th	20.00	19.00	19.00	31.00	13.00	33.00	33.00	23.00	27.00	30.00	17.00	18.00
TiO ₂	0.89	0.83	1.16	1.22	0.86	1.10	1.20	1.40	0.81	0.89	0.96	1.05
U	5.00	8.00	6.00	7.00	5.00	10.00	9.00	9.00	10.00	9.00	6.00	9.00
V	57.00	44.00	50.00	94.00	36.00	51.00	59.00	52.00	60.00	61.00	43.00	47.00
W	8.00	5.00	9.00	15.00	5.00	13.00	10.00	10.00	11.00	9.00	8.00	6.00
Y	38.00	23.00	17.00	41.00	14.00	24.00	26.00	21.00	33.00	59.00	17.00	22.00
Zn	127.00	215.00	200.00	717.00	184.00	155.00	166.00	114.00	393.00	419.00	180.00	161.00
Zr	957.00	1387.00	1004.00	716.00	598.00	1748.00	1254.00	1655.00	1201.00	980.00	1055.00	1707.00

Sample	HK0411	HK0412	HK0413	HK0414	HK0415	HK0416	HK0417	HK0418	HK0419	HK0420	HK0421	HK0422
Ag	0.30	0.20	0.20	0.40	0.30	0.40	0.50	0.30	0.30	0.30	0.20	0.60
As	11.00	11.00	8.00	8.00	7.00	17.00	10.00	4.00	18.00	12.00	12.00	7.00
Ba	465.00	427.00	503.00	380.00	582.00	487.00	500.00	474.00	303.00	290.00	308.00	355.00
Bi	6.00	6.00	4.00	6.00	3.00	8.00	4.00	6.00	6.00	5.00	6.00	5.00
CaO	0.93	0.71	1.63	0.92	0.82	1.16	0.90	1.19	0.54	0.40	0.40	0.63
Cd	1.10	0.90	1.40	1.00	0.90	1.80	1.60	1.10	0.40	0.30	0.20	1.30
Ce	88.00	76.00	120.00	141.00	112.00	96.00	123.00	106.00	95.00	120.00	115.00	100.00
Co	5.00	3.00	5.00	6.30	6.20	6.70	6.50	6.50	5.20	8.50	6.00	3.30
Cr	18.00	11.00	14.00	40.00	14.00	39.00	106.00	21.00	40.00	35.00	18.00	21.00
Cs	16.00	17.00	17.00	35.00	18.00	19.00	19.00	24.00	24.00	23.00	18.00	20.00
Cu	13.20	11.90	14.70	16.30	9.70	16.10	20.00	30.00	16.50	32.60	12.70	10.30
Fe ₂ O ₃	4.26	3.94	5.32	7.03	4.38	7.01	6.13	5.66	7.40	6.38	4.39	3.34
Ga	15.00	13.00	19.00	21.00	17.00	16.00	19.00	19.00	17.00	21.00	15.00	17.00
Ge	1.00	2.00	3.00	2.00	1.00	2.00	2.00	2.00	1.00	2.00	1.00	2.00
Hg	0.42	0.00	0.00	0.41	0.53	0.00	0.32	0.65	0.56	0.53	0.37	0.29
La	30.00	23.00	43.00	59.00	42.00	46.00	45.00	39.00	29.00	36.00	41.00	42.00
MnO	0.21	0.19	0.19	0.19	0.15	0.36	0.29	0.22	0.10	0.10	0.08	0.10
Mo	0.40	0.50	0.30	0.90	0.30	0.70	0.50	0.60	0.50	0.60	0.50	0.30
Nb	22.00	24.00	20.00	22.00	21.00	15.00	21.00	21.00	29.00	28.00	25.00	27.00
Ni	11.00	12.00	10.00	20.00	17.00	13.00	22.00	15.00	16.00	18.00	14.00	16.00
P ₂ O ₅	0.09	0.06	0.13	0.13	0.09	0.15	0.13	0.09	0.28	0.17	0.16	0.06
Pb	193.00	212.00	201.00	183.00	81.00	210.00	232.00	210.00	78.00	113.00	140.00	177.00
Rb	180.00	229.00	203.00	163.00	232.00	174.00	210.00	234.00	135.00	153.00	155.00	244.00
Sb	2.00	0.90	0.90	2.00	2.00	0.90	3.00	0.90	1.00	2.00	3.00	0.90
Sc	8.00	9.00	11.00	17.00	12.00	14.00	14.00	14.00	16.00	16.00	13.00	11.00
Se	0.52	0.00	0.34	0.72	0.40	0.44	0.56	0.39	0.46	0.58	0.59	0.46
Sn	24.00	10.00	134.00	11.00	4.00	6.00	7.00	9.00	28.00	29.00	14.00	8.00
Sr	57.00	43.00	87.00	50.00	65.00	45.00	49.00	71.00	35.00	29.00	38.00	57.00
Th	24.00	28.00	28.00	35.00	27.00	28.00	36.00	34.00	30.00	37.00	34.00	41.00
TiO ₂	0.97	1.10	0.90	1.13	0.95	0.83	0.97	0.85	1.13	1.07	0.75	0.54
U	14.00	14.00	13.00	10.00	11.00	7.00	10.00	11.00	10.00	10.00	9.00	12.00
V	63.00	57.00	66.00	75.00	59.00	56.00	67.00	67.00	64.00	68.00	49.00	36.00
W	9.00	11.00	8.00	6.00	5.00	6.00	11.00	7.00	5.00	10.00	11.00	4.00
Y	30.00	30.00	34.00	33.00	34.00	29.00	36.00	28.00	31.00	32.00	36.00	41.00
Zn	169.00	204.00	189.00	177.00	140.00	254.00	279.00	239.00	121.00	124.00	93.00	131.00
Zr	2575.00	3028.00	2530.00	920.00	1303.00	285.00	536.00	1042.00	1706.00	914.00	715.00	939.00

Sample	HK0423	HK0424	HK0425	HK0426	HK0427	HK0428	HK0429	HK0430	HK0431	HK0432	HK0433	HK0434
Ag	0.20	0.30	0.20	0.30	0.30	0.30	0.30	0.20	0.40	0.60	0.40	0.50
As	7.00	8.00	10.00	9.00	10.00	11.00	9.00	10.00	15.00	6.00	11.00	5.00
Ba	432.00	368.00	439.00	415.00	398.00	319.00	320.00	309.00	388.00	303.00	420.00	362.00
Bi	4.00	5.00	4.00	8.00	5.00	4.00	5.00	6.00	7.00	8.00	5.00	4.00
CaO	0.93	0.94	0.77	0.95	0.97	0.56	0.66	0.66	0.95	0.68	0.90	2.19
Cd	0.60	1.00	0.50	0.80	0.90	0.50	0.80	0.70	0.70	0.40	1.30	3.50
Ce	94.00	98.00	82.00	68.00	85.00	102.00	119.00	119.00	116.00	80.00	121.00	108.00
Co	4.10	4.60	4.90	4.60	5.00	3.50	6.00	4.90	4.30	3.40	4.80	7.60
Cr	18.00	12.00	12.00	14.00	11.00	16.00	44.00	22.00	17.00	9.00	21.00	14.00
Cs	23.00	22.00	18.00	29.00	28.00	17.00	32.00	21.00	36.00	23.00	15.00	7.00
Cu	7.30	10.50	7.00	8.10	9.00	3.80	7.20	5.50	3.90	6.10	9.50	7.60
Fe ₂ O ₃	4.62	4.53	5.07	4.75	4.78	3.24	5.22	4.00	4.05	3.66	4.60	5.62
Ga	18.00	18.00	19.00	17.00	19.00	15.00	20.00	17.00	16.00	19.00	17.00	21.00
Ge	1.00	2.00	1.00	2.00	1.00	1.00	2.00	1.00	2.00	1.00	1.00	3.00
Hg	0.00	0.47	0.62	0.19	0.64	0.41	0.66	0.81	0.91	1.02	0.20	0.50
La	38.00	37.00	38.00	26.00	35.00	31.00	49.00	44.00	39.00	24.00	51.00	37.00
MnO	0.14	0.14	0.13	0.13	0.14	0.10	0.16	0.12	0.14	0.09	0.12	0.33
Mo	0.60	0.20	0.60	0.80	0.30	0.40	0.60	0.40	0.50	0.60	0.50	0.50
Nb	23.00	22.00	24.00	20.00	24.00	25.00	24.00	25.00	21.00	27.00	21.00	21.00
Ni	13.00	14.00	16.00	11.00	14.00	15.00	18.00	14.00	13.00	14.00	17.00	13.00
P ₂ O ₅	0.06	0.07	0.06	0.06	0.06	0.05	0.08	0.06	0.07	0.04	0.11	0.08
Pb	75.00	113.00	73.00	91.00	110.00	77.00	135.00	111.00	119.00	124.00	166.00	382.00
Rb	280.00	241.00	302.00	249.00	277.00	211.00	194.00	199.00	169.00	263.00	192.00	195.00
Sb	0.90	0.90	0.90	2.00	0.90	3.00	2.00	0.90	0.90	0.90	0.90	0.90
Sc	14.00	8.00	13.00	13.00	13.00	12.00	11.00	10.00	12.00	9.00	12.00	11.00
Se	0.36	0.54	0.26	0.14	0.31	0.36	0.69	0.41	0.34	0.37	0.46	0.39
Sn	7.00	10.00	8.00	6.00	9.00	6.00	15.00	17.00	5.00	18.00	6.00	8.00
Sr	67.00	63.00	65.00	64.00	71.00	47.00	39.00	45.00	53.00	62.00	59.00	80.00
Th	31.00	36.00	39.00	31.00	33.00	25.00	41.00	32.00	30.00	35.00	33.00	33.00
TiO ₂	0.61	0.65	0.68	0.61	0.61	0.62	0.67	0.67	0.72	0.47	0.69	0.71
U	12.00	13.00	13.00	10.00	11.00	9.00	12.00	11.00	11.00	14.00	12.00	10.00
V	50.00	50.00	53.00	42.00	47.00	39.00	47.00	47.00	49.00	32.00	46.00	61.00
W	11.00	8.00	11.00	7.00	9.00	8.00	5.00	10.00	7.00	6.00	9.00	9.00
Y	36.00	33.00	38.00	28.00	33.00	32.00	38.00	37.00	26.00	35.00	35.00	27.00
Zn	100.00	121.00	90.00	117.00	127.00	78.00	136.00	111.00	119.00	126.00	199.00	453.00
Zr	1050.00	919.00	1019.00	438.00	581.00	755.00	429.00	691.00	910.00	1175.00	1077.00	737.00

Sample	HK0435	HK0436	HK0437	HK0438	HK0439	HK0440	HK0441	HK0442	HK0443	HK0444	HK0445	HK0446
Ag	0.60	0.20	0.80	0.20	0.70	0.20	0.50	0.30	0.50	0.40	0.40	0.20
As	6.00	11.00	14.00	6.00	16.00	47.00	22.00	28.00	19.00	22.00	27.00	21.00
Ba	350.00	341.00	415.00	449.00	488.00	174.00	380.00	239.00	222.00	132.00	324.00	268.00
Bi	6.00	6.00	7.00	5.00	5.00	6.00	2.00	11.00	6.00	5.00	3.00	9.00
CaO	2.08	1.23	1.52	1.94	0.89	0.73	0.68	0.94	0.55	0.58	1.10	0.92
Cd	3.20	0.40	2.30	0.40	0.90	0.80	0.60	0.30	0.00	0.20	1.50	0.30
Ce	122.00	71.00	177.00	110.00	130.00	102.00	84.00	113.00	96.00	114.00	89.00	85.00
Co	7.00	3.10	9.00	8.50	16.60	5.00	8.00	6.30	2.00	3.30	7.00	4.50
Cr	22.00	12.00	65.00	24.00	57.00	27.00	24.00	23.00	80.00	42.00	24.00	25.00
Cs	15.00	20.00	3.00	21.00	9.00	34.00	27.00	20.00	24.00	20.00	21.00	28.00
Cu	9.20	14.10	106.70	282.20	66.90	14.90	33.80	13.50	6.50	10.80	10.90	4.10
Fe ₂ O ₃	5.67	4.37	8.24	6.69	10.05	8.06	7.87	5.86	5.56	9.57	6.53	4.81
Ga	22.00	13.00	21.00	20.00	19.00	21.00	19.00	19.00	19.00	25.00	20.00	18.00
Ge	3.00	1.00	2.00	2.00	3.00	2.00	2.00	2.00	1.00	2.00	2.00	2.00
Hg	0.60	0.00	0.50	0.00	0.40	0.00	0.66	0.75	0.34	0.42	0.00	0.00
La	39.00	20.00	58.00	44.00	41.00	37.00	59.00	33.00	34.00	48.00	39.00	36.00
MnO	0.27	0.09	0.23	0.21	0.49	0.11	0.31	0.15	0.10	0.15	0.41	0.19
Mo	0.70	0.30	0.80	0.20	0.80	0.60	1.00	0.20	0.40	0.30	0.50	0.60
Nb	20.00	16.00	25.00	28.00	20.00	23.00	30.00	41.00	25.00	24.00	35.00	39.00
Ni	20.00	12.00	24.00	13.00	25.00	18.00	23.00	17.00	23.00	19.00	18.00	17.00
P ₂ O ₅	0.09	0.07	0.66	0.17	0.79	0.12	0.16	0.11	0.12	0.15	0.13	0.08
Pb	455.00	75.00	439.00	232.00	262.00	114.00	130.00	112.00	113.00	170.00	233.00	246.00
Rb	188.00	158.00	136.00	196.00	178.00	138.00	199.00	152.00	132.00	56.00	189.00	200.00
Sb	2.00	0.90	2.00	0.90	4.00	0.90	5.00	5.00	0.90	0.90	1.00	2.00
Sc	12.00	8.00	20.00	19.00	18.00	22.00	19.00	21.00	16.00	19.00	19.00	11.00
Se	0.45	0.20	0.75	0.23	0.49	0.62	0.19	0.42	0.66	1.12	0.46	0.29
Sn	7.00	14.00	128.00	30.00	37.00	10.00	5.00	12.00	8.00	6.00	12.00	7.00
Sr	80.00	70.00	84.00	139.00	56.00	31.00	39.00	51.00	35.00	36.00	49.00	45.00
Th	33.00	19.00	39.00	24.00	27.00	30.00	24.00	25.00	28.00	28.00	25.00	32.00
TiO ₂	0.74	0.63	1.04	1.10	0.95	1.55	1.51	2.22	1.15	1.65	1.68	1.86
U	8.00	9.00	9.00	8.00	6.00	9.00	10.00	12.00	10.00	7.00	10.00	16.00
V	66.00	38.00	84.00	92.00	81.00	96.00	110.00	118.00	77.00	104.00	97.00	95.00
W	9.00	6.00	9.00	7.00	7.00	7.00	15.00	13.00	7.00	9.00	9.00	16.00
Y	31.00	26.00	46.00	42.00	33.00	20.00	80.00	37.00	24.00	18.00	30.00	37.00
Zn	370.00	85.00	563.00	191.00	467.00	89.00	218.00	123.00	77.00	80.00	269.00	115.00
Zr	813.00	1257.00	606.00	1054.00	668.00	670.00	1488.00	3003.00	1229.00	958.00	1628.00	4191.00

Sample	HK0447	HK0448	HK0449	HK0450	HK0451	HK0452	HK0453	HK0454	HK0455	HK0456	HK0457	HK0458
Ag	0.80	0.90	0.70	1.50	0.80	1.00	0.40	0.80	0.60	0.80	0.90	1.50
As	15.00	18.00	12.00	19.00	14.00	22.00	4.00	16.00	12.00	26.00	13.00	17.00
Ba	631.00	486.00	575.00	588.00	682.00	670.00	719.00	660.00	561.00	453.00	670.00	423.00
Bi	9.00	14.00	5.00	7.00	8.00	9.00	4.00	6.00	5.00	6.00	5.00	6.00
CaO	1.05	1.43	1.13	1.04	1.35	1.44	1.27	1.34	1.28	1.52	1.53	1.15
Cd	3.40	3.30	1.90	3.00	2.70	2.60	1.70	2.20	2.00	1.50	2.70	5.50
Ce	135.00	142.00	85.00	119.00	85.00	129.00	81.00	113.00	99.00	114.00	87.00	97.00
Co	8.60	5.60	6.80	8.90	9.00	7.70	7.20	7.50	7.10	5.50	7.30	8.00
Cr	13.00	12.00	16.00	18.00	20.00	16.00	17.00	17.00	64.00	21.00	13.00	20.00
Cs	19.00	2.00	15.00	27.00	27.00	29.00	31.00	20.00	18.00	24.00	19.00	12.00
Cu	49.00	132.60	38.80	44.30	49.20	42.40	11.40	33.00	17.80	25.50	28.30	94.60
Fe ₂ O ₃	7.64	5.89	5.91	7.39	7.30	7.15	7.12	7.11	6.57	6.51	7.18	7.23
Ga	23.00	27.00	18.00	20.00	22.00	22.00	21.00	19.00	19.00	19.00	22.00	19.00
Ge	3.00	3.00	2.00	2.00	1.00	3.00	1.00	2.00	1.00	2.00	2.00	2.00
Hg	0.00	0.00	0.00	0.72	0.87	1.00	0.92	0.83	0.62	0.74	0.75	0.57
La	62.00	39.00	41.00	46.00	37.00	56.00	28.00	61.00	50.00	47.00	38.00	49.00
MnO	0.56	0.59	0.35	0.50	0.42	0.43	0.25	0.39	0.36	0.29	0.35	0.43
Mo	0.60	6.80	0.70	0.50	0.90	0.60	0.50	0.40	0.50	0.40	0.40	1.30
Nb	24.00	45.00	33.00	26.00	26.00	28.00	25.00	25.00	29.00	41.00	26.00	20.00
Ni	20.00	16.00	16.00	21.00	23.00	17.00	19.00	19.00	19.00	14.00	20.00	19.00
P ₂ O ₅	0.14	0.15	0.14	0.16	0.12	0.17	0.09	0.16	0.13	0.15	0.14	0.15
Pb	551.00	2431.00	359.00	477.00	485.00	464.00	149.00	414.00	342.00	301.00	318.00	466.00
Rb	323.00	320.00	319.00	302.00	364.00	325.00	307.00	303.00	245.00	213.00	301.00	208.00
Sb	0.90	0.90	2.00	3.00	0.90	5.00	3.00	5.00	4.00	0.90	6.00	0.90
Sc	17.00	13.00	19.00	20.00	19.00	16.00	17.00	17.00	14.00	19.00	17.00	15.00
Se	0.19	0.10	0.18	0.31	0.18	0.25	0.14	0.28	0.25	0.34	0.24	0.43
Sn	51.00	123.00	15.00	42.00	41.00	42.00	14.00	32.00	32.00	43.00	28.00	150.00
Sr	70.00	98.00	64.00	66.00	88.00	87.00	106.00	90.00	80.00	73.00	90.00	62.00
Th	30.00	44.00	24.00	28.00	26.00	31.00	28.00	29.00	29.00	24.00	25.00	27.00
TiO ₂	1.19	1.82	1.55	1.29	1.25	1.30	1.09	1.24	1.17	1.96	1.20	0.96
U	6.00	11.00	8.00	9.00	9.00	9.00	10.00	8.00	11.00	11.00	8.00	9.00
V	93.00	107.00	91.00	94.00	95.00	94.00	88.00	94.00	81.00	105.00	92.00	73.00
W	12.00	19.00	16.00	13.00	13.00	11.00	9.00	6.00	15.00	20.00	12.00	12.00
Y	41.00	41.00	32.00	42.00	33.00	44.00	37.00	44.00	45.00	45.00	37.00	43.00
Zn	703.00	992.00	400.00	541.00	583.00	553.00	290.00	469.00	410.00	414.00	512.00	934.00
Zr	837.00	2453.00	1477.00	909.00	770.00	1404.00	997.00	1011.00	900.00	2813.00	863.00	581.00

Sample	HK0459	HK0460	HK0461	HK0462	HK0463	HK0464	HK0465	HK0466	HK0467	HK0468	HK0469	HK0470
Ag	0.50	1.90	0.90	1.20	2.50	1.60	1.00	0.20	0.40	0.50	0.20	0.10
As	10.00	17.00	14.00	24.00	26.00	6.00	17.00	52.00	89.00	51.00	48.00	33.00
Ba	416.00	316.00	282.00	308.00	308.00	324.00	405.00	360.00	459.00	581.00	390.00	340.00
Bi	10.00	6.00	11.00	6.00	5.00	8.00	17.00	4.00	3.00	4.00	3.00	6.00
CaO	0.76	0.94	0.77	0.93	0.81	1.12	1.07	0.63	0.54	0.77	0.39	0.18
Cd	0.30	2.80	2.10	4.00	3.00	3.70	1.90	1.00	2.10	1.20	1.10	0.80
Ce	109.00	119.00	146.00	134.00	120.00	118.00	140.00	109.00	80.00	102.00	128.00	114.00
Co	5.40	7.60	6.90	7.60	4.90	7.30	6.70	8.70	7.90	8.60	7.90	6.10
Cr	66.00	45.00	101.00	50.00	53.00	51.00	59.00	111.00	59.00	59.00	88.00	28.00
Cs	13.00	13.00	22.00	1.00	1.00	1.00	9.00	14.00	17.00	21.00	23.00	17.00
Cu	81.00	98.90	93.60	84.20	54.50	90.80	111.00	6.10	12.90	10.80	6.00	3.30
Fe ₂ O ₃	8.51	9.92	10.99	8.22	6.21	8.26	11.12	3.63	4.43	5.88	4.56	4.40
Ga	19.00	20.00	21.00	20.00	16.00	20.00	21.00	15.00	17.00	20.00	18.00	18.00
Ge	2.00	1.00	2.00	2.00	1.00	2.00	2.00	1.00	3.00	2.00	1.00	2.00
Hg	0.46	0.61	0.48	0.52	0.98	1.10	1.17	0.00	0.46	0.53	0.61	0.98
La	96.00	53.00	47.00	47.00	52.00	63.00	54.00	51.00	40.00	46.00	60.00	55.00
MnO	0.32	0.53	0.40	0.46	0.44	0.55	0.44	0.17	0.19	0.22	0.16	0.12
Mo	0.90	1.30	0.80	0.80	0.70	0.70	1.30	0.80	1.10	0.80	0.70	0.40
Nb	19.00	21.00	24.00	21.00	22.00	18.00	21.00	23.00	22.00	24.00	25.00	25.00
Ni	25.00	20.00	20.00	18.00	22.00	24.00	29.00	16.00	14.00	24.00	16.00	17.00
P ₂ O ₅	0.11	0.20	0.23	0.19	0.15	0.13	0.37	0.10	0.12	0.18	0.09	0.06
Pb	124.00	310.00	405.00	408.00	358.00	291.00	270.00	29.00	72.00	47.00	33.00	31.00
Rb	198.00	115.00	98.00	115.00	144.00	114.00	143.00	177.00	226.00	235.00	215.00	240.00
Sb	1.00	3.00	0.90	4.00	0.90	0.90	0.90	4.00	3.00	0.00	5.00	3.00
Sc	16.00	20.00	21.00	19.00	14.00	16.00	19.00	11.00	9.00	13.00	16.00	9.00
Se	0.40	0.53	0.50	0.56	0.34	0.35	0.62	0.43	0.35	0.49	0.49	0.28
Sn	135.00	329.00	461.00	228.00	260.00	441.00	405.00	7.00	12.00	10.00	4.00	8.00
Sr	24.00	38.00	27.00	34.00	33.00	54.00	39.00	18.00	23.00	34.00	18.00	12.00
Th	31.00	28.00	35.00	30.00	26.00	24.00	29.00	25.00	30.00	34.00	33.00	38.00
TiO ₂	1.03	1.14	1.18	0.97	0.74	1.00	1.07	0.69	0.69	0.88	0.95	0.79
U	6.00	7.00	6.00	7.00	7.00	6.00	6.00	7.00	6.00	7.00	10.00	10.00
V	66.00	82.00	85.00	68.00	55.00	80.00	85.00	54.00	59.00	70.00	68.00	62.00
W	17.00	15.00	21.00	11.00	14.00	13.00	16.00	3.00	7.00	8.00	5.00	7.00
Y	79.00	52.00	30.00	28.00	30.00	39.00	41.00	43.00	40.00	49.00	59.00	56.00
Zn	542.00	830.00	787.00	801.00	696.00	1048.00	889.00	42.00	126.00	197.00	33.00	20.00
Zr	458.00	742.00	718.00	677.00	874.00	725.00	632.00	763.00	524.00	809.00	1347.00	1737.00

Sample	HK0471	HK0472	HK0473	HK0474	HK0475	HK0476	HK0477	HK0478	HK0479	HK0480	HK0481	HK0482
Ag	0.10	0.20	0.30	0.00	0.10	0.10	0.30	0.00	0.20	0.20	0.20	0.20
As	41.00	50.00	36.00	24.00	28.00	15.00	27.00	13.00	25.00	16.00	22.00	29.00
Ba	215.00	408.00	259.00	442.00	408.00	374.00	549.00	409.00	553.00	504.00	503.00	488.00
Bi	6.00	3.00	7.00	4.00	2.00	3.00	5.00	3.00	2.00	4.00	4.00	2.00
CaO	0.22	1.06	0.34	0.27	0.35	0.33	1.09	0.34	0.64	0.41	0.47	0.60
Cd	0.90	1.30	0.80	0.50	0.50	0.20	0.50	0.10	0.60	0.30	0.50	0.60
Ce	116.00	86.00	71.00	69.00	111.00	80.00	49.00	79.00	92.00	84.00	86.00	88.00
Co	4.10	6.10	4.10	3.70	4.70	3.00	7.00	2.50	5.30	3.90	3.30	4.40
Cr	30.00	43.00	91.00	22.00	103.00	35.00	22.00	23.00	26.00	27.00	32.00	36.00
Cs	10.00	8.00	29.00	17.00	24.00	6.00	11.00	6.00	17.00	16.00	22.00	22.00
Cu	4.60	28.70	9.70	5.70	24.60	1.80	5.00	1.70	4.90	3.90	3.00	4.10
Fe ₂ O ₃	3.69	6.36	4.66	3.58	5.20	2.95	4.23	2.33	4.36	3.45	3.56	4.40
Ga	15.00	15.00	20.00	14.00	18.00	15.00	11.00	14.00	17.00	16.00	15.00	18.00
Ge	2.00	2.00	2.00	1.00	1.00	2.00	1.00	1.00	3.00	2.00	2.00	2.00
Hg	0.35	0.57	0.38	0.00	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00
La	57.00	55.00	48.00	31.00	75.00	33.00	29.00	40.00	37.00	36.00	40.00	36.00
MnO	0.12	0.25	0.12	0.07	0.11	0.09	0.26	0.06	0.14	0.12	0.09	0.11
Mo	0.40	1.30	1.00	0.40	0.80	0.20	0.60	0.30	0.50	0.50	0.40	0.70
Nb	28.00	25.00	27.00	22.00	25.00	25.00	12.00	27.00	24.00	27.00	25.00	24.00
Ni	16.00	16.00	19.00	8.00	13.00	11.00	12.00	13.00	15.00	15.00	14.00	13.00
P ₂ O ₅	0.06	0.54	0.06	0.06	0.12	0.05	0.14	0.06	0.11	0.09	0.09	0.10
Pb	25.00	60.00	54.00	31.00	49.00	23.00	26.00	22.00	36.00	25.00	37.00	39.00
Rb	178.00	192.00	208.00	195.00	200.00	241.00	131.00	242.00	224.00	222.00	219.00	234.00
Sb	0.00	4.00	5.00	3.00	6.00	2.00	0.00	2.00	5.00	5.00	2.00	3.00
Sc	12.00	12.00	6.00	7.00	13.00	8.00	10.00	4.00	10.00	9.00	9.00	6.00
Se	0.47	0.30	0.53	0.00	0.67	0.29	0.51	0.29	0.42	0.00	0.00	0.19
Sn	7.00	53.00	14.00	10.00	18.00	6.00	3.00	9.00	6.00	6.00	4.00	7.00
Sr	10.00	34.00	21.00	27.00	21.00	45.00	36.00	48.00	50.00	43.00	44.00	40.00
Th	37.00	34.00	54.00	22.00	32.00	24.00	21.00	24.00	26.00	28.00	25.00	34.00
TiO ₂	0.82	0.84	0.58	0.78	0.96	0.63	0.75	0.68	0.79	0.94	0.95	0.82
U	10.00	9.00	9.00	8.00	9.00	8.00	8.00	10.00	8.00	7.00	9.00	9.00
V	56.00	65.00	47.00	48.00	68.00	43.00	37.00	43.00	63.00	61.00	59.00	61.00
W	5.00	9.00	8.00	2.00	10.00	4.00	3.00	7.00	8.00	8.00	2.00	4.00
Y	59.00	56.00	57.00	37.00	73.00	39.00	28.00	43.00	44.00	38.00	40.00	41.00
Zn	17.00	230.00	60.00	48.00	65.00	44.00	47.00	32.00	64.00	59.00	63.00	74.00
Zr	2497.00	1519.00	614.00	1240.00	796.00	1081.00	483.00	1751.00	768.00	1236.00	1702.00	833.00

Sample	HK0483	HK0484	HK0485	HK0486	HK0487	HK0488	HK0489	HK0490	HK0491	HK0492	HK0493	HK0494
Ag	0.20	0.20	0.20	0.30	0.20	0.20	0.40	0.20	0.20	0.30	0.20	0.20
As	19.00	24.00	16.00	9.00	16.00	17.00	16.00	19.00	14.00	16.00	11.00	47.00
Ba	506.00	527.00	363.00	263.00	466.00	233.00	374.00	240.00	415.00	416.00	442.00	461.00
Bi	5.00	3.00	3.00	3.00	7.00	4.00	3.00	4.00	4.00	3.00	5.00	5.00
CaO	0.50	0.50	0.38	0.34	0.39	0.28	0.57	0.43	0.34	0.49	0.40	0.35
Cd	0.50	0.80	0.30	0.20	0.30	0.20	0.30	0.30	0.20	0.30	0.30	1.40
Ce	68.00	64.00	90.00	94.00	66.00	96.00	101.00	100.00	87.00	76.00	101.00	89.00
Co	3.30	5.20	9.00	3.20	8.90	2.20	7.30	3.00	5.60	3.50	4.70	6.30
Cr	18.00	25.00	45.00	38.00	29.00	21.00	102.00	53.00	75.00	22.00	30.00	25.00
Cs	12.00	17.00	12.00	12.00	8.00	14.00	35.00	14.00	15.00	20.00	16.00	26.00
Cu	3.30	3.40	9.70	13.30	21.70	7.50	4.90	5.60	4.40	4.70	4.00	6.00
Fe ₂ O ₃	3.34	3.69	5.21	2.86	6.17	2.89	3.93	3.07	5.93	3.40	4.22	4.57
Ga	15.00	15.00	16.00	10.00	12.00	16.00	18.00	18.00	21.00	15.00	18.00	14.00
Ge	3.00	1.00	3.00	3.00	2.00	1.00	1.00	2.00	3.00	2.00	1.00	1.00
Hg	0.00	0.98	1.15	0.84	0.41	0.97	0.35	0.41	0.47	0.31	0.00	0.94
La	35.00	30.00	71.00	38.00	37.00	38.00	56.00	41.00	39.00	41.00	38.00	42.00
MnO	0.08	0.16	0.15	0.10	0.14	0.05	0.15	0.08	0.09	0.10	0.14	0.03
Mo	0.10	0.30	0.50	0.40	0.50	0.70	0.50	0.50	0.80	0.30	0.40	0.70
Nb	24.00	27.00	16.00	19.00	15.00	29.00	24.00	30.00	24.00	30.00	27.00	27.00
Ni	14.00	14.00	12.00	10.00	15.00	12.00	20.00	18.00	14.00	16.00	15.00	14.00
P ₂ O ₅	0.09	0.12	0.10	0.15	0.11	0.04	0.07	0.06	0.05	0.08	0.07	0.12
Pb	38.00	37.00	57.00	63.00	45.00	25.00	42.00	35.00	45.00	34.00	66.00	40.00
Rb	221.00	212.00	181.00	123.00	150.00	203.00	216.00	206.00	206.00	207.00	261.00	192.00
Sb	0.00	1.00	0.00	2.00	2.00	2.00	0.00	0.00	2.00	3.00	2.00	2.00
Sc	6.00	11.00	12.00	8.00	15.00	7.00	6.00	5.00	14.00	12.00	11.00	14.00
Se	0.14	0.43	0.23	0.19	0.00	0.31	0.53	0.40	0.31	0.32	0.00	0.31
Sn	6.00	6.00	13.00	23.00	35.00	11.00	8.00	9.00	7.00	5.00	12.00	6.00
Sr	45.00	40.00	23.00	22.00	23.00	19.00	35.00	22.00	35.00	39.00	49.00	14.00
Th	22.00	26.00	24.00	20.00	19.00	32.00	39.00	40.00	37.00	24.00	28.00	25.00
TiO ₂	0.77	0.93	0.71	0.71	0.94	0.65	0.68	0.62	1.08	0.92	0.95	1.08
U	9.00	10.00	7.00	7.00	7.00	7.00	10.00	10.00	11.00	10.00	9.00	9.00
V	56.00	62.00	67.00	50.00	63.00	41.00	50.00	38.00	77.00	54.00	64.00	73.00
W	6.00	10.00	8.00	4.00	4.00	7.00	2.00	7.00	3.00	10.00	8.00	8.00
Y	41.00	46.00	39.00	36.00	34.00	49.00	60.00	54.00	36.00	41.00	40.00	47.00
Zn	78.00	100.00	100.00	112.00	108.00	34.00	52.00	56.00	61.00	62.00	96.00	62.00
Zr	1228.00	1539.00	571.00	2069.00	1282.00	897.00	649.00	717.00	1724.00	1400.00	1409.00	2099.00

Sample	HK0495	HK0496	HK0497	HK0498	HK0499	HK0500	HK0501	HK0502	HK0503	HK0504	HK0505	HK0506
Ag	0.30	0.50	0.30	0.40	0.20	0.20	0.30	0.20	0.50	0.80	0.60	0.90
As	30.00	56.00	31.00	17.00	12.00	9.00	11.00	12.00	19.00	5.00	8.00	5.00
Ba	440.00	543.00	552.00	511.00	543.00	523.00	558.00	458.00	471.00	296.00	392.00	415.00
Bi	3.00	3.00	6.00	4.00	3.00	2.00	3.00	3.00	2.00	5.00	3.00	4.00
CaO	0.72	0.88	0.31	0.48	0.37	0.28	0.46	0.44	0.61	2.09	1.74	1.59
Cd	0.70	1.50	0.80	0.20	0.20	0.10	0.20	0.30	0.40	2.90	3.10	3.80
Ce	110.00	80.00	104.00	112.00	89.00	101.00	89.00	77.00	115.00	50.00	72.00	59.00
Co	6.80	6.90	5.80	9.10	6.30	7.00	6.50	4.40	10.30	3.10	4.30	4.30
Cr	47.00	81.00	45.00	33.00	69.00	57.00	55.00	59.00	124.00	35.00	26.00	24.00
Cs	19.00	33.00	17.00	5.00	17.00	18.00	20.00	13.00	17.00	1.00	1.00	1.00
Cu	9.50	11.30	7.40	6.60	9.00	7.40	8.30	6.10	5.40	19.10	20.90	30.00
Fe ₂ O ₃	4.79	4.80	5.05	7.40	4.68	4.78	4.42	4.59	5.88	3.79	3.89	4.00
Ga	18.00	16.00	18.00	18.00	17.00	16.00	16.00	14.00	18.00	18.00	17.00	16.00
Ge	2.00	2.00	2.00	2.00	3.00	3.00	3.00	1.00	2.00	3.00	3.00	2.00
Hg	1.11	0.91	0.93	0.85	0.45	1.04	0.58	0.53	0.51	0.47	0.41	0.69
La	49.00	47.00	45.00	84.00	39.00	51.00	47.00	39.00	56.00	32.00	20.00	28.00
MnO	0.09	0.20	0.13	0.34	0.17	0.13	0.19	0.10	0.21	0.33	0.25	0.25
Mo	0.80	0.80	0.90	0.70	0.50	0.50	0.20	0.40	0.50	0.30	0.60	0.40
Nb	26.00	26.00	27.00	25.00	17.00	18.00	16.00	17.00	17.00	20.00	20.00	20.00
Ni	13.00	21.00	15.00	9.00	17.00	15.00	17.00	15.00	25.00	13.00	12.00	11.00
P ₂ O ₅	0.13	0.17	0.10	0.11	0.07	0.07	0.11	0.06	0.11	0.11	0.09	0.12
Pb	39.00	41.00	45.00	52.00	34.00	30.00	88.00	45.00	110.00	647.00	338.00	372.00
Rb	206.00	205.00	231.00	163.00	229.00	213.00	217.00	194.00	189.00	96.00	136.00	163.00
Sb	1.00	2.00	4.00	4.00	4.00	3.00	3.00	2.00	0.00	2.00	0.00	0.00
Sc	13.00	13.00	14.00	23.00	10.00	11.00	10.00	10.00	17.00	13.00	12.00	10.00
Se	0.55	0.46	0.33	0.19	0.35	0.29	0.46	0.30	0.42	0.21	0.23	0.31
Sn	8.00	4.00	7.00	10.00	7.00	7.00	5.00	6.00	2.00	57.00	55.00	66.00
Sr	27.00	30.00	27.00	63.00	33.00	27.00	33.00	33.00	36.00	125.00	113.00	105.00
Th	31.00	26.00	28.00	22.00	22.00	21.00	22.00	16.00	24.00	26.00	21.00	24.00
TiO ₂	1.02	1.05	0.99	1.55	0.68	0.75	0.68	0.73	0.74	0.73	0.76	0.72
U	9.00	8.00	8.00	9.00	8.00	5.00	7.00	5.00	8.00	7.00	8.00	8.00
V	70.00	66.00	73.00	113.00	62.00	70.00	59.00	65.00	72.00	67.00	69.00	62.00
W	6.00	6.00	9.00	7.00	5.00	7.00	6.00	2.00	7.00	9.00	2.00	5.00
Y	50.00	47.00	43.00	90.00	39.00	39.00	39.00	31.00	45.00	44.00	36.00	38.00
Zn	75.00	94.00	71.00	145.00	71.00	57.00	71.00	76.00	115.00	779.00	546.00	610.00
Zr	1347.00	839.00	1329.00	1729.00	466.00	560.00	494.00	438.00	440.00	630.00	634.00	518.00

Sample	HK0507	HK0508	HK0509	HK0510	HK0511	HK0512	HK0513	HK0514	HK0515	HK0516	HK0517	HK0518
Ag	0.50	0.50	0.50	0.30	0.40	0.00	0.10	0.10	0.10	0.20	0.40	0.40
As	5.00	1.00	4.00	3.00	1.00	4.00	5.00	4.00	1.00	8.00	10.00	10.00
Ba	401.00	308.00	509.00	502.00	571.00	511.00	565.00	557.00	616.00	547.00	308.00	381.00
Bi	1.00	4.00	5.00	4.00	3.00	3.00	2.00	2.00	5.00	3.00	4.00	5.00
CaO	1.28	1.56	1.84	1.95	1.99	0.64	0.65	0.46	1.35	0.67	0.67	1.55
Cd	1.90	3.80	1.20	0.30	1.30	0.10	0.20	0.10	0.20	0.60	0.80	1.70
Ce	32.00	54.00	62.00	71.00	62.00	49.00	54.00	87.00	91.00	89.00	72.00	74.00
Co	3.80	4.70	5.10	3.10	4.40	6.60	7.90	8.30	12.10	10.10	6.20	5.20
Cr	21.00	25.00	25.00	20.00	27.00	24.00	21.00	21.00	27.00	23.00	25.00	24.00
Cs	2.00	1.00	14.00	11.00	2.00	7.00	7.00	21.00	29.00	16.00	18.00	16.00
Cu	22.10	25.00	15.50	4.70	11.10	16.20	6.80	9.80	11.70	11.30	9.90	10.20
Fe ₂ O ₃	3.14	3.48	4.03	3.37	3.95	4.68	4.28	5.86	7.36	6.36	4.46	5.41
Ga	12.00	15.00	15.00	15.00	16.00	14.00	12.00	19.00	18.00	19.00	20.00	19.00
Ge	2.00	4.00	3.00	3.00	2.00	2.00	3.00	3.00	3.00	3.00	2.00	2.00
Hg	0.49	0.28	0.69	0.67	0.45	0.00	0.57	0.74	0.78	0.73	0.58	0.00
La	17.00	18.00	34.00	32.00	39.00	35.00	36.00	55.00	52.00	48.00	26.00	31.00
MnO	0.19	0.21	0.22	0.09	0.16	0.07	0.10	0.10	0.17	0.20	0.18	0.26
Mo	0.80	1.00	0.60	0.20	0.30	0.40	0.20	0.40	0.40	0.60	0.50	0.70
Nb	17.00	21.00	19.00	23.00	19.00	19.00	18.00	19.00	22.00	21.00	25.00	21.00
Ni	10.00	7.00	9.00	10.00	13.00	8.00	8.00	17.00	15.00	14.00	8.00	13.00
P ₂ O ₅	0.08	0.07	0.10	0.11	0.13	0.09	0.09	0.08	0.10	0.12	0.04	0.05
Pb	255.00	296.00	188.00	142.00	154.00	33.00	42.00	35.00	112.00	230.00	267.00	304.00
Rb	151.00	111.00	165.00	148.00	153.00	149.00	123.00	232.00	279.00	275.00	261.00	262.00
Sb	0.00	2.00	2.00	0.00	2.00	2.00	1.00	1.00	2.00	2.00	3.00	1.00
Sc	8.00	14.00	12.00	12.00	14.00	13.00	11.00	11.00	23.00	17.00	8.00	12.00
Se	0.45	0.49	0.68	0.28	0.36	0.28	0.28	0.27	0.26	0.34	0.21	0.00
Sn	21.00	186.00	16.00	8.00	12.00	5.00	6.00	7.00	12.00	7.00	12.00	13.00
Sr	92.00	106.00	131.00	148.00	138.00	52.00	48.00	46.00	95.00	54.00	55.00	111.00
Th	19.00	21.00	16.00	13.00	19.00	15.00	14.00	25.00	21.00	24.00	32.00	29.00
TiO ₂	0.74	0.61	1.08	1.35	1.17	1.03	1.19	0.98	1.32	1.04	0.60	0.70
U	6.00	7.00	6.00	8.00	6.00	8.00	6.00	7.00	7.00	8.00	8.00	7.00
V	55.00	55.00	80.00	89.00	82.00	72.00	74.00	78.00	106.00	88.00	53.00	69.00
W	5.00	8.00	7.00	16.00	7.00	3.00	3.00	5.00	7.00	5.00	9.00	6.00
Y	25.00	41.00	32.00	36.00	38.00	37.00	35.00	52.00	51.00	50.00	39.00	41.00
Zn	327.00	633.00	347.00	124.00	217.00	52.00	54.00	68.00	202.00	173.00	259.00	421.00
Zr	675.00	556.00	804.00	1957.00	946.00	1322.00	1343.00	791.00	914.00	674.00	659.00	507.00

Sample	HK0519	HK0520	HK0521	HK0522	HK0523	HK0524	HK0525	HK0526	HK0527	HK0528	HK0529	HK0530
Ag	0.30	0.10	0.20	0.20	0.20	0.20	0.20	0.00	0.00	0.00	0.30	0.00
As	8.00	10.00	8.00	10.00	7.00	4.00	5.00	2.00	5.00	5.00	5.00	11.00
Ba	583.00	260.00	624.00	532.00	537.00	435.00	553.00	429.00	92.00	100.00	117.00	102.00
Bi	4.00	4.00	5.00	3.00	1.00	3.00	1.00	3.00	5.00	3.00	4.00	2.00
CaO	1.60	0.47	1.99	1.43	0.92	2.17	1.62	0.91	0.42	0.37	0.37	0.24
Cd	1.00	0.20	0.60	0.70	0.30	0.70	0.60	0.20	0.20	0.10	0.10	0.00
Ce	55.00	131.00	82.00	88.00	138.00	82.00	91.00	97.00	124.00	192.00	301.00	269.00
Co	7.90	7.80	8.90	7.80	14.00	7.00	8.90	6.80	1.80	1.20	2.30	1.00
Cr	21.00	20.00	21.00	32.00	49.00	29.00	23.00	29.00	39.00	30.00	28.00	54.00
Cs	13.00	14.00	25.00	1.00	23.00	23.00	14.00	3.00	14.00	9.00	18.00	14.00
Cu	9.70	5.70	7.40	15.00	10.70	53.10	9.40	20.40	6.50	9.10	8.70	6.10
Fe ₂ O ₃	4.89	6.44	6.46	5.69	10.29	6.11	7.33	5.50	3.59	3.83	6.36	5.30
Ga	15.00	17.00	19.00	18.00	22.00	17.00	19.00	14.00	28.00	29.00	36.00	34.00
Ge	3.00	3.00	3.00	2.00	2.00	3.00	3.00	2.00	1.00	2.00	3.00	3.00
Hg	0.61	0.51	0.72	0.80	0.85	0.00	0.00	0.68	0.33	0.61	0.92	0.92
La	33.00	29.00	38.00	35.00	64.00	33.00	38.00	35.00	36.00	41.00	40.00	32.00
MnO	0.17	0.17	0.20	0.19	0.28	0.20	0.25	0.18	0.14	0.10	0.13	0.06
Mo	0.60	0.40	0.50	0.30	1.20	0.30	0.40	0.40	1.20	1.20	1.10	1.20
Nb	20.00	20.00	22.00	23.00	22.00	29.00	25.00	43.00	139.00	134.00	86.00	96.00
Ni	10.00	7.00	11.00	14.00	17.00	12.00	14.00	7.00	19.00	18.00	20.00	21.00
P ₂ O ₅	0.09	0.08	0.09	0.12	0.25	0.11	0.16	0.17	0.04	0.03	0.05	0.03
Pb	127.00	99.00	131.00	245.00	90.00	235.00	130.00	50.00	63.00	44.00	61.00	47.00
Rb	240.00	112.00	237.00	211.00	249.00	202.00	221.00	141.00	334.00	407.00	247.00	273.00
Sb	0.00	2.00	0.00	4.00	5.00	0.00	3.00	1.00	3.00	2.00	0.00	4.00
Sc	15.00	15.00	19.00	16.00	24.00	17.00	17.00	16.00	10.00	7.00	16.00	11.00
Se	0.21	0.42	0.17	0.21	0.26	0.00	0.19	0.25	0.63	0.74	0.92	0.71
Sn	5.00	7.00	5.00	12.00	7.00	27.00	15.00	16.00	29.00	27.00	28.00	19.00
Sr	120.00	34.00	146.00	94.00	63.00	143.00	110.00	56.00	16.00	16.00	14.00	13.00
Th	19.00	22.00	19.00	19.00	27.00	19.00	18.00	18.00	100.00	119.00	97.00	104.00
TiO ₂	0.89	1.41	1.10	1.33	1.46	1.55	1.46	2.14	0.34	0.42	0.56	0.49
U	8.00	6.00	8.00	7.00	7.00	8.00	7.00	5.00	18.00	15.00	11.00	10.00
V	73.00	95.00	93.00	93.00	124.00	111.00	111.00	115.00	23.00	23.00	32.00	30.00
W	2.00	3.00	9.00	7.00	2.00	6.00	5.00	5.00	15.00	7.00	12.00	10.00
Y	33.00	23.00	40.00	37.00	50.00	40.00	37.00	35.00	111.00	114.00	84.00	78.00
Zn	199.00	96.00	220.00	244.00	233.00	263.00	242.00	158.00	75.00	65.00	141.00	60.00
Zr	847.00	881.00	794.00	1154.00	693.00	2650.00	1060.00	1992.00	1115.00	1310.00	758.00	889.00

Sample	HK0531	HK0532	HK0533	HK0534	HK0535	HK0536	HK0537	HK0538	HK0539	HK0540	HK0541	HK0542
Ag	0.00	0.00	0.20	0.10	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.30
As	9.00	6.00	11.00	6.00	14.00	10.00	6.00	3.00	4.00	8.00	5.00	7.00
Ba	130.00	101.00	100.00	100.00	145.00	107.00	136.00	141.00	234.00	82.00	9.00	15.00
Bi	6.00	3.00	5.00	4.00	7.00	5.00	5.00	6.00	6.00	5.00	8.00	4.00
CaO	0.31	0.23	0.26	0.25	0.30	0.27	0.38	0.23	0.45	0.39	0.24	0.19
Cd	0.00	0.00	0.00	0.00	0.20	0.20	0.20	0.10	0.40	0.10	0.00	0.00
Ce	332.00	323.00	210.00	182.00	244.00	239.00	264.00	164.00	219.00	128.00	61.00	65.00
Co	1.70	1.30	1.70	1.40	1.30	1.00	2.20	2.60	1.90	1.70	0.70	0.50
Cr	21.00	36.00	37.00	30.00	26.00	54.00	37.00	16.00	41.00	41.00	25.00	16.00
Cs	29.00	18.00	5.00	9.00	17.00	11.00	10.00	6.00	11.00	2.00	5.00	10.00
Cu	8.00	6.90	5.30	4.90	6.10	7.30	8.10	7.90	9.50	11.50	7.50	2.10
Fe ₂ O ₃	7.61	6.87	5.99	5.40	5.29	5.26	4.36	3.53	4.80	4.81	3.76	1.90
Ga	36.00	38.00	32.00	30.00	31.00	32.00	30.00	23.00	23.00	35.00	32.00	28.00
Ge	2.00	4.00	3.00	2.00	3.00	3.00	2.00	3.00	2.00	3.00	3.00	5.00
Hg	0.95	1.12	1.11	1.10	0.87	0.96	0.96	1.01	0.89	0.81	0.67	0.97
La	31.00	35.00	30.00	28.00	36.00	47.00	48.00	38.00	42.00	30.00	13.00	15.00
MnO	0.10	0.07	0.20	0.08	0.10	0.09	0.11	0.17	0.20	0.14	0.11	0.10
Mo	2.40	2.00	1.30	1.10	0.70	1.50	1.30	3.40	2.10	6.30	1.30	0.60
Nb	67.00	72.00	116.00	87.00	71.00	89.00	66.00	96.00	54.00	156.00	153.00	243.00
Ni	15.00	16.00	16.00	13.00	13.00	23.00	17.00	16.00	14.00	23.00	15.00	19.00
P ₂ O ₅	0.03	0.03	0.03	0.03	0.03	0.04	0.03	0.03	0.05	0.04	0.02	0.02
Pb	65.00	55.00	56.00	41.00	48.00	43.00	81.00	112.00	68.00	63.00	31.00	47.00
Rb	148.00	172.00	263.00	154.00	159.00	235.00	274.00	355.00	167.00	282.00	306.00	643.00
Sb	2.00	3.00	0.00	0.00	2.00	0.00	3.00	0.00	2.00	3.00	0.00	2.00
Sc	17.00	17.00	10.00	11.00	11.00	12.00	11.00	8.00	7.00	10.00	9.00	6.00
Se	0.88	0.72	0.69	0.52	0.59	0.74	0.70	0.47	0.69	0.68	0.99	0.32
Sn	25.00	23.00	34.00	20.00	20.00	31.00	20.00	132.00	37.00	244.00	90.00	575.00
Sr	15.00	13.00	12.00	15.00	20.00	17.00	24.00	24.00	27.00	18.00	7.00	7.00
Th	88.00	103.00	98.00	85.00	80.00	95.00	87.00	70.00	63.00	109.00	87.00	104.00
TiO ₂	0.67	0.65	0.58	0.61	0.60	0.51	0.43	0.43	0.63	0.34	0.20	0.12
U	7.00	10.00	12.00	11.00	10.00	10.00	9.00	15.00	11.00	17.00	12.00	24.00
V	38.00	36.00	30.00	31.00	30.00	31.00	26.00	22.00	35.00	28.00	19.00	7.00
W	9.00	10.00	4.00	6.00	9.00	9.00	7.00	7.00	6.00	22.00	19.00	32.00
Y	58.00	74.00	71.00	68.00	65.00	96.00	73.00	86.00	63.00	157.00	58.00	96.00
Zn	71.00	55.00	64.00	64.00	77.00	88.00	75.00	79.00	118.00	89.00	51.00	27.00
Zr	810.00	1061.00	1327.00	1388.00	1076.00	898.00	626.00	1767.00	1570.00	826.00	483.00	1080.00

Sample	HK0543	HK0544	HK0545	HK0546	HK0547	HK0548	HK0549	HK0550	HK0551	HK0552	HK0553	HK0554
Ag	0.10	0.30	0.70	0.50	1.30	0.80	0.40	0.10	0.20	0.30	0.20	0.70
As	11.00	3.00	54.00	41.00	36.00	45.00	25.00	11.00	9.00	5.00	14.00	8.00
Ba	41.00	32.00	321.00	319.00	208.00	344.00	48.00	692.00	548.00	690.00	709.00	643.00
Bi	9.00	5.00	35.00	32.00	28.00	32.00	34.00	7.00	3.00	5.00	5.00	5.00
CaO	0.28	0.41	0.46	0.42	0.73	0.41	0.32	0.56	0.46	0.62	0.62	0.55
Cd	0.00	0.20	1.70	1.40	1.40	1.30	0.90	0.10	0.20	0.30	0.30	0.50
Ce	84.00	120.00	73.00	84.00	73.00	101.00	98.00	102.00	121.00	150.00	66.00	138.00
Co	0.90	1.40	13.10	10.40	7.70	13.20	2.40	3.10	3.20	3.60	4.60	5.10
Cr	34.00	54.00	40.00	52.00	50.00	46.00	24.00	21.00	32.00	23.00	15.00	20.00
Cs	27.00	13.00	15.00	8.00	1.00	8.00	1.00	3.00	14.00	11.00	5.00	6.00
Cu	8.10	6.30	98.30	88.00	46.70	103.30	21.20	3.90	5.00	4.30	4.20	6.70
Fe ₂ O ₃	5.13	2.47	7.49	6.85	5.67	7.63	4.78	3.89	5.12	6.44	5.43	5.54
Ga	38.00	28.00	13.00	15.00	12.00	16.00	19.00	15.00	17.00	16.00	11.00	20.00
Ge	2.00	3.00	1.00	2.00	2.00	2.00	4.00	2.00	1.00	3.00	1.00	1.00
Hg	0.92	1.02	0.00	1.00	0.00	0.95	0.71	0.00	0.00	0.00	0.39	0.00
La	20.00	22.00	31.00	41.00	32.00	40.00	26.00	45.00	42.00	69.00	31.00	76.00
MnO	0.10	0.25	0.49	0.35	0.56	0.50	0.26	0.12	0.17	0.30	0.17	0.49
Mo	4.60	0.60	15.10	15.00	59.90	17.50	17.00	0.50	0.80	0.60	0.90	1.10
Nb	139.00	153.00	10.00	13.00	14.00	13.00	73.00	27.00	29.00	18.00	15.00	24.00
Ni	16.00	28.00	17.00	25.00	21.00	26.00	13.00	11.00	13.00	15.00	9.00	15.00
P ₂ O ₅	0.02	0.05	0.15	0.17	0.16	0.20	0.07	0.09	0.08	0.16	0.08	0.12
Pb	39.00	82.00	168.00	145.00	257.00	170.00	194.00	34.00	38.00	31.00	20.00	64.00
Rb	300.00	635.00	185.00	206.00	186.00	201.00	202.00	105.00	185.00	210.00	113.00	206.00
Sb	2.00	2.00	3.00	1.00	2.00	1.00	4.00	0.00	2.00	0.00	3.00	3.00
Sc	13.00	8.00	10.00	13.00	12.00	14.00	9.00	7.00	14.00	12.00	13.00	17.00
Se	1.21	0.83	0.32	0.41	0.34	0.53	0.38	0.76	0.34	0.30	0.24	0.39
Sn	94.00	19.00	65.00	113.00	165.00	76.00	432.00	14.00	12.00	13.00	7.00	11.00
Sr	10.00	13.00	12.00	14.00	15.00	17.00	9.00	81.00	80.00	122.00	61.00	79.00
Th	113.00	95.00	21.00	24.00	21.00	26.00	67.00	25.00	28.00	23.00	16.00	33.00
TiO ₂	0.27	0.22	0.65	0.67	0.55	0.82	0.25	0.74	0.69	0.69	0.75	0.49
U	11.00	21.00	5.00	6.00	4.00	5.00	11.00	7.00	8.00	8.00	5.00	7.00
V	24.00	14.00	53.00	67.00	56.00	76.00	20.00	49.00	50.00	46.00	41.00	43.00
W	17.00	12.00	11.00	15.00	14.00	13.00	34.00	3.00	6.00	2.00	2.00	6.00
Y	69.00	126.00	32.00	36.00	43.00	41.00	70.00	41.00	38.00	33.00	21.00	51.00
Zn	63.00	109.00	194.00	242.00	405.00	296.00	325.00	73.00	110.00	101.00	65.00	144.00
Zr	472.00	591.00	223.00	344.00	317.00	256.00	385.00	3360.00	1117.00	2710.00	1331.00	434.00

Sample	HK0555	HK0556	HK0557	HK0558	HK0559	HK0560	HK0561	HK0562	HK0563	HK0564	HK0565	HK0566
Ag	0.50	0.20	0.30	0.10	0.20	0.20	0.50	0.10	0.30	0.40	0.30	0.20
As	11.00	3.00	8.00	8.00	6.00	7.00	6.00	10.00	5.00	11.00	4.00	7.00
Ba	527.00	49.00	85.00	148.00	166.00	33.00	58.00	128.00	231.00	317.00	462.00	279.00
Bi	6.00	4.00	5.00	4.00	6.00	6.00	6.00	6.00	5.00	3.00	4.00	3.00
CaO	0.64	0.38	0.50	0.50	0.47	0.32	0.36	0.62	0.70	0.49	0.55	0.90
Cd	0.80	0.20	0.40	0.10	0.10	0.20	0.30	0.30	0.50	0.40	0.20	0.40
Ce	188.00	62.00	184.00	106.00	83.00	77.00	100.00	154.00	173.00	131.00	103.00	55.00
Co	4.60	0.70	1.90	1.70	1.90	0.80	2.00	1.90	3.50	3.00	5.50	3.30
Cr	110.00	17.00	92.00	30.00	16.00	55.00	38.00	59.00	33.00	21.00	16.00	25.00
Cs	6.00	1.00	5.00	8.00	2.00	5.00	1.00	7.00	1.00	1.00	9.00	13.00
Cu	9.10	3.00	13.10	6.00	9.70	4.10	6.10	12.90	17.60	10.40	6.00	83.00
Fe ₂ O ₃	5.45	1.66	3.28	3.68	2.99	2.87	3.14	4.16	4.59	3.34	4.39	3.23
Ga	21.00	25.00	30.00	30.00	22.00	27.00	30.00	22.00	26.00	20.00	18.00	13.00
Ge	2.00	3.00	3.00	3.00	2.00	3.00	2.00	1.00	2.00	2.00	2.00	2.00
Hg	0.00	0.33	0.33	0.00	0.62	0.00	0.91	0.00	0.51	0.45	0.56	0.39
La	107.00	24.00	35.00	23.00	22.00	16.00	18.00	32.00	63.00	60.00	48.00	26.00
MnO	0.40	0.12	0.18	0.10	0.09	0.19	0.28	0.14	0.28	0.22	0.15	0.10
Mo	0.80	0.80	0.90	0.60	0.60	0.60	0.90	0.80	1.10	1.00	0.70	0.80
Nb	24.00	99.00	102.00	112.00	86.00	117.00	132.00	44.00	47.00	48.00	20.00	23.00
Ni	18.00	22.00	29.00	20.00	16.00	22.00	22.00	17.00	19.00	15.00	12.00	16.00
P ₂ O ₅	0.13	0.03	0.05	0.12	0.30	0.03	0.03	0.13	0.16	0.14	0.09	0.09
Pb	78.00	47.00	85.00	76.00	56.00	57.00	74.00	76.00	112.00	69.00	73.00	51.00
Rb	194.00	538.00	480.00	380.00	345.00	416.00	463.00	230.00	224.00	254.00	286.00	162.00
Sb	2.00	2.00	0.00	2.00	2.00	1.00	1.00	0.00	2.00	0.00	0.00	0.00
Sc	13.00	5.00	11.00	11.00	8.00	12.00	9.00	10.00	9.00	12.00	11.00	6.00
Se	0.71	0.48	0.58	0.44	0.00	0.30	0.95	0.55	0.84	0.64	0.36	0.54
Sn	51.00	25.00	29.00	26.00	31.00	22.00	24.00	20.00	27.00	17.00	20.00	18.00
Sr	72.00	20.00	21.00	28.00	32.00	12.00	14.00	24.00	41.00	59.00	70.00	42.00
Th	27.00	73.00	84.00	93.00	74.00	86.00	94.00	67.00	75.00	56.00	35.00	32.00
TiO ₂	0.58	0.13	0.25	0.28	0.34	0.20	0.22	0.37	0.35	0.35	0.55	0.56
U	9.00	26.00	17.00	14.00	15.00	16.00	17.00	13.00	10.00	9.00	11.00	12.00
V	43.00	8.00	21.00	21.00	21.00	14.00	19.00	25.00	23.00	24.00	49.00	37.00
W	4.00	14.00	17.00	8.00	7.00	13.00	13.00	6.00	5.00	6.00	4.00	5.00
Y	57.00	154.00	148.00	101.00	74.00	102.00	111.00	70.00	93.00	69.00	38.00	38.00
Zn	173.00	59.00	128.00	98.00	88.00	109.00	89.00	152.00	200.00	131.00	142.00	86.00
Zr	615.00	706.00	622.00	921.00	1779.00	663.00	631.00	653.00	701.00	693.00	848.00	1337.00

Sample	HK0567	HK0568	HK0569	HK0570	HK0571	HK0572	HK0573	HK0574	HK0575	HK0576	HK0577	HK0578
Ag	0.30	0.20	0.20	0.10	0.10	0.20	0.20	0.20	0.40	0.20	0.10	0.20
As	9.00	8.00	6.00	7.00	5.00	10.00	12.00	11.00	13.00	48.00	72.00	10.00
Ba	262.00	234.00	253.00	303.00	322.00	335.00	372.00	18.00	8.00	288.00	220.00	214.00
Bi	4.00	3.00	5.00	4.00	5.00	3.00	5.00	3.00	2.00	4.00	4.00	4.00
CaO	0.50	0.56	0.56	0.60	0.58	0.41	0.56	0.39	0.26	0.37	0.21	0.22
Cd	0.60	0.50	0.30	0.30	0.20	0.10	0.20	0.00	0.10	0.80	1.50	0.00
Ce	82.00	67.00	67.00	82.00	87.00	71.00	189.00	63.00	47.00	111.00	77.00	123.00
Co	2.60	2.30	2.50	3.60	3.20	3.00	3.40	1.60	0.70	1.00	0.40	1.90
Cr	14.00	23.00	15.00	16.00	16.00	20.00	34.00	12.00	15.00	79.00	43.00	42.00
Cs	16.00	1.00	9.00	10.00	4.00	15.00	15.00	19.00	2.00	40.00	46.00	11.00
Cu	7.50	8.50	6.30	12.00	15.70	4.70	20.00	2.20	5.30	3.00	2.80	2.60
Fe ₂ O ₃	2.84	2.54	2.47	3.25	2.88	3.42	5.45	2.26	1.64	2.33	2.54	5.60
Ga	17.00	15.00	16.00	15.00	15.00	14.00	21.00	13.00	14.00	16.00	19.00	23.00
Ge	2.00	1.00	2.00	1.00	2.00	2.00	2.00	2.00	2.00	3.00	4.00	2.00
Hg	0.42	0.84	0.99	1.01	0.97	0.95	0.00	0.78	0.24	0.24	0.23	0.46
La	29.00	35.00	28.00	25.00	31.00	39.00	53.00	16.00	24.00	65.00	38.00	36.00
MnO	0.12	0.14	0.13	0.10	0.08	0.09	0.14	0.14	0.05	0.06	0.05	0.07
Mo	1.20	0.60	0.60	0.90	0.60	0.50	0.70	0.80	0.00	0.80	1.90	0.70
Nb	24.00	24.00	22.00	22.00	22.00	22.00	38.00	66.00	52.00	43.00	34.00	33.00
Ni	14.00	15.00	10.00	10.00	10.00	11.00	16.00	13.00	11.00	12.00	6.00	9.00
P ₂ O ₅	0.06	0.08	0.08	0.20	0.31	0.10	0.26	0.04	0.03	0.04	0.03	0.03
Pb	63.00	53.00	56.00	76.00	63.00	35.00	79.00	34.00	34.00	34.00	31.00	28.00
Rb	237.00	209.00	213.00	235.00	228.00	168.00	212.00	192.00	284.00	214.00	240.00	195.00
Sb	0.00	0.00	1.00	2.00	0.00	0.00	0.00	0.00	2.00	20.00	26.00	2.00
Sc	5.00	4.00	8.00	3.00	6.00	10.00	14.00	3.00	3.00	3.00	6.00	9.00
Se	0.40	0.69	0.64	0.41	0.48	0.43	0.39	0.62	0.23	0.29	0.17	0.41
Sn	11.00	13.00	15.00	26.00	20.00	8.00	25.00	11.00	12.00	7.00	12.00	6.00
Sr	44.00	36.00	44.00	41.00	42.00	44.00	47.00	12.00	13.00	28.00	12.00	24.00
Th	43.00	36.00	29.00	36.00	36.00	26.00	48.00	36.00	40.00	41.00	40.00	48.00
TiO ₂	0.35	0.36	0.35	0.48	0.43	0.57	0.64	0.28	0.17	0.38	0.26	0.46
U	10.00	10.00	12.00	9.00	7.00	10.00	7.00	8.00	9.00	8.00	6.00	10.00
V	24.00	24.00	22.00	35.00	28.00	40.00	41.00	14.00	9.00	21.00	14.00	28.00
W	3.00	5.00	2.00	2.00	3.00	4.00	3.00	8.00	3.00	2.00	5.00	4.00
Y	50.00	53.00	49.00	36.00	42.00	46.00	50.00	106.00	59.00	67.00	57.00	38.00
Zn	108.00	95.00	82.00	121.00	109.00	63.00	151.00	31.00	19.00	18.00	10.00	47.00
Zr	460.00	417.00	691.00	688.00	656.00	936.00	1111.00	413.00	391.00	1139.00	414.00	1089.00

Sample	HK0579	HK0580	HK0581	HK0582	HK0583	HK0584	HK0585	HK0586	HK0587	HK0588	HK0589	HK0590
Ag	0.00	0.00	0.10	0.10	0.10	0.20	0.00	0.00	0.20	0.00	0.00	0.00
As	10.00	9.00	9.00	10.00	14.00	10.00	17.00	15.00	15.00	18.00	10.00	11.00
Ba	121.00	191.00	173.00	212.00	248.00	331.00	294.00	153.00	227.00	262.00	151.00	176.00
Bi	4.00	7.00	3.00	5.00	7.00	6.00	1.00	2.00	2.00	2.00	4.00	3.00
CaO	0.32	0.29	0.37	0.30	0.38	0.37	0.20	0.19	0.24	0.22	0.18	0.15
Cd	0.00	0.00	0.10	0.10	0.10	0.00	0.30	0.20	0.20	0.30	0.00	0.00
Ce	159.00	131.00	94.00	159.00	82.00	141.00	32.00	42.00	34.00	34.00	29.00	27.00
Co	1.20	1.70	1.80	2.50	2.10	2.40	4.30	5.20	4.70	2.90	0.20	0.70
Cr	34.00	14.00	50.00	20.00	17.00	27.00	50.00	31.00	46.00	44.00	40.00	38.00
Cs	3.00	10.00	12.00	5.00	13.00	6.00	8.00	10.00	1.00	1.00	1.00	4.00
Cu	3.00	1.90	6.80	2.00	2.00	1.80	7.50	2.90	5.50	9.40	3.60	2.50
Fe ₂ O ₃	4.03	2.65	5.42	3.45	5.07	4.30	2.96	1.77	2.39	2.81	2.25	1.92
Ga	19.00	14.00	23.00	16.00	19.00	17.00	9.00	6.00	7.00	9.00	7.00	7.00
Ge	2.00	2.00	2.00	4.00	3.00	2.00	2.00	2.00	1.00	2.00	2.00	2.00
Hg	0.76	0.78	0.97	0.83	0.20	0.41	0.87	0.34	0.00	0.24	0.18	0.19
La	23.00	43.00	34.00	39.00	20.00	43.00	24.00	18.00	17.00	26.00	12.00	17.00
MnO	0.05	0.08	0.05	0.12	0.12	0.14	0.05	0.08	0.08	0.05	0.01	0.01
Mo	0.50	0.30	0.60	0.70	0.70	0.20	0.20	0.10	0.00	0.30	0.50	0.40
Nb	34.00	34.00	33.00	32.00	25.00	22.00	12.00	11.00	12.00	11.00	11.00	12.00
Ni	6.00	6.00	12.00	10.00	6.00	8.00	10.00	7.00	8.00	7.00	4.00	4.00
P ₂ O ₅	0.03	0.03	0.03	0.04	0.03	0.07	0.06	0.05	0.06	0.05	0.04	0.03
Pb	26.00	26.00	24.00	31.00	22.00	28.00	29.00	15.00	36.00	65.00	42.00	9.00
Rb	52.00	127.00	125.00	128.00	100.00	95.00	75.00	51.00	63.00	79.00	64.00	53.00
Sb	3.00	3.00	0.00	2.00	1.00	2.00	3.00	4.00	2.00	1.00	0.00	1.00
Sc	8.00	6.00	8.00	9.00	9.00	7.00	10.00	6.00	4.00	8.00	7.00	5.00
Se	0.60	0.36	0.58	0.50	0.36	0.49	0.33	0.31	0.30	0.38	0.33	0.39
Sn	4.00	4.00	9.00	6.00	8.00	2.00	2.00	2.00	2.00	5.00	5.00	5.00
Sr	16.00	29.00	21.00	24.00	26.00	43.00	8.00	8.00	8.00	9.00	9.00	11.00
Th	46.00	40.00	53.00	37.00	36.00	36.00	11.00	6.00	7.00	11.00	6.00	4.00
TiO ₂	0.54	0.50	0.53	0.53	0.54	0.62	0.65	0.51	0.58	0.65	0.55	0.53
U	8.00	9.00	8.00	11.00	8.00	13.00	2.00	3.00	2.00	3.00	4.00	2.00
V	32.00	29.00	35.00	32.00	35.00	43.00	50.00	35.00	44.00	46.00	39.00	36.00
W	2.00	5.00	3.00	4.00	2.00	4.00	2.00	2.00	2.00	2.00	2.00	2.00
Y	27.00	44.00	45.00	39.00	25.00	39.00	22.00	19.00	19.00	20.00	14.00	15.00
Zn	32.00	24.00	36.00	34.00	42.00	38.00	20.00	10.00	23.00	28.00	5.00	4.00
Zr	1577.00	3145.00	2176.00	2358.00	1224.00	5395.00	371.00	364.00	388.00	396.00	690.00	435.00

Sample	HK0591	HK0592	HK0593	HK0594	HK0595	HK0596	HK0597	HK0598	HK0599	HK0600	HK0601	HK0602
Ag	0.00	0.30	0.10	0.30	0.00	0.00	0.20	0.30	0.20	0.10	0.20	0.20
As	10.00	12.00	65.00	51.00	9.00	4.00	14.00	13.00	17.00	18.00	14.00	13.00
Ba	134.00	70.00	386.00	304.00	146.00	215.00	516.00	677.00	485.00	416.00	467.00	395.00
Bi	6.00	3.00	5.00	4.00	3.00	4.00	4.00	1.00	4.00	4.00	2.00	7.00
CaO	0.13	0.11	0.23	0.43	0.15	1.30	0.35	0.74	0.43	0.21	0.38	0.25
Cd	0.00	0.20	1.40	1.30	0.00	0.00	0.20	0.20	0.20	0.20	0.20	0.30
Ce	27.00	33.00	96.00	94.00	47.00	52.00	74.00	94.00	85.00	61.00	84.00	116.00
Co	0.80	2.60	3.90	27.90	0.70	14.40	6.90	10.20	9.00	6.00	8.00	9.30
Cr	35.00	38.00	97.00	81.00	30.00	44.00	36.00	32.00	33.00	37.00	26.00	20.00
Cs	6.00	10.00	15.00	18.00	8.00	5.00	6.00	19.00	22.00	17.00	4.00	16.00
Cu	2.80	2.40	11.20	10.00	2.30	7.20	9.60	8.40	4.60	2.40	3.80	5.00
Fe ₂ O ₃	1.74	1.12	4.33	5.07	2.19	2.62	5.25	6.93	5.46	3.86	4.75	4.33
Ga	5.00	4.00	19.00	15.00	7.00	8.00	17.00	20.00	18.00	11.00	14.00	13.00
Ge	1.00	1.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.00	2.00
Hg	0.36	0.25	0.24	0.35	0.27	0.15	0.61	0.60	0.90	0.35	0.47	0.58
La	12.00	18.00	39.00	44.00	18.00	20.00	34.00	66.00	36.00	27.00	46.00	52.00
MnO	0.02	0.01	0.06	0.30	0.02	0.10	0.13	0.16	0.14	0.07	0.10	0.21
Mo	0.20	1.00	0.90	1.50	0.30	0.60	0.60	0.40	0.30	0.30	0.30	0.50
Nb	10.00	25.00	21.00	20.00	9.00	12.00	15.00	17.00	20.00	24.00	22.00	23.00
Ni	3.00	4.00	20.00	24.00	6.00	7.00	16.00	19.00	18.00	10.00	13.00	14.00
P ₂ O ₅	0.04	0.02	0.07	0.11	0.05	0.05	0.09	0.14	0.13	0.08	0.14	0.08
Pb	24.00	20.00	83.00	66.00	22.00	15.00	44.00	43.00	30.00	17.00	26.00	62.00
Rb	39.00	40.00	167.00	139.00	48.00	73.00	238.00	208.00	204.00	151.00	159.00	203.00
Sb	0.00	2.00	4.00	0.00	3.00	2.00	4.00	2.00	0.00	2.00	3.00	6.00
Sc	1.00	4.00	11.00	13.00	5.00	5.00	16.00	19.00	16.00	13.00	13.00	7.00
Se	0.34	0.28	0.48	0.70	0.35	0.16	0.31	0.13	0.19	0.11	0.26	0.22
Sn	3.00	4.00	10.00	6.00	2.00	7.00	9.00	4.00	6.00	4.00	3.00	11.00
Sr	6.00	7.00	52.00	37.00	6.00	16.00	28.00	74.00	35.00	23.00	28.00	37.00
Th	4.00	7.00	24.00	22.00	5.00	13.00	22.00	25.00	24.00	16.00	18.00	25.00
TiO ₂	0.54	0.64	0.89	0.95	0.51	0.46	0.73	1.00	1.02	1.16	1.04	0.78
U	2.00	4.00	5.00	5.00	2.00	4.00	5.00	7.00	5.00	5.00	5.00	8.00
V	31.00	29.00	90.00	94.00	34.00	39.00	69.00	93.00	81.00	70.00	73.00	57.00
W	2.00	2.00	3.00	2.00	3.00	8.00	6.00	5.00	2.00	3.00	3.00	4.00
Y	14.00	25.00	28.00	36.00	15.00	24.00	31.00	54.00	38.00	34.00	38.00	40.00
Zn	10.00	9.00	28.00	70.00	16.00	16.00	83.00	104.00	66.00	40.00	56.00	49.00
Zr	426.00	872.00	281.00	339.00	471.00	918.00	330.00	739.00	571.00	1054.00	579.00	1256.00

Sample	HK0603	HK0604	HK0605	HK0606	HK0607	HK0608	HK0609	HK0610	HK0611	HK0612	HK0613	HK0614
Ag	0.20	0.30	0.30	0.40	0.20	0.00	0.00	0.10	0.00	0.20	0.20	0.00
As	17.00	12.00	20.00	34.00	29.00	15.00	33.00	39.00	51.00	35.00	34.00	33.00
Ba	387.00	490.00	376.00	410.00	423.00	369.00	428.00	410.00	301.00	484.00	515.00	487.00
Bi	7.00	4.00	5.00	4.00	2.00	1.00	3.00	4.00	5.00	3.00	2.00	3.00
CaO	0.23	1.06	0.51	0.62	0.36	0.13	0.38	0.80	0.29	0.35	0.44	0.55
Cd	0.20	1.10	0.60	0.80	0.40	0.00	0.50	0.60	1.10	0.70	0.70	0.60
Ce	105.00	99.00	91.00	72.00	90.00	45.00	69.00	69.00	77.00	85.00	103.00	83.00
Co	7.20	5.70	3.50	3.90	7.10	0.00	3.00	4.50	2.10	5.40	6.70	5.90
Cr	21.00	38.00	16.00	56.00	57.00	17.00	22.00	33.00	27.00	23.00	96.00	52.00
Cs	11.00	9.00	17.00	18.00	14.00	15.00	25.00	27.00	26.00	21.00	18.00	27.00
Cu	10.20	7.70	3.90	5.70	5.70	1.40	12.60	11.60	7.10	10.00	7.10	4.70
Fe ₂ O ₃	3.61	3.85	2.53	4.01	5.30	2.02	4.45	3.91	4.11	5.39	5.84	5.36
Ga	15.00	16.00	13.00	19.00	18.00	9.00	14.00	13.00	15.00	18.00	20.00	17.00
Ge	1.00	2.00	3.00	3.00	2.00	2.00	2.00	2.00	1.00	3.00	1.00	2.00
Hg	0.41	0.25	0.52	0.51	0.59	0.29	0.36	0.77	0.83	1.00	0.88	0.92
La	45.00	48.00	39.00	50.00	68.00	25.00	43.00	41.00	30.00	40.00	45.00	52.00
MnO	0.16	0.25	0.17	0.19	0.18	0.01	0.05	0.07	0.02	0.09	0.14	0.11
Mo	0.50	0.20	0.30	0.60	0.40	0.10	0.60	0.70	1.80	0.80	0.60	0.80
Nb	24.00	20.00	27.00	24.00	21.00	23.00	27.00	22.00	21.00	27.00	26.00	21.00
Ni	12.00	18.00	11.00	15.00	15.00	7.00	13.00	17.00	11.00	11.00	19.00	15.00
P ₂ O ₅	0.05	0.12	0.08	0.10	0.07	0.02	0.09	0.14	0.08	0.10	0.11	0.12
Pb	63.00	169.00	82.00	114.00	81.00	14.00	26.00	39.00	31.00	37.00	44.00	38.00
Rb	202.00	222.00	235.00	253.00	199.00	111.00	190.00	183.00	169.00	208.00	211.00	206.00
Sb	3.00	2.00	0.00	4.00	3.00	9.00	4.00	4.00	4.00	3.00	5.00	2.00
Sc	7.00	9.00	7.00	11.00	12.00	4.00	11.00	7.00	7.00	12.00	14.00	13.00
Se	0.16	0.46	0.25	0.34	0.25	0.15	0.41	0.52	0.61	0.42	0.38	0.52
Sn	8.00	4.00	9.00	11.00	8.00	31.00	13.00	13.00	5.00	9.00	9.00	6.00
Sr	38.00	61.00	42.00	41.00	32.00	11.00	17.00	22.00	15.00	19.00	28.00	21.00
Th	24.00	29.00	29.00	40.00	26.00	16.00	24.00	23.00	24.00	28.00	31.00	28.00
TiO ₂	0.91	0.66	0.66	0.63	0.90	0.36	0.83	0.63	0.71	1.04	1.15	0.89
U	8.00	11.00	10.00	12.00	9.00	4.00	6.00	5.00	5.00	7.00	6.00	6.00
V	58.00	48.00	40.00	49.00	76.00	24.00	60.00	47.00	56.00	77.00	80.00	70.00
W	4.00	8.00	7.00	8.00	2.00	2.00	9.00	10.00	7.00	10.00	11.00	5.00
Y	44.00	46.00	44.00	51.00	64.00	35.00	41.00	34.00	34.00	39.00	42.00	40.00
Zn	49.00	240.00	80.00	100.00	57.00	26.00	53.00	64.00	36.00	60.00	75.00	59.00
Zr	1646.00	705.00	1230.00	663.00	1201.00	666.00	1204.00	606.00	500.00	848.00	707.00	415.00

Sample	HK0615	HK0616	HK0617	HK0618	HK0619	HK0620	HK0621	HK0622	HK0623	HK0624	HK0625	HK0626
Ag	0.00	0.00	0.00	0.30	0.50	0.20	0.20	0.20	0.30	0.20	0.40	0.20
As	28.00	38.00	14.00	63.00	42.00	9.00	16.00	9.00	10.00	5.00	10.00	10.00
Ba	460.00	465.00	844.00	365.00	350.00	196.00	217.00	209.00	259.00	183.00	348.00	356.00
Bi	4.00	5.00	3.00	2.00	4.00	3.00	3.00	4.00	5.00	2.00	3.00	3.00
CaO	0.38	0.34	0.28	0.39	0.40	0.34	0.35	0.41	0.40	0.35	0.49	0.37
Cd	0.40	0.60	0.20	1.40	1.30	0.00	0.20	0.30	0.30	0.50	0.50	0.10
Ce	84.00	71.00	54.00	72.00	67.00	145.00	155.00	162.00	127.00	125.00	206.00	106.00
Co	1.70	4.00	2.40	8.60	10.20	2.20	1.50	1.60	1.30	1.10	1.30	1.30
Cr	50.00	21.00	16.00	24.00	18.00	45.00	66.00	19.00	10.00	13.00	18.00	12.00
Cs	22.00	20.00	18.00	8.00	16.00	8.00	6.00	15.00	14.00	5.00	13.00	1.00
Cu	3.40	5.50	1.80	4.20	7.10	1.80	2.20	2.70	3.10	2.70	4.40	2.50
Fe ₂ O ₃	4.65	4.38	3.93	3.50	3.28	3.51	4.03	3.24	2.96	2.85	2.87	3.12
Ga	17.00	15.00	14.00	13.00	11.00	17.00	19.00	18.00	19.00	20.00	17.00	17.00
Ge	1.00	2.00	1.00	2.00	2.00	3.00	2.00	1.00	2.00	1.00	1.00	2.00
Hg	1.07	0.83	1.27	0.00	0.47	0.45	0.54	0.58	0.96	1.05	1.02	0.00
La	39.00	35.00	37.00	34.00	32.00	115.00	80.00	93.00	67.00	55.00	88.00	38.00
MnO	0.03	0.05	0.06	0.25	0.37	0.20	0.12	0.15	0.24	0.20	0.40	0.17
Mo	0.40	0.60	0.10	0.70	0.60	0.70	0.60	0.90	0.60	0.60	0.60	0.80
Nb	22.00	21.00	18.00	27.00	28.00	35.00	35.00	43.00	32.00	32.00	26.00	38.00
Ni	15.00	11.00	12.00	10.00	10.00	15.00	11.00	12.00	10.00	11.00	15.00	13.00
P ₂ O ₅	0.09	0.12	0.05	0.08	0.08	0.04	0.03	0.04	0.05	0.04	0.08	0.05
Pb	40.00	37.00	23.00	46.00	97.00	53.00	34.00	51.00	52.00	47.00	55.00	37.00
Rb	194.00	171.00	148.00	174.00	143.00	164.00	182.00	178.00	199.00	191.00	177.00	165.00
Sb	4.00	3.00	6.00	3.00	2.00	0.00	3.00	2.00	0.00	3.00	0.00	0.00
Sc	12.00	12.00	10.00	11.00	10.00	10.00	13.00	10.00	12.00	14.00	10.00	11.00
Se	0.56	0.62	0.12	0.33	0.96	0.55	0.60	0.71	0.50	0.62	0.77	0.19
Sn	4.00	8.00	7.00	5.00	157.00	8.00	5.00	7.00	5.00	6.00	9.00	13.00
Sr	16.00	17.00	31.00	17.00	19.00	21.00	23.00	22.00	27.00	19.00	41.00	34.00
Th	24.00	23.00	17.00	24.00	18.00	32.00	35.00	33.00	30.00	34.00	28.00	28.00
TiO ₂	0.78	0.73	0.49	0.65	0.69	0.34	0.54	0.38	0.26	0.21	0.33	0.42
U	5.00	6.00	4.00	6.00	6.00	6.00	4.00	6.00	7.00	7.00	8.00	8.00
V	61.00	57.00	39.00	47.00	43.00	15.00	32.00	20.00	12.00	8.00	15.00	21.00
W	4.00	5.00	2.00	5.00	7.00	6.00	2.00	7.00	2.00	3.00	2.00	5.00
Y	41.00	40.00	32.00	36.00	34.00	54.00	52.00	59.00	55.00	59.00	59.00	51.00
Zn	41.00	48.00	37.00	44.00	195.00	69.00	55.00	72.00	121.00	101.00	95.00	90.00
Zr	373.00	502.00	479.00	836.00	832.00	449.00	477.00	699.00	463.00	449.00	542.00	2117.00

Sample	HK0627	HK0628	HK0629	HK0630	HK0631	HK0632	HK0633	HK0634	HK0635	HK0636	HK0637	HK0638
Ag	0.20	0.20	0.20	0.30	0.40	0.20	0.40	0.20	0.60	0.50	0.50	0.20
As	10.00	7.00	13.00	9.00	11.00	10.00	11.00	5.00	54.00	46.00	37.00	13.00
Ba	108.00	99.00	236.00	388.00	324.00	145.00	377.00	217.00	365.00	347.00	308.00	211.00
Bi	4.00	3.00	4.00	5.00	3.00	3.00	1.00	2.00	6.00	9.00	5.00	5.00
CaO	0.41	0.22	0.37	0.36	0.56	0.25	0.52	0.36	0.77	0.41	0.47	0.14
Cd	0.40	0.10	0.20	0.40	0.20	0.00	0.40	0.30	3.00	2.40	2.20	0.00
Ce	181.00	136.00	125.00	100.00	95.00	163.00	129.00	122.00	103.00	48.00	91.00	29.00
Co	0.90	0.70	1.40	2.70	4.10	3.60	1.50	1.60	9.20	9.60	7.60	1.40
Cr	7.00	9.00	27.00	19.00	16.00	54.00	14.00	14.00	46.00	30.00	30.00	27.00
Cs	12.00	15.00	15.00	2.00	7.00	5.00	4.00	21.00	1.00	4.00	6.00	7.00
Cu	2.10	2.10	2.80	4.50	8.10	3.90	3.40	2.20	57.40	42.20	41.20	11.00
Fe ₂ O ₃	2.35	2.28	3.25	3.51	6.73	4.13	3.19	3.27	5.02	4.94	4.39	1.98
Ga	16.00	18.00	18.00	13.00	15.00	16.00	15.00	17.00	16.00	12.00	15.00	7.00
Ge	2.00	2.00	2.00	1.00	1.00	1.00	2.00	3.00	1.00	1.00	2.00	1.00
Hg	1.09	0.22	0.62	0.88	0.00	0.41	0.59	0.00	0.44	0.00	0.54	0.36
La	73.00	44.00	41.00	56.00	39.00	47.00	55.00	40.00	58.00	32.00	53.00	22.00
MnO	0.16	0.05	0.19	0.10	0.33	0.20	0.43	0.16	0.40	0.35	0.21	0.03
Mo	0.50	0.60	0.70	0.50	1.10	0.70	0.60	0.70	1.20	0.90	0.80	0.20
Nb	38.00	31.00	32.00	35.00	30.00	27.00	25.00	24.00	17.00	14.00	16.00	9.00
Ni	10.00	10.00	14.00	9.00	9.00	12.00	9.00	12.00	30.00	20.00	20.00	7.00
P ₂ O ₅	0.04	0.03	0.05	0.08	0.08	0.07	0.08	0.04	0.14	0.09	0.09	0.06
Pb	64.00	43.00	54.00	121.00	40.00	37.00	44.00	52.00	107.00	77.00	78.00	53.00
Rb	183.00	162.00	174.00	133.00	111.00	56.00	98.00	288.00	145.00	123.00	132.00	54.00
Sb	0.00	2.00	1.00	2.00	4.00	0.00	0.00	0.00	2.00	0.00	3.00	0.00
Sc	9.00	10.00	10.00	10.00	13.00	15.00	13.00	10.00	13.00	10.00	10.00	6.00
Se	0.47	0.47	0.63	0.58	0.41	0.81	0.91	0.29	0.73	0.23	0.69	0.44
Sn	28.00	15.00	9.00	10.00	9.00	5.00	7.00	5.00	24.00	24.00	19.00	10.00
Sr	16.00	13.00	27.00	39.00	32.00	24.00	32.00	20.00	32.00	19.00	23.00	7.00
Th	35.00	27.00	35.00	28.00	29.00	30.00	22.00	28.00	22.00	16.00	20.00	5.00
TiO ₂	0.22	0.19	0.27	0.61	0.39	0.53	0.41	0.19	0.47	0.46	0.47	0.48
U	7.00	5.00	7.00	10.00	7.00	6.00	8.00	7.00	7.00	4.00	7.00	3.00
V	8.00	4.00	12.00	36.00	26.00	34.00	14.00	8.00	39.00	33.00	40.00	31.00
W	4.00	2.00	2.00	2.00	2.00	2.00	2.00	4.00	4.00	2.00	2.00	2.00
Y	71.00	50.00	53.00	46.00	42.00	35.00	42.00	49.00	51.00	23.00	46.00	16.00
Zn	103.00	81.00	102.00	90.00	112.00	49.00	102.00	72.00	273.00	193.00	155.00	18.00
Zr	1160.00	635.00	506.00	2601.00	1390.00	679.00	554.00	548.00	327.00	315.00	435.00	370.00

Sample	HK0639	HK0640	HK0641	HK0642	HK0643	HK0644	HK0645	HK0646	HK0647	HK0648	HK0649	HK0650
Ag	0.40	0.40	0.30	0.50	0.00	0.00	0.20	1.00	0.30	0.10	0.10	0.50
As	40.00	10.00	23.00	24.00	6.00	32.00	15.00	76.00	12.00	12.00	19.00	6.00
Ba	395.00	470.00	371.00	350.00	293.00	275.00	331.00	208.00	408.00	320.00	266.00	132.00
Bi	4.00	2.00	11.00	12.00	2.00	6.00	9.00	53.00	4.00	7.00	5.00	4.00
CaO	0.58	0.37	0.31	0.24	0.13	0.28	0.36	0.44	0.52	0.46	0.22	0.38
Cd	1.20	0.30	0.70	0.60	0.00	0.80	0.40	2.50	0.40	0.20	0.30	1.20
Ce	86.00	44.00	68.00	71.00	11.00	43.00	50.00	60.00	123.00	91.00	68.00	93.00
Co	7.80	4.30	7.30	9.00	1.60	2.90	12.10	8.30	2.00	1.90	8.00	1.80
Cr	43.00	41.00	51.00	45.00	35.00	42.00	44.00	43.00	16.00	27.00	92.00	20.00
Cs	8.00	8.00	11.00	1.00	3.00	6.00	11.00	1.00	4.00	13.00	6.00	2.00
Cu	54.70	37.10	56.60	61.70	6.20	20.30	25.00	102.30	4.00	7.30	18.00	9.80
Fe ₂ O ₃	5.31	4.36	5.03	5.72	2.48	5.85	3.83	6.30	3.67	3.47	4.33	3.37
Ga	12.00	9.00	13.00	13.00	6.00	10.00	11.00	13.00	19.00	14.00	14.00	29.00
Ge	1.00	3.00	3.00	2.00	1.00	3.00	2.00	2.00	2.00	2.00	3.00	3.00
Hg	0.72	1.00	0.00	0.00	0.44	0.71	0.60	0.00	0.00	0.55	0.51	0.00
La	41.00	23.00	32.00	45.00	8.00	14.00	47.00	30.00	59.00	41.00	29.00	31.00
MnO	0.50	0.13	0.12	0.21	0.06	0.13	0.19	0.38	0.21	0.11	0.11	0.25
Mo	0.70	0.50	0.80	0.80	0.20	1.10	1.00	72.20	0.60	0.70	0.50	0.70
Nb	15.00	12.00	15.00	18.00	11.00	15.00	14.00	19.00	28.00	21.00	18.00	66.00
Ni	24.00	14.00	18.00	17.00	8.00	12.00	31.00	25.00	12.00	13.00	11.00	22.00
P ₂ O ₅	0.21	0.17	0.10	0.09	0.06	0.09	0.11	0.19	0.06	0.08	0.08	0.03
Pb	95.00	117.00	101.00	79.00	34.00	54.00	31.00	320.00	46.00	46.00	42.00	178.00
Rb	114.00	98.00	145.00	139.00	65.00	132.00	141.00	211.00	177.00	117.00	165.00	450.00
Sb	3.00	0.00	0.00	4.00	0.00	3.00	0.00	1.00	2.00	0.00	0.00	0.00
Sc	10.00	6.00	7.00	10.00	6.00	7.00	12.00	10.00	11.00	9.00	10.00	7.00
Se	0.59	0.53	0.34	0.38	0.45	0.36	0.44	0.22	0.38	0.52	0.81	0.25
Sn	44.00	22.00	71.00	63.00	33.00	150.00	21.00	294.00	12.00	9.00	14.00	20.00
Sr	23.00	16.00	14.00	17.00	5.00	16.00	18.00	14.00	43.00	30.00	16.00	26.00
Th	13.00	13.00	16.00	23.00	9.00	13.00	14.00	32.00	25.00	20.00	22.00	85.00
TiO ₂	0.60	0.56	0.62	0.77	0.54	0.54	0.70	0.56	0.45	0.47	0.70	0.22
U	4.00	2.00	5.00	6.00	3.00	6.00	5.00	6.00	8.00	6.00	6.00	17.00
V	54.00	40.00	63.00	67.00	39.00	49.00	59.00	58.00	24.00	31.00	58.00	12.00
W	8.00	2.00	3.00	7.00	2.00	2.00	2.00	40.00	2.00	2.00	4.00	8.00
Y	33.00	24.00	32.00	45.00	11.00	30.00	47.00	61.00	49.00	37.00	32.00	91.00
Zn	274.00	145.00	154.00	123.00	19.00	110.00	118.00	421.00	133.00	83.00	36.00	260.00
Zr	461.00	300.00	365.00	442.00	439.00	770.00	334.00	316.00	922.00	768.00	359.00	433.00

Sample	HK0651	HK0652	HK0653	HK0654	HK0655	HK0656	HK0657	HK0658	HK0659	HK0660	HK0661	HK0662
Ag	0.30	0.30	0.00	0.20	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20
As	6.00	8.00	5.00	9.00	8.00	9.00	2.00	3.00	3.00	4.00	6.00	9.00
Ba	330.00	121.00	11.00	188.00	321.00	283.00	900.00	650.00	797.00	282.00	277.00	303.00
Bi	7.00	4.00	5.00	2.00	2.00	3.00	3.00	6.00	9.00	6.00	6.00	4.00
CaO	0.60	0.62	0.25	0.74	0.56	0.42	0.80	0.73	0.64	0.61	0.68	0.61
Cd	0.30	0.60	0.00	0.50	0.20	0.20	0.40	0.20	0.10	0.10	0.20	0.10
Ce	59.00	132.00	91.00	114.00	71.00	42.00	164.00	140.00	189.00	59.00	114.00	90.00
Co	1.90	1.80	0.50	1.90	1.50	1.50	5.30	4.00	5.30	1.60	2.70	5.20
Cr	13.00	22.00	45.00	40.00	16.00	17.00	45.00	9.00	39.00	24.00	16.00	38.00
Cs	1.00	1.00	4.00	1.00	10.00	9.00	2.00	6.00	9.00	23.00	13.00	14.00
Cu	4.10	19.30	3.80	115.50	2.60	2.70	5.30	3.70	4.10	5.90	4.50	11.40
Fe ₂ O ₃	3.07	3.50	2.25	4.39	2.96	3.31	7.86	6.73	7.50	2.53	3.04	3.75
Ga	18.00	26.00	20.00	21.00	15.00	18.00	21.00	21.00	24.00	16.00	17.00	18.00
Ge	3.00	2.00	2.00	2.00	2.00	1.00	3.00	1.00	3.00	3.00	1.00	2.00
Hg	0.00	0.00	1.09	1.08	1.13	0.00	1.53	0.00	1.81	1.13	0.30	0.37
La	22.00	51.00	24.00	34.00	31.00	16.00	68.00	51.00	60.00	26.00	45.00	64.00
MnO	0.25	0.21	0.03	0.08	0.10	0.09	0.27	0.26	0.25	0.04	0.05	0.10
Mo	0.60	0.70	0.60	0.90	0.40	0.90	0.60	1.40	0.70	0.40	0.40	0.50
Nb	46.00	80.00	70.00	67.00	30.00	30.00	21.00	26.00	36.00	23.00	25.00	23.00
Ni	14.00	25.00	14.00	25.00	11.00	9.00	15.00	10.00	15.00	15.00	13.00	11.00
P ₂ O ₅	0.07	0.10	0.03	0.40	0.08	0.05	0.24	0.21	0.17	0.06	0.07	0.07
Pb	59.00	113.00	26.00	94.00	36.00	38.00	59.00	79.00	49.00	73.00	82.00	134.00
Rb	355.00	436.00	205.00	308.00	180.00	216.00	181.00	205.00	185.00	244.00	242.00	243.00
Sb	0.00	0.00	2.00	1.00	0.00	3.00	0.00	2.00	2.00	0.00	0.00	0.00
Sc	7.00	6.00	4.00	7.00	7.00	2.00	16.00	12.00	12.00	6.00	3.00	9.00
Se	0.33	0.44	0.60	0.78	0.60	0.21	0.40	0.22	0.42	0.38	0.40	0.48
Sn	13.00	18.00	10.00	134.00	8.00	10.00	8.00	17.00	14.00	13.00	13.00	14.00
Sr	97.00	38.00	8.00	33.00	85.00	62.00	209.00	186.00	225.00	61.00	57.00	59.00
Th	50.00	90.00	94.00	79.00	29.00	32.00	30.00	40.00	41.00	36.00	42.00	36.00
TiO ₂	0.34	0.25	0.18	0.35	0.37	0.34	0.94	0.74	0.90	0.53	0.51	0.51
U	12.00	16.00	13.00	13.00	7.00	7.00	7.00	7.00	8.00	17.00	14.00	12.00
V	22.00	19.00	14.00	26.00	22.00	23.00	71.00	57.00	75.00	41.00	36.00	39.00
W	6.00	6.00	7.00	7.00	2.00	2.00	5.00	4.00	4.00	4.00	6.00	6.00
Y	56.00	130.00	59.00	79.00	43.00	36.00	47.00	47.00	57.00	45.00	53.00	58.00
Zn	92.00	199.00	41.00	470.00	59.00	69.00	165.00	151.00	110.00	61.00	70.00	106.00
Zr	1173.00	707.00	764.00	896.00	670.00	587.00	2322.00	3011.00	4805.00	3069.00	1104.00	612.00

Sample	HK0663	HK0664	HK0665	HK0666	HK0667	HK0668	HK0669	HK0670	HK0671	HK0672	HK0673	HK0674
Ag	0.40	0.10	0.20	0.40	2.70	0.60	12.80	0.50	0.00	0.10	0.10	1.40
As	9.00	7.00	1.00	6.00	40.00	49.00	111.00	15.00	21.00	20.00	24.00	14.00
Ba	356.00	315.00	457.00	252.00	8.00	412.00	8.00	419.00	376.00	443.00	410.00	302.00
Bi	12.00	10.00	6.00	7.00	80.00	12.00	361.00	2.00	3.00	2.00	3.00	12.00
CaO	0.51	0.59	1.19	0.62	0.22	0.30	0.21	0.19	0.38	0.37	0.52	1.39
Cd	4.10	0.40	1.90	1.40	1.70	1.40	3.10	0.70	0.40	0.50	0.50	4.60
Ce	52.00	90.00	75.00	75.00	78.00	82.00	64.00	46.00	81.00	97.00	102.00	85.00
Co	7.60	5.20	7.70	4.90	2.30	15.50	5.40	6.00	1.80	2.30	2.30	4.70
Cr	25.00	28.00	31.00	27.00	16.00	48.00	16.00	43.00	49.00	58.00	44.00	34.00
Cs	1.00	1.00	11.00	7.00	1.00	12.00	1.00	4.00	15.00	19.00	15.00	1.00
Cu	157.80	39.90	18.10	81.10	140.60	108.80	303.70	20.50	3.10	2.70	4.50	79.60
Fe ₂ O ₃	7.86	5.26	6.05	5.46	2.74	5.72	3.22	3.15	2.33	2.67	2.68	5.43
Ga	14.00	16.00	18.00	14.00	16.00	13.00	11.00	8.00	17.00	18.00	18.00	15.00
Ge	1.00	2.00	2.00	3.00	3.00	2.00	5.00	2.00	3.00	2.00	2.00	3.00
Hg	0.00	0.56	0.74	0.53	0.00	0.59	0.00	0.26	0.00	0.40	0.36	0.00
La	28.00	24.00	45.00	27.00	43.00	33.00	27.00	22.00	50.00	55.00	54.00	42.00
MnO	0.26	0.10	0.15	0.30	0.25	0.37	0.16	0.34	0.09	0.09	0.11	0.39
Mo	1.60	0.40	0.50	0.60	218.80	1.80	553.20	0.50	1.30	1.80	1.20	1.00
Nb	15.00	26.00	21.00	21.00	55.00	16.00	50.00	13.00	36.00	35.00	31.00	19.00
Ni	13.00	13.00	17.00	13.00	15.00	24.00	10.00	15.00	10.00	15.00	13.00	15.00
P ₂ O ₅	0.12	0.05	0.08	0.06	0.05	0.14	0.06	0.09	0.06	0.07	0.08	0.11
Pb	161.00	108.00	103.00	138.00	769.00	153.00	896.00	102.00	25.00	25.00	27.00	356.00
Rb	151.00	155.00	219.00	117.00	225.00	161.00	110.00	92.00	251.00	265.00	251.00	108.00
Sb	3.00	0.00	3.00	0.00	2.00	3.00	2.00	0.00	6.00	7.00	4.00	3.00
Sc	9.00	17.00	12.00	7.00	5.00	8.00	3.00	9.00	7.00	9.00	6.00	7.00
Se	0.00	0.44	0.35	0.51	0.13	0.66	0.10	0.44	0.22	0.39	0.84	0.25
Sn	46.00	38.00	41.00	73.00	589.00	99.00	449.00	37.00	5.00	5.00	5.00	370.00
Sr	33.00	48.00	73.00	30.00	4.00	16.00	4.00	11.00	17.00	22.00	23.00	66.00
Th	28.00	28.00	21.00	20.00	60.00	21.00	101.00	8.00	35.00	34.00	32.00	23.00
TiO ₂	0.74	1.08	0.98	0.64	0.09	0.69	0.08	0.62	0.39	0.40	0.35	0.76
U	7.00	9.00	7.00	4.00	17.00	4.00	19.00	4.00	9.00	5.00	5.00	6.00
V	49.00	73.00	84.00	46.00	6.00	63.00	5.00	48.00	22.00	27.00	22.00	62.00
W	6.00	7.00	6.00	6.00	53.00	7.00	152.00	2.00	4.00	5.00	7.00	8.00
Y	26.00	30.00	44.00	27.00	134.00	35.00	123.00	24.00	64.00	61.00	60.00	27.00
Zn	607.00	154.00	295.00	275.00	662.00	289.00	490.00	150.00	30.00	38.00	48.00	946.00
Zr	437.00	1617.00	780.00	770.00	196.00	507.00	237.00	336.00	707.00	760.00	470.00	874.00

Sample	HK0675	HK0676	HK0677	HK0678	HK0679	HK0680	HK0681	HK0682	HK0683	HK0684	HK0685	HK0686
Ag	1.40	0.80	34.20	0.80	1.20	0.30	0.20	0.20	0.10	0.60	0.50	0.00
As	10.00	9.00	2.00	12.00	24.00	13.00	23.00	9.00	1.00	1.00	2.00	14.00
Ba	260.00	262.00	178.00	294.00	755.00	546.00	332.00	495.00	449.00	623.00	534.00	131.00
Bi	10.00	10.00	244.00	12.00	5.00	3.00	6.00	7.00	1.00	4.00	4.00	2.00
CaO	1.16	1.13	3.69	1.29	0.75	0.33	0.27	2.67	1.70	1.87	2.19	0.34
Cd	3.80	2.00	3.10	3.70	0.60	0.30	0.30	0.40	0.30	1.20	1.40	0.20
Ce	85.00	89.00	152.00	49.00	77.00	95.00	57.00	70.00	97.00	117.00	68.00	60.00
Co	4.70	4.00	19.30	5.20	6.70	7.60	2.40	8.50	6.40	8.10	4.30	1.00
Cr	34.00	29.00	45.00	27.00	26.00	20.00	19.00	26.00	34.00	30.00	21.00	17.00
Cs	1.00	2.00	1.00	1.00	11.00	11.00	12.00	14.00	11.00	22.00	7.00	14.00
Cu	86.70	62.30	821.90	73.30	69.00	9.10	6.20	145.20	25.30	13.00	10.00	3.20
Fe ₂ O ₃	5.68	5.04	23.94	6.31	5.66	4.21	2.87	6.65	6.61	6.41	4.19	2.06
Ga	14.00	15.00	33.00	12.00	17.00	14.00	10.00	17.00	17.00	19.00	15.00	16.00
Ge	4.00	3.00	3.00	1.00	1.00	2.00	1.00	4.00	3.00	4.00	3.00	1.00
Hg	0.50	0.48	2.01	0.21	0.49	0.51	0.15	0.36	0.86	0.79	0.50	0.00
La	36.00	29.00	52.00	24.00	47.00	61.00	30.00	39.00	42.00	58.00	28.00	30.00
MnO	0.36	0.29	0.98	0.40	0.19	0.17	0.05	0.19	0.16	0.21	0.18	0.07
Mo	1.00	0.80	110.10	1.30	2.60	0.40	0.40	4.60	0.70	0.50	0.60	0.40
Nb	17.00	22.00	19.00	14.00	18.00	25.00	14.00	15.00	27.00	22.00	18.00	48.00
Ni	13.00	12.00	9.00	12.00	18.00	17.00	8.00	18.00	15.00	16.00	9.00	11.00
P ₂ O ₅	0.12	0.10	0.27	0.09	0.13	0.08	0.10	0.17	0.52	0.12	0.12	0.03
Pb	286.00	347.00	3080.00	273.00	78.00	73.00	23.00	98.00	92.00	265.00	188.00	34.00
Rb	90.00	110.00	62.00	102.00	268.00	185.00	113.00	199.00	198.00	264.00	160.00	257.00
Sb	3.00	0.00	0.00	2.00	2.00	2.00	2.00	0.00	1.00	3.00	0.00	2.00
Sc	12.00	10.00	9.00	16.00	9.00	16.00	7.00	17.00	18.00	16.00	11.00	4.00
Se	0.41	0.37	0.00	0.00	0.17	0.29	0.00	0.12	0.20	0.41	0.26	0.18
Sn	283.00	480.00	11838.00	237.00	148.00	6.00	16.00	16.00	35.00	9.00	11.00	13.00
Sr	52.00	54.00	40.00	50.00	64.00	52.00	20.00	130.00	91.00	125.00	139.00	20.00
Th	20.00	20.00	54.00	19.00	27.00	26.00	16.00	18.00	18.00	20.00	19.00	36.00
TiO ₂	0.86	0.82	0.32	0.74	0.98	1.51	0.74	1.02	1.46	1.34	1.03	0.34
U	5.00	6.00	6.00	6.00	8.00	8.00	6.00	7.00	7.00	5.00	6.00	13.00
V	64.00	59.00	108.00	52.00	70.00	77.00	43.00	93.00	100.00	98.00	73.00	16.00
W	12.00	10.00	67.00	9.00	7.00	9.00	2.00	2.00	4.00	6.00	3.00	2.00
Y	26.00	28.00	48.00	21.00	50.00	67.00	30.00	32.00	36.00	50.00	34.00	73.00
Zn	841.00	642.00	2694.00	804.00	148.00	151.00	76.00	134.00	197.00	335.00	228.00	37.00
Zr	726.00	1350.00	174.00	601.00	975.00	1893.00	1507.00	612.00	1679.00	1208.00	739.00	451.00

Sample	HK0687	HK0688	HK0689	HK0690	HK0691	HK0692	HK0693	HK0694	HK0695	HK0696	HK0697	HK0698
Ag	0.10	0.20	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.20	0.20	0.50
As	11.00	16.00	43.00	32.00	14.00	37.00	33.00	10.00	24.00	14.00	2.00	8.00
Ba	32.00	385.00	315.00	271.00	308.00	291.00	245.00	54.00	174.00	300.00	11.00	12.00
Bi	3.00	4.00	3.00	2.00	4.00	3.00	4.00	4.00	3.00	1.00	8.00	2.00
CaO	0.29	0.44	0.32	0.29	0.33	0.39	0.26	0.47	0.28	0.60	0.36	0.30
Cd	0.10	0.20	0.80	0.50	0.20	0.70	0.40	0.10	0.30	0.30	0.00	0.20
Ce	68.00	121.00	120.00	95.00	88.00	97.00	86.00	54.00	73.00	106.00	98.00	90.00
Co	0.30	2.10	1.10	0.80	1.10	1.30	0.80	1.50	1.10	1.40	1.80	2.10
Cr	36.00	102.00	60.00	39.00	14.00	49.00	58.00	22.00	21.00	21.00	51.00	15.00
Cs	14.00	11.00	27.00	16.00	22.00	25.00	27.00	8.00	15.00	14.00	22.00	7.00
Cu	2.20	2.20	2.50	1.80	1.70	2.50	2.20	3.30	2.10	8.60	11.70	5.10
Fe ₂ O ₃	2.10	3.16	2.93	2.53	2.35	3.10	2.36	2.50	2.18	3.04	4.82	4.47
Ga	18.00	16.00	20.00	16.00	14.00	21.00	16.00	20.00	16.00	16.00	39.00	25.00
Ge	2.00	3.00	2.00	1.00	2.00	2.00	4.00	1.00	1.00	2.00	4.00	5.00
Hg	0.94	1.07	1.08	1.01	1.04	1.12	0.00	0.00	0.00	0.00	1.15	0.62
La	58.00	53.00	47.00	44.00	44.00	53.00	40.00	14.00	32.00	59.00	67.00	18.00
MnO	0.08	0.13	0.08	0.05	0.06	0.09	0.06	0.13	0.05	0.07	0.23	0.56
Mo	0.40	0.60	1.00	0.70	0.50	0.80	0.50	0.60	0.90	1.10	2.80	13.60
Nb	45.00	47.00	30.00	37.00	39.00	31.00	42.00	76.00	56.00	39.00	164.00	142.00
Ni	15.00	10.00	8.00	12.00	6.00	14.00	12.00	18.00	12.00	11.00	36.00	14.00
P ₂ O ₅	0.02	0.06	0.04	0.03	0.04	0.04	0.03	0.05	0.03	0.10	0.02	0.02
Pb	43.00	22.00	34.00	20.00	18.00	28.00	35.00	59.00	25.00	45.00	76.00	73.00
Rb	274.00	180.00	228.00	217.00	198.00	245.00	217.00	258.00	269.00	216.00	766.00	373.00
Sb	0.00	6.00	15.00	5.00	7.00	10.00	11.00	0.00	3.00	5.00	0.00	0.00
Sc	5.00	5.00	9.00	7.00	5.00	6.00	9.00	11.00	4.00	11.00	12.00	8.00
Se	0.50	0.39	0.21	0.29	0.45	0.36	0.17	0.54	0.21	0.36	0.21	0.53
Sn	13.00	6.00	9.00	9.00	7.00	13.00	8.00	15.00	12.00	14.00	67.00	199.00
Sr	10.00	32.00	24.00	19.00	26.00	19.00	21.00	13.00	21.00	24.00	7.00	7.00
Th	51.00	37.00	35.00	30.00	30.00	40.00	37.00	45.00	38.00	30.00	125.00	68.00
TiO ₂	0.13	0.58	0.34	0.40	0.43	0.29	0.41	0.25	0.37	0.43	0.15	0.14
U	8.00	9.00	7.00	5.00	7.00	9.00	7.00	13.00	6.00	6.00	17.00	11.00
V	6.00	28.00	22.00	21.00	23.00	20.00	21.00	15.00	20.00	26.00	5.00	10.00
W	5.00	2.00	2.00	4.00	2.00	4.00	2.00	5.00	6.00	3.00	31.00	55.00
Y	105.00	58.00	53.00	52.00	47.00	56.00	66.00	115.00	71.00	58.00	250.00	62.00
Zn	47.00	33.00	28.00	28.00	30.00	35.00	20.00	51.00	34.00	80.00	90.00	74.00
Zr	197.00	1189.00	502.00	898.00	1090.00	499.00	1164.00	298.00	564.00	630.00	548.00	402.00

Sample	HK0699	HK0700	HK0701	HK0702	HK0703	HK0704	HK0705	HK0706	HK0707	HK0708	HK0709	HK0710
Ag	0.20	0.00	0.30	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00
As	9.00	3.00	1.00	10.00	10.00	23.00	35.00	9.00	16.00	26.00	24.00	7.00
Ba	36.00	32.00	121.00	213.00	153.00	245.00	483.00	374.00	303.00	389.00	281.00	280.00
Bi	9.00	4.00	3.00	2.00	2.00	3.00	3.00	8.00	4.00	3.00	3.00	1.00
CaO	0.28	8.11	0.71	0.19	0.12	0.15	0.40	0.23	0.40	0.30	0.19	0.40
Cd	0.00	0.00	0.10	0.10	0.00	0.60	0.80	0.20	0.20	0.50	0.40	0.00
Ce	69.00	97.00	70.00	23.00	16.00	68.00	96.00	116.00	111.00	98.00	93.00	132.00
Co	0.60	1.30	1.30	2.90	1.50	3.50	6.90	2.70	2.20	3.00	3.10	2.00
Cr	62.00	59.00	24.00	65.00	46.00	30.00	33.00	34.00	31.00	24.00	28.00	13.00
Cs	3.00	17.00	10.00	5.00	2.00	16.00	31.00	12.00	11.00	23.00	15.00	20.00
Cu	7.70	20.20	6.70	6.40	3.30	5.00	5.80	3.50	4.80	2.80	4.90	3.20
Fe ₂ O ₃	6.21	2.95	2.48	2.34	1.54	5.52	4.82	2.61	2.77	4.32	3.13	2.94
Ga	42.00	31.00	20.00	6.00	6.00	15.00	18.00	13.00	10.00	17.00	15.00	15.00
Ge	3.00	2.00	2.00	1.00	2.00	1.00	2.00	4.00	2.00	3.00	2.00	1.00
Hg	0.67	0.00	0.00	0.90	0.76	1.15	0.00	0.96	0.95	1.00	0.99	0.97
La	14.00	14.00	20.00	15.00	12.00	33.00	47.00	58.00	42.00	51.00	43.00	53.00
MnO	0.09	0.08	0.10	0.05	0.01	0.07	0.16	0.03	0.08	0.03	0.04	0.10
Mo	4.40	1.20	0.50	0.00	0.20	0.50	0.60	0.10	0.20	0.40	0.40	0.80
Nb	175.00	101.00	105.00	9.00	9.00	29.00	31.00	35.00	28.00	48.00	25.00	38.00
Ni	17.00	28.00	20.00	11.00	7.00	11.00	15.00	15.00	12.00	12.00	9.00	11.00
P ₂ O ₅	0.03	0.02	0.17	0.04	0.03	0.05	0.10	0.07	0.17	0.12	0.07	0.04
Pb	28.00	46.00	50.00	8.00	3.00	22.00	33.00	21.00	28.00	20.00	16.00	29.00
Rb	175.00	576.00	407.00	60.00	45.00	134.00	184.00	148.00	134.00	181.00	163.00	195.00
Sb	3.00	0.00	0.00	2.00	3.00	7.00	7.00	6.00	5.00	7.00	2.00	0.00
Sc	14.00	10.00	4.00	3.00	5.00	16.00	13.00	15.00	8.00	13.00	11.00	6.00
Se	0.80	0.37	0.32	0.24	0.21	0.26	0.28	0.18	0.16	0.14	0.30	0.86
Sn	170.00	18.00	37.00	2.00	5.00	8.00	6.00	10.00	9.00	9.00	6.00	9.00
Sr	9.00	47.00	34.00	6.00	6.00	11.00	16.00	19.00	15.00	14.00	10.00	37.00
Th	122.00	70.00	78.00	5.00	2.00	24.00	26.00	33.00	22.00	32.00	26.00	35.00
TiO ₂	0.36	0.14	0.26	0.57	0.50	1.39	1.06	1.10	1.02	1.53	0.79	0.45
U	15.00	14.00	41.00	2.00	2.00	7.00	8.00	11.00	8.00	9.00	6.00	8.00
V	30.00	21.00	18.00	41.00	29.00	94.00	71.00	62.00	54.00	88.00	54.00	24.00
W	23.00	17.00	6.00	2.00	2.00	9.00	8.00	13.00	5.00	15.00	2.00	3.00
Y	77.00	76.00	96.00	23.00	20.00	35.00	40.00	55.00	39.00	45.00	37.00	40.00
Zn	60.00	42.00	70.00	10.00	3.00	18.00	44.00	45.00	39.00	41.00	10.00	43.00
Zr	881.00	433.00	1401.00	336.00	408.00	1268.00	1650.00	3131.00	1645.00	2172.00	980.00	1124.00

Sample	HK0711	HK0712	HK0713	HK0714	HK0715	HK0716	HK0717	HK0718	HK0719	HK0720	HK0721	HK0722
Ag	0.10	0.00	0.20	0.00	0.20	0.30	0.30	0.10	0.20	0.00	0.20	0.30
As	14.00	11.00	15.00	12.00	15.00	8.00	6.00	2.00	6.00	4.00	8.00	4.00
Ba	340.00	236.00	341.00	237.00	212.00	451.00	419.00	355.00	370.00	337.00	363.00	443.00
Bi	7.00	7.00	3.00	1.00	2.00	4.00	4.00	1.00	3.00	4.00	3.00	6.00
CaO	0.42	0.52	0.67	0.34	0.36	0.72	1.02	0.86	0.93	1.18	0.65	0.79
Cd	0.00	0.10	0.10	0.00	0.30	0.40	0.60	0.40	0.50	0.30	0.50	0.50
Ce	58.00	136.00	219.00	104.00	94.00	112.00	90.00	76.00	86.00	74.00	112.00	97.00
Co	0.80	0.80	2.40	1.30	1.20	8.40	6.20	4.70	6.10	5.40	6.90	6.70
Cr	9.00	8.00	38.00	19.00	18.00	60.00	40.00	40.00	36.00	34.00	56.00	36.00
Cs	7.00	28.00	7.00	2.00	11.00	21.00	5.00	1.00	14.00	15.00	11.00	10.00
Cu	3.50	4.30	3.70	2.30	4.40	8.90	5.90	3.30	5.00	2.10	5.90	7.60
Fe ₂ O ₃	3.11	2.72	3.94	2.88	2.59	6.55	4.96	3.58	4.85	4.12	5.01	5.43
Ga	9.00	14.00	19.00	17.00	16.00	19.00	17.00	13.00	17.00	13.00	17.00	19.00
Ge	1.00	1.00	2.00	2.00	2.00	2.00	1.00	2.00	2.00	2.00	2.00	3.00
Hg	0.00	0.28	0.00	0.00	0.89	1.07	0.49	0.43	0.49	0.53	0.55	0.00
La	25.00	41.00	86.00	41.00	45.00	39.00	39.00	32.00	33.00	27.00	40.00	39.00
MnO	0.16	0.14	0.19	0.10	0.11	0.21	0.15	0.10	0.07	0.09	0.11	0.18
Mo	0.70	1.80	1.00	0.60	0.80	0.70	0.60	0.30	0.30	0.40	0.50	0.80
Nb	15.00	39.00	34.00	48.00	37.00	23.00	21.00	22.00	22.00	23.00	24.00	22.00
Ni	7.00	11.00	13.00	9.00	12.00	15.00	16.00	15.00	14.00	12.00	15.00	18.00
P ₂ O ₅	0.04	0.04	0.06	0.03	0.04	0.10	0.10	0.08	0.08	0.08	0.09	0.09
Pb	14.00	26.00	38.00	27.00	42.00	84.00	94.00	62.00	91.00	38.00	98.00	80.00
Rb	122.00	199.00	187.00	211.00	215.00	143.00	155.00	121.00	142.00	120.00	166.00	223.00
Sb	0.00	4.00	2.00	2.00	3.00	2.00	0.00	2.00	0.00	1.00	1.00	0.00
Sc	6.00	8.00	6.00	5.00	5.00	10.00	17.00	11.00	14.00	14.00	17.00	14.00
Se	0.22	0.21	0.80	0.19	0.24	0.41	0.39	0.30	0.44	0.17	0.33	0.29
Sn	6.00	9.00	7.00	9.00	7.00	24.00	10.00	7.00	13.00	6.00	7.00	19.00
Sr	26.00	26.00	46.00	31.00	21.00	63.00	62.00	54.00	57.00	69.00	43.00	65.00
Th	20.00	33.00	51.00	41.00	35.00	30.00	22.00	17.00	19.00	14.00	30.00	30.00
TiO ₂	0.34	0.34	0.40	0.41	0.33	1.26	1.08	1.04	1.14	1.36	1.07	0.98
U	6.00	8.00	10.00	6.00	8.00	7.00	6.00	7.00	7.00	6.00	6.00	10.00
V	13.00	14.00	25.00	19.00	16.00	88.00	77.00	68.00	81.00	84.00	80.00	74.00
W	2.00	2.00	4.00	6.00	2.00	2.00	3.00	4.00	6.00	4.00	2.00	4.00
Y	19.00	45.00	59.00	40.00	63.00	28.00	28.00	27.00	28.00	28.00	33.00	32.00
Zn	26.00	42.00	69.00	39.00	40.00	224.00	179.00	94.00	129.00	89.00	108.00	187.00
Zr	564.00	594.00	619.00	615.00	547.00	980.00	778.00	975.00	1237.00	1501.00	727.00	726.00

Sample	HK0723	HK0724	HK0725	HK0726	HK0727	HK0728	HK0729	HK0730	HK0731	HK0732	HK0733	HK0734
Ag	0.00	0.40	0.20	0.30	0.20	0.20	0.00	0.20	0.50	0.70	0.80	0.90
As	7.00	31.00	7.00	48.00	12.00	8.00	13.00	8.00	9.00	9.00	11.00	39.00
Ba	270.00	118.00	41.00	234.00	365.00	416.00	402.00	197.00	231.00	255.00	527.00	126.00
Bi	3.00	65.00	4.00	0.00	4.00	5.00	0.00	4.00	2.00	0.00	3.00	3.00
CaO	0.17	1.59	0.43	0.10	0.16	0.11	0.07	0.06	0.11	0.10	0.15	0.10
Cd	0.20	1.70	0.30	0.60	1.00	0.50	0.60	0.50	0.50	0.00	0.50	0.00
Ce	22.00	37.00	93.00	86.00	113.00	95.00	120.00	87.00	102.00	102.00	77.00	181.00
Co	3.30	2.40	1.20	4.00	3.00	0.00	0.00	5.00	9.00	0.00	11.00	0.00
Cr	31.00	34.00	35.00	0.00	0.00	0.00	30.00	94.00	26.00	24.00	14.00	5.00
Cs	13.00	1.00	9.00	15.00	14.00	8.00	19.00	23.00	17.00	11.00	19.00	17.00
Cu	6.70	27.70	5.90	15.80	15.60	15.60	16.40	14.60	16.20	16.20	15.50	17.30
Fe ₂ O ₃	1.74	5.30	2.64	3.24	2.39	1.90	2.10	2.18	2.04	2.12	3.41	1.55
Ga	6.00	14.00	33.00	15.00	18.00	15.00	15.00	23.00	17.00	19.00	15.00	20.00
Ge	2.00	5.00	3.00	0.00	4.00	3.00	3.00	2.00	2.00	2.00	1.00	3.00
Hg	0.16	0.00	0.27	0.20	0.20	0.20	0.20	0.26	0.20	0.20	0.20	0.00
La	18.00	19.00	29.00	37.00	48.00	48.00	51.00	29.00	40.00	47.00	33.00	147.00
MnO	0.11	0.22	0.20	0.06	0.11	0.08	0.08	0.07	0.19	0.08	0.11	0.05
Mo	0.20	74.30	0.80	2.40	3.10	2.40	2.20	0.70	0.30	1.60	0.90	0.20
Nb	9.00	30.00	126.00	26.00	69.00	62.00	60.00	37.00	47.00	42.00	30.00	67.00
Ni	11.00	10.00	26.00	0.00	0.00	0.00	0.00	5.00	3.00	0.00	0.00	6.00
P ₂ O ₅	0.07	0.07	0.04	0.06	0.04	0.04	0.05	0.03	0.04	0.04	0.05	0.04
Pb	78.00	137.00	63.00	115.00	71.00	52.00	66.00	80.00	156.00	88.00	96.00	141.00
Rb	57.00	124.00	608.00	177.00	169.00	162.00	170.00	296.00	222.00	260.00	272.00	165.00
Sb	0.00	0.00	1.00	6.00	0.00	6.00	0.00	0.00	0.00	0.00	0.00	0.00
Sc	4.00	4.00	9.00	4.00	4.00	4.00	4.00	0.00	4.00	5.00	7.00	0.00
Se	0.17	0.00	0.60	0.50	0.50	0.30	0.40	0.30	0.40	0.30	0.30	0.20
Sn	19.00	277.00	24.00	11.00	13.00	4.00	7.00	15.00	12.00	8.00	10.00	9.00
Sr	5.00	14.00	16.00	16.00	26.00	33.00	30.00	29.00	24.00	34.00	53.00	15.00
Th	5.00	50.00	88.00	36.00	41.00	34.00	37.00	53.00	38.00	45.00	29.00	72.00
TiO ₂	0.47	0.41	0.20	0.75	1.21	1.01	0.94	0.30	0.40	0.37	0.76	0.38
U	2.00	7.00	14.00	10.00	8.00	9.00	7.00	5.00	9.00	7.00	9.00	6.00
V	28.00	36.00	16.00	74.00	53.00	50.00	53.00	18.00	26.00	28.00	71.00	19.00
W	2.00	38.00	14.00	7.00	9.00	6.00	5.00	6.00	6.00	3.00	5.00	8.00
Y	17.00	38.00	141.00	33.00	44.00	40.00	41.00	41.00	41.00	44.00	33.00	111.00
Zn	46.00	396.00	113.00	50.00	53.00	39.00	46.00	45.00	56.00	45.00	69.00	22.00
Zr	304.00	315.00	458.00	1070.00	2023.00	1482.00	1617.00	448.00	616.00	1092.00	711.00	665.00

Sample	HK0735	HK0736	HK0737	HK0738	HK0739	HK0740	HK0741	HK0742	HK0743	HK0744	HK0745	HK0746
Ag	0.30	0.80	0.80	0.50	0.60	0.60	0.50	0.00	0.00	0.40	0.00	0.20
As	48.00	21.00	6.00	11.00	5.00	22.00	11.00	40.00	19.00	35.00	23.00	23.00
Ba	134.00	314.00	414.00	343.00	334.00	295.00	380.00	254.00	284.00	385.00	237.00	514.00
Bi	3.00	2.00	2.00	2.00	3.00	4.00	4.00	2.00	2.00	5.00	2.00	2.00
CaO	0.04	0.23	0.27	0.16	0.17	0.20	0.26	0.18	0.13	0.12	0.05	0.11
Cd	0.50	0.50	0.60	0.60	0.60	0.50	0.50	0.60	0.60	0.70	0.60	0.60
Ce	146.00	106.00	124.00	109.00	107.00	119.00	127.00	107.00	99.00	110.00	85.00	154.00
Co	0.00	0.00	4.00	3.00	0.00	5.00	4.00	0.00	0.00	11.00	15.00	7.00
Cr	41.00	252.00	165.00	214.00	118.00	0.00	72.00	15.00	59.00	170.00	238.00	0.00
Cs	9.00	10.00	11.00	19.00	10.00	18.00	5.00	17.00	9.00	31.00	34.00	38.00
Cu	16.60	17.90	15.60	14.70	17.10	15.40	17.80	15.40	17.00	15.30	15.30	15.40
Fe ₂ O ₃	1.38	2.83	2.47	2.31	1.94	2.93	2.24	2.61	2.67	3.76	3.50	3.06
Ga	17.00	19.00	17.00	16.00	16.00	16.00	18.00	19.00	17.00	20.00	17.00	19.00
Ge	0.00	3.00	2.00	2.00	2.00	6.00	3.00	3.00	2.00	3.00	2.00	0.00
Hg	0.20	0.20	0.20	0.20	0.20	0.00	0.20	0.20	0.20	0.20	0.20	0.20
La	111.00	56.00	67.00	51.00	48.00	49.00	57.00	55.00	48.00	67.00	40.00	62.00
MnO	0.04	0.11	0.10	0.07	0.07	0.12	0.11	0.08	0.07	0.10	0.09	0.06
Mo	0.20	2.30	0.70	1.30	1.20	1.60	1.40	2.30	1.10	0.60	1.90	2.80
Nb	47.00	43.00	47.00	53.00	56.00	51.00	46.00	36.00	40.00	27.00	24.00	41.00
Ni	3.00	0.00	6.00	0.00	0.00	0.00	0.00	0.00	0.00	9.00	9.00	0.00
P ₂ O ₅	0.03	0.06	0.06	0.05	0.05	0.06	0.06	0.05	0.04	0.06	0.06	0.06
Pb	110.00	114.00	89.00	83.00	70.00	86.00	118.00	71.00	50.00	110.00	103.00	101.00
Rb	160.00	194.00	219.00	228.00	212.00	172.00	208.00	200.00	155.00	260.00	211.00	189.00
Sb	4.00	2.00	2.00	0.00	2.00	3.00	3.00	2.00	0.00	0.00	3.00	1.00
Sc	0.00	2.00	3.00	3.00	0.00	8.00	5.00	4.00	4.00	4.00	8.00	8.00
Se	0.20	0.70	0.90	0.40	0.40	0.50	0.60	0.40	0.50	0.40	0.30	0.50
Sn	8.00	10.00	10.00	7.00	15.00	6.00	13.00	14.00	6.00	10.00	10.00	3.00
Sr	15.00	29.00	39.00	33.00	32.00	21.00	36.00	30.00	23.00	26.00	15.00	48.00
Th	56.00	41.00	34.00	48.00	38.00	35.00	38.00	49.00	34.00	38.00	44.00	39.00
TiO ₂	0.37	0.66	0.65	0.68	0.66	0.79	0.61	0.44	0.73	0.66	0.68	0.82
U	4.00	5.00	8.00	6.00	8.00	7.00	8.00	5.00	7.00	6.00	7.00	8.00
V	19.00	44.00	38.00	37.00	34.00	60.00	36.00	26.00	42.00	74.00	81.00	53.00
W	4.00	2.00	5.00	10.00	5.00	4.00	6.00	8.00	6.00	8.00	0.00	7.00
Y	81.00	43.00	47.00	40.00	44.00	40.00	43.00	53.00	36.00	53.00	57.00	39.00
Zn	17.00	53.00	58.00	42.00	45.00	39.00	56.00	43.00	31.00	70.00	47.00	52.00
Zr	557.00	921.00	1125.00	1221.00	1226.00	1316.00	1000.00	948.00	1014.00	572.00	801.00	1209.00

Sample	HK0747	HK0748	HK0749	HK0750	HK0751	HK0752	HK0753	HK0754	HK0755	HK0756	HK0757	HK0758
Ag	0.60	0.30	0.60	0.30	0.80	0.20	1.40	0.20	0.20	0.80	0.30	0.50
As	15.00	26.00	9.00	11.00	48.00	58.00	48.00	52.00	23.00	36.00	15.00	10.00
Ba	239.00	375.00	472.00	444.00	226.00	195.00	285.00	208.00	332.00	344.00	92.00	578.00
Bi	2.00	0.00	0.00	3.00	3.00	0.00	3.00	1.00	3.00	5.00	2.00	0.00
CaO	0.09	0.10	0.15	0.08	0.12	0.11	0.14	0.05	0.06	0.07	0.06	0.53
Cd	0.50	0.60	0.60	0.50	0.60	0.60	0.70	0.70	0.70	0.80	0.70	0.70
Ce	99.00	149.00	103.00	85.00	121.00	103.00	119.00	124.00	120.00	123.00	80.00	131.00
Co	5.00	4.00	4.00	0.00	4.00	0.00	0.00	3.00	7.00	0.00	0.00	37.00
Cr	107.00	59.00	138.00	17.00	24.00	38.00	74.00	13.00	27.00	227.00	241.00	63.00
Cs	7.00	14.00	19.00	24.00	15.00	10.00	26.00	11.00	9.00	24.00	17.00	24.00
Cu	15.60	14.80	14.00	14.30	17.20	14.10	15.90	15.00	14.90	16.00	16.60	17.80
Fe ₂ O ₃	2.25	3.29	2.33	2.12	2.97	3.38	3.29	2.83	2.92	2.38	1.51	5.58
Ga	15.00	21.00	16.00	16.00	21.00	22.00	23.00	20.00	19.00	18.00	14.00	18.00
Ge	0.00	2.00	0.00	2.00	0.00	2.00	0.00	2.00	4.00	2.00	0.00	2.00
Hg	0.20	0.00	0.41	0.00	0.20	0.20	0.20	0.23	0.20	0.20	0.20	0.39
La	42.00	59.00	58.00	45.00	54.00	53.00	59.00	51.00	58.00	59.00	31.00	82.00
MnO	0.09	0.08	0.07	0.06	0.09	0.06	0.09	0.06	0.09	0.08	0.06	0.10
Mo	4.30	1.90	0.50	0.30	1.50	1.60	3.40	1.60	1.40	2.40	0.70	3.00
Nb	54.00	39.00	35.00	37.00	38.00	37.00	33.00	44.00	41.00	41.00	39.00	34.00
Ni	0.00	0.00	0.00	0.00	5.00	0.00	0.00	2.00	0.00	4.00	0.00	40.00
P ₂ O ₅	0.07	0.05	0.04	0.04	0.05	0.04	0.05	0.04	0.05	0.06	0.03	0.06
Pb	73.00	112.00	87.00	78.00	118.00	95.00	99.00	89.00	118.00	113.00	52.00	67.00
Rb	132.00	214.00	229.00	222.00	215.00	209.00	227.00	220.00	200.00	217.00	183.00	168.00
Sb	3.00	1.00	0.00	0.00	6.00	3.00	2.00	0.00	0.00	10.00	0.00	4.00
Sc	1.00	4.00	4.00	3.00	7.00	10.00	6.00	7.00	3.00	5.00	1.00	10.00
Se	0.40	0.60	0.30	0.30	0.50	1.00	0.50	0.40	0.50	0.50	0.30	0.30
Sn	6.00	10.00	5.00	5.00	10.00	10.00	8.00	6.00	9.00	12.00	8.00	0.00
Sr	26.00	30.00	54.00	52.00	21.00	19.00	19.00	19.00	28.00	35.00	11.00	65.00
Th	35.00	42.00	36.00	34.00	50.00	43.00	53.00	49.00	42.00	43.00	47.00	27.00
TiO ₂	0.88	0.72	0.52	0.52	0.40	0.39	0.41	0.42	0.71	0.53	0.29	1.51
U	10.00	6.00	7.00	9.00	7.00	7.00	7.00	6.00	6.00	8.00	7.00	4.00
V	55.00	49.00	36.00	38.00	34.00	36.00	30.00	36.00	48.00	34.00	13.00	125.00
W	8.00	8.00	2.00	2.00	4.00	4.00	11.00	5.00	3.00	9.00	3.00	0.00
Y	38.00	43.00	41.00	43.00	57.00	53.00	50.00	58.00	52.00	53.00	38.00	42.00
Zn	36.00	50.00	46.00	37.00	59.00	47.00	52.00	58.00	52.00	53.00	39.00	70.00
Zr	2054.00	1004.00	939.00	1090.00	602.00	592.00	559.00	711.00	1109.00	846.00	732.00	981.00

Sample	HK0759	HK0760	HK0761	HK0762	HK0763	HK0764	HK0765	HK0766	HK0767	HK0768	HK0769	HK0770
Ag	0.00	0.60	0.60	0.00	1.00	0.50	0.00	0.20	0.20	1.20	0.00	0.00
As	16.00	13.00	8.00	8.00	5.00	34.00	12.00	65.00	41.00	10.00	11.00	17.00
Ba	363.00	275.00	383.00	202.00	428.00	267.00	418.00	270.00	300.00	516.00	481.00	497.00
Bi	2.00	0.00	1.00	6.00	5.00	3.00	2.00	4.00	2.00	3.00	0.00	4.00
CaO	0.11	0.19	0.16	0.14	0.19	0.06	0.17	0.10	0.09	0.08	0.13	0.27
Cd	0.00	0.00	0.00	0.50	0.20	0.00	0.00	0.20	0.20	0.00	0.00	0.50
Ce	145.00	120.00	112.00	94.00	93.00	140.00	121.00	124.00	99.00	119.00	176.00	159.00
Co	5.00	0.00	10.00	0.00	15.00	18.00	0.00	6.00	12.00	0.00	7.00	6.00
Cr	109.00	300.00	105.00	7.00	168.00	162.00	414.00	0.00	27.00	51.00	238.00	35.00
Cs	12.00	13.00	18.00	11.00	33.00	14.00	15.00	18.00	8.00	26.00	13.00	28.00
Cu	15.10	16.50	14.80	18.10	15.40	15.40	14.70	15.30	14.80	13.00	13.40	15.20
Fe ₂ O ₃	3.25	2.37	2.84	1.73	4.08	3.92	2.94	2.49	3.78	3.10	3.52	3.55
Ga	20.00	17.00	17.00	13.00	18.00	18.00	17.00	16.00	18.00	20.00	20.00	19.00
Ge	2.00	2.00	1.00	2.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hg	0.20	0.20	0.20	0.00	0.68	0.48	0.55	0.56	0.65	0.92	0.67	0.65
La	59.00	49.00	97.00	32.00	63.00	44.00	59.00	55.00	44.00	58.00	109.00	87.00
MnO	0.06	0.06	0.13	0.11	0.10	0.10	0.07	0.07	0.08	0.06	0.07	0.09
Mo	1.90	0.70	0.50	0.20	0.40	4.10	4.30	1.80	1.60	0.50	1.10	0.90
Nb	37.00	47.00	37.00	64.00	29.00	41.00	60.00	51.00	40.00	36.00	38.00	32.00
Ni	0.00	0.00	0.00	0.00	14.00	0.00	3.00	0.00	0.00	2.00	6.00	2.00
P ₂ O ₅	0.05	0.04	0.05	0.04	0.05	0.06	0.05	0.06	0.07	0.04	0.05	0.07
Pb	95.00	91.00	124.00	80.00	108.00	94.00	94.00	112.00	100.00	92.00	106.00	89.00
Rb	194.00	198.00	230.00	149.00	210.00	176.00	187.00	171.00	197.00	265.00	275.00	192.00
Sb	5.00	3.00	2.00	7.00	3.00	7.00	3.00	2.00	2.00	0.00	0.00	0.00
Sc	6.00	4.00	6.00	3.00	8.00	10.00	6.00	5.00	10.00	7.00	5.00	9.00
Se	0.50	0.30	0.40	0.50	0.60	0.60	0.40	0.50	0.40	0.30	0.30	0.80
Sn	2.00	10.00	5.00	16.00	5.00	0.00	6.00	6.00	8.00	2.00	13.00	10.00
Sr	35.00	30.00	47.00	23.00	39.00	16.00	34.00	26.00	20.00	53.00	40.00	42.00
Th	45.00	41.00	40.00	40.00	34.00	40.00	47.00	34.00	36.00	41.00	48.00	37.00
TiO ₂	0.64	0.60	0.61	0.76	0.80	0.96	1.01	0.94	0.96	0.60	0.60	0.62
U	6.00	8.00	7.00	7.00	6.00	9.00	9.00	7.00	8.00	8.00	7.00	5.00
V	52.00	44.00	43.00	38.00	99.00	108.00	64.00	68.00	95.00	39.00	54.00	43.00
W	3.00	3.00	2.00	9.00	3.00	9.00	8.00	6.00	9.00	7.00	7.00	10.00
Y	42.00	50.00	50.00	36.00	41.00	32.00	48.00	42.00	25.00	41.00	60.00	51.00
Zn	61.00	61.00	51.00	134.00	70.00	39.00	67.00	49.00	51.00	52.00	67.00	77.00
Zr	886.00	1046.00	590.00	1119.00	668.00	1084.00	1912.00	1381.00	1018.00	800.00	680.00	890.00

Sample	HK0771	HK0772	HK0773	HK0774	HK0775	HK0776	HK0777	HK0778	HK0779	HK0780	HK0781	HK0782
Ag	0.30	0.50	0.60	0.50	0.50	0.00	0.00	0.50	0.20	0.20	0.20	0.30
As	13.00	14.00	10.00	16.00	20.00	7.00	11.00	12.00	15.00	6.00	14.00	12.00
Ba	599.00	446.00	510.00	442.00	348.00	224.00	225.00	432.00	474.00	419.00	426.00	475.00
Bi	2.00	3.00	4.00	0.00	3.00	2.00	4.00	3.00	1.00	2.00	4.00	6.00
CaO	0.15	0.12	0.17	0.09	0.10	0.10	0.13	0.24	0.09	0.22	0.24	0.18
Cd	0.60	0.00	0.50	0.00	0.50	0.00	0.50	0.50	0.50	0.60	0.60	0.60
Ce	128.00	120.00	149.00	126.00	142.00	132.00	135.00	105.00	134.00	120.00	143.00	135.00
Co	4.00	6.00	3.00	7.00	4.00	0.00	0.00	4.00	8.00	7.00	9.00	8.00
Cr	380.00	169.00	194.00	468.00	280.00	217.00	302.00	0.00	44.00	0.00	257.00	0.00
Cs	22.00	25.00	16.00	26.00	12.00	14.00	17.00	5.00	15.00	20.00	8.00	8.00
Cu	13.90	14.20	13.30	14.10	15.00	15.90	17.30	16.20	15.30	14.60	14.90	16.20
Fe ₂ O ₃	2.71	3.10	3.37	3.42	3.19	2.33	2.57	2.35	3.87	2.85	3.39	3.16
Ga	17.00	19.00	18.00	18.00	19.00	17.00	19.00	14.00	21.00	18.00	18.00	18.00
Ge	0.00	0.00	2.00	0.00	0.00	0.00	0.00	2.00	1.00	0.00	0.00	0.00
Hg	0.76	0.63	0.71	0.98	0.72	0.81	0.74	0.73	0.88	0.82	0.57	0.83
La	55.00	60.00	70.00	66.00	65.00	56.00	59.00	48.00	70.00	55.00	62.00	68.00
MnO	0.06	0.07	0.07	0.09	0.08	0.07	0.09	0.11	0.07	0.08	0.13	0.07
Mo	4.50	1.10	2.30	2.40	3.00	2.70	1.50	1.90	0.20	3.00	2.30	2.30
Nb	65.00	44.00	53.00	42.00	47.00	52.00	41.00	56.00	33.00	51.00	33.00	43.00
Ni	4.00	0.00	0.00	7.00	5.00	0.00	0.00	0.00	0.00	0.00	10.00	2.00
P ₂ O ₅	0.05	0.05	0.06	0.05	0.05	0.04	0.04	0.06	0.06	0.05	0.06	0.06
Pb	63.00	55.00	76.00	113.00	59.00	77.00	112.00	78.00	101.00	54.00	96.00	81.00
Rb	167.00	197.00	192.00	204.00	203.00	181.00	210.00	181.00	188.00	175.00	178.00	180.00
Sb	0.00	0.00	0.00	0.00	4.00	0.00	0.00	0.00	0.00	4.00	0.00	0.00
Sc	6.00	7.00	3.00	7.00	6.00	9.00	3.00	5.00	8.00	6.00	4.00	2.00
Se	0.60	0.50	0.50	0.40	0.40	0.40	0.50	0.30	0.40	0.50	0.80	0.40
Sn	14.00	0.00	7.00	4.00	13.00	4.00	9.00	8.00	6.00	6.00	7.00	12.00
Sr	51.00	37.00	41.00	36.00	33.00	25.00	23.00	40.00	49.00	45.00	49.00	47.00
Th	37.00	35.00	31.00	40.00	43.00	38.00	40.00	35.00	38.00	41.00	43.00	38.00
TiO ₂	1.20	0.72	0.94	0.68	0.79	0.65	0.51	0.88	0.72	0.88	0.65	0.88
U	8.00	4.00	7.00	4.00	7.00	7.00	6.00	6.00	8.00	8.00	6.00	7.00
V	58.00	55.00	52.00	58.00	54.00	41.00	41.00	44.00	54.00	64.00	54.00	64.00
W	12.00	11.00	10.00	9.00	12.00	2.00	7.00	5.00	2.00	8.00	6.00	7.00
Y	55.00	49.00	46.00	46.00	50.00	52.00	53.00	43.00	33.00	49.00	41.00	43.00
Zn	45.00	51.00	50.00	66.00	47.00	44.00	74.00	76.00	62.00	48.00	54.00	51.00
Zr	2533.00	1134.00	1756.00	1016.00	1073.00	1386.00	825.00	1143.00	835.00	2115.00	860.00	1939.00

Sample	HK0783	HK0784	HK0785	HK0786	HK0787	HK0788	HK0789	HK0790	HK0791	HK0792	HK0793	HK0794
Ag	0.50	0.50	0.40	0.00	0.70	0.00	0.30	0.00	0.30	0.00	0.00	0.30
As	9.00	166.00	17.00	20.00	33.00	22.00	18.00	17.00	116.00	97.00	47.00	16.00
Ba	415.00	487.00	414.00	278.00	364.00	355.00	432.00	472.00	103.00	106.00	91.00	90.00
Bi	3.00	2.00	4.00	1.00	0.00	2.00	3.00	3.00	1.00	2.00	3.00	2.00
CaO	0.19	0.15	0.16	0.22	0.39	0.26	0.26	0.18	0.06	0.11	0.02	0.02
Cd	0.70	0.60	0.70	0.70	0.70	0.80	0.80	0.70	0.80	0.80	0.70	0.70
Ce	121.00	84.00	131.00	120.00	161.00	130.00	128.00	132.00	117.00	123.00	104.00	51.00
Co	5.00	16.00	7.00	4.00	21.00	6.00	9.00	4.00	0.00	0.00	0.00	0.00
Cr	51.00	221.00	32.00	172.00	111.00	19.00	183.00	70.00	87.00	67.00	13.00	166.00
Cs	15.00	23.00	21.00	21.00	20.00	31.00	18.00	19.00	14.00	16.00	14.00	9.00
Cu	14.00	17.70	15.60	13.90	13.20	15.20	14.70	13.60	17.30	15.70	14.70	16.10
Fe ₂ O ₃	3.06	4.66	3.64	2.61	5.30	3.20	3.66	3.41	2.08	2.45	2.67	2.79
Ga	16.00	17.00	20.00	20.00	19.00	21.00	20.00	19.00	20.00	19.00	20.00	15.00
Ge	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00
Hg	0.57	0.91	0.88	0.66	0.74	0.69	0.84	0.80	0.46	0.62	0.56	0.57
La	61.00	46.00	64.00	51.00	68.00	63.00	60.00	58.00	55.00	46.00	43.00	22.00
MnO	0.06	0.09	0.07	0.12	0.45	0.12	0.08	0.07	0.06	0.05	0.04	0.03
Mo	1.40	3.30	1.50	2.20	1.70	1.80	2.40	2.50	2.20	0.20	0.20	1.20
Nb	38.00	19.00	36.00	45.00	33.00	37.00	37.00	45.00	30.00	45.00	47.00	42.00
Ni	5.00	6.00	0.00	5.00	8.00	8.00	5.00	0.00	0.00	2.00	0.00	0.00
P ₂ O ₅	0.05	0.08	0.06	0.06	0.14	0.06	0.06	0.05	0.04	0.04	0.04	0.03
Pb	84.00	100.00	96.00	99.00	110.00	84.00	98.00	86.00	90.00	54.00	77.00	37.00
Rb	197.00	189.00	205.00	237.00	213.00	228.00	205.00	201.00	188.00	195.00	236.00	112.00
Sb	2.00	6.00	3.00	0.00	0.00	2.00	3.00	0.00	3.00	4.00	0.00	0.00
Sc	6.00	13.00	9.00	3.00	6.00	7.00	10.00	8.00	3.00	5.00	5.00	5.00
Se	0.30	0.40	0.50	0.50	0.90	0.60	2.10	1.20	0.50	0.30	0.50	0.60
Sn	5.00	10.00	8.00	10.00	8.00	6.00	9.00	6.00	9.00	14.00	13.00	5.00
Sr	50.00	24.00	34.00	27.00	27.00	34.00	41.00	42.00	9.00	15.00	9.00	6.00
Th	34.00	28.00	44.00	43.00	52.00	52.00	38.00	38.00	51.00	58.00	58.00	44.00
TiO ₂	0.75	0.95	0.62	0.49	0.44	0.54	0.69	0.92	0.24	0.38	0.40	0.41
U	8.00	8.00	6.00	9.00	8.00	4.00	6.00	7.00	4.00	8.00	9.00	6.00
V	56.00	104.00	49.00	39.00	36.00	43.00	61.00	69.00	22.00	21.00	38.00	28.00
W	6.00	4.00	4.00	11.00	7.00	6.00	9.00	6.00	5.00	8.00	8.00	2.00
Y	41.00	25.00	38.00	72.00	59.00	65.00	49.00	48.00	51.00	45.00	41.00	31.00
Zn	60.00	80.00	67.00	45.00	70.00	64.00	61.00	56.00	60.00	44.00	40.00	25.00
Zr	1104.00	672.00	820.00	1032.00	395.00	776.00	842.00	1507.00	366.00	669.00	499.00	493.00

Sample	HK0795	HK0796	HK0797	HK0798	HK0799	HK0800	HK0801	HK0802	HK0803	HK0804	HK0805	HK0806
Ag	0.20	0.00	0.20	0.20	0.50	0.00	0.30	0.50	0.00	0.00	0.50	0.00
As	33.00	20.00	129.00	77.00	65.00	317.00	90.00	15.00	14.00	52.00	104.00	25.00
Ba	96.00	97.00	105.00	134.00	165.00	112.00	288.00	384.00	281.00	313.00	402.00	265.00
Bi	0.00	2.00	3.00	4.00	4.00	3.00	2.00	2.00	3.00	4.00	3.00	4.00
CaO	0.04	0.05	0.08	0.10	0.23	0.02	0.22	0.27	0.11	0.11	0.21	0.10
Cd	0.70	0.80	0.70	0.30	0.30	0.30	1.10	1.00	0.00	0.00	0.40	0.80
Ce	101.00	109.00	146.00	200.00	162.00	133.00	111.00	164.00	115.00	104.00	170.00	125.00
Co	0.00	0.00	0.00	3.00	3.00	0.00	11.00	7.00	8.00	0.00	8.00	3.00
Cr	19.00	37.00	1001.00	19.00	16.00	92.00	52.00	46.00	134.00	21.00	70.00	13.00
Cs	18.00	22.00	16.00	8.00	15.00	12.00	2.00	12.00	5.00	8.00	23.00	14.00
Cu	15.30	17.50	16.00	15.30	16.90	15.30	18.50	15.60	17.30	15.20	16.70	15.60
Fe ₂ O ₃	2.61	2.00	2.60	1.71	2.33	2.12	2.86	3.27	2.05	2.70	2.79	2.58
Ga	17.00	18.00	17.00	14.00	18.00	17.00	15.00	19.00	14.00	19.00	18.00	18.00
Ge	0.00	0.00	0.00	0.00	1.00	0.00	2.00	0.00	0.00	3.00	0.00	2.00
Hg	0.20	0.00	0.20	0.20	0.00	0.20	0.00	0.20	0.20	0.00	0.20	0.20
La	34.00	30.00	61.00	80.00	67.00	59.00	58.00	70.00	57.00	48.00	83.00	48.00
MnO	0.03	0.05	0.04	0.08	0.08	0.02	0.18	0.18	0.14	0.07	0.14	0.08
Mo	2.00	0.20	2.50	4.10	4.00	1.30	0.30	1.10	2.60	2.40	2.80	4.10
Nb	33.00	31.00	40.00	54.00	32.00	31.00	27.00	31.00	47.00	32.00	49.00	41.00
Ni	0.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	3.00	7.00	0.00
P ₂ O ₅	0.04	0.04	0.04	0.04	0.04	0.04	0.06	0.07	0.06	0.05	0.07	0.05
Pb	68.00	54.00	70.00	100.00	79.00	103.00	295.00	283.00	493.00	88.00	115.00	92.00
Rb	156.00	153.00	157.00	135.00	192.00	167.00	167.00	201.00	148.00	242.00	227.00	233.00
Sb	2.00	0.00	4.00	3.00	4.00	3.00	0.00	0.00	2.00	0.00	3.00	0.00
Sc	4.00	0.00	5.00	5.00	4.00	5.00	4.00	3.00	2.00	7.00	9.00	7.00
Se	0.60	0.50	0.50	0.60	0.60	0.50	0.80	0.90	0.50	0.40	0.70	0.60
Sn	0.00	10.00	4.00	32.00	23.00	10.00	29.00	10.00	35.00	22.00	10.00	38.00
Sr	11.00	10.00	10.00	13.00	16.00	17.00	24.00	37.00	26.00	21.00	27.00	22.00
Th	46.00	52.00	54.00	52.00	46.00	52.00	33.00	45.00	33.00	31.00	47.00	42.00
TiO ₂	0.34	0.31	0.47	0.54	0.33	0.40	0.45	0.51	0.61	0.48	0.79	0.55
U	4.00	6.00	6.00	10.00	5.00	5.00	4.00	6.00	7.00	5.00	6.00	8.00
V	22.00	10.00	43.00	35.00	24.00	28.00	42.00	35.00	37.00	38.00	47.00	41.00
W	3.00	6.00	10.00	12.00	7.00	3.00	5.00	7.00	5.00	8.00	9.00	9.00
Y	35.00	38.00	49.00	77.00	54.00	36.00	31.00	45.00	44.00	48.00	60.00	50.00
Zn	37.00	42.00	29.00	37.00	54.00	20.00	192.00	161.00	85.00	75.00	77.00	101.00
Zr	418.00	786.00	1158.00	2569.00	718.00	504.00	606.00	768.00	1908.00	727.00	1284.00	1454.00

Sample	HK0807	HK0808	HK0809	HK0810	HK0811	HK0812	HK0813	HK0814	HK0815	HK0816	HK0817	HK0818
Ag	0.00	0.20	0.00	0.00	0.50	0.50	0.00	0.40	0.20	0.40	0.20	0.50
As	29.00	10.00	10.00	23.00	15.00	23.00	25.00	61.00	33.00	6.00	9.00	31.00
Ba	342.00	380.00	477.00	344.00	236.00	204.00	261.00	162.00	120.00	467.00	383.00	236.00
Bi	3.00	3.00	3.00	3.00	2.00	3.00	2.00	4.00	5.00	3.00	4.00	5.00
CaO	0.21	0.19	0.39	0.14	0.07	0.10	0.25	0.07	0.02	0.11	0.06	0.06
Cd	2.50	1.00	1.00	0.70	0.00	0.50	0.00	0.60	0.50	0.60	0.50	0.50
Ce	163.00	115.00	142.00	171.00	133.00	111.00	127.00	124.00	80.00	222.00	124.00	116.00
Co	11.00	7.00	8.00	7.00	7.00	0.00	4.00	7.00	0.00	8.00	3.00	0.00
Cr	64.00	119.00	20.00	14.00	498.00	163.00	21.00	26.00	12.00	276.00	45.00	28.00
Cs	6.00	9.00	11.00	0.00	7.00	6.00	17.00	22.00	20.00	16.00	15.00	12.00
Cu	21.40	15.80	14.80	15.40	16.60	16.20	16.80	16.00	15.20	15.30	13.70	15.00
Fe ₂ O ₃	3.33	2.16	2.28	1.97	1.67	1.83	2.07	1.86	1.80	2.26	2.06	1.90
Ga	19.00	14.00	15.00	15.00	15.00	19.00	19.00	19.00	17.00	16.00	17.00	17.00
Ge	0.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	1.00	0.00	2.00	2.00
Hg	0.00	0.00	0.20	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00
La	75.00	63.00	70.00	82.00	68.00	50.00	55.00	55.00	36.00	67.00	59.00	53.00
MnO	0.26	0.19	0.18	0.12	0.09	0.10	0.09	0.16	0.03	0.08	0.04	0.10
Mo	2.20	2.10	1.00	1.10	1.90	1.90	0.20	1.30	1.60	0.70	0.30	4.60
Nb	36.00	42.00	36.00	54.00	63.00	35.00	36.00	33.00	29.00	43.00	41.00	38.00
Ni	6.00	0.00	0.00	3.00	4.00	3.00	5.00	3.00	0.00	0.00	0.00	3.00
P ₂ O ₅	0.08	0.06	0.07	0.05	0.05	0.04	0.04	0.04	0.03	0.05	0.04	0.04
Pb	342.00	368.00	229.00	112.00	90.00	90.00	137.00	204.00	30.00	125.00	70.00	116.00
Rb	204.00	171.00	188.00	192.00	161.00	233.00	253.00	226.00	172.00	177.00	216.00	252.00
Sb	0.00	1.00	0.00	6.00	0.00	2.00	0.00	3.00	5.00	4.00	0.00	3.00
Sc	8.00	5.00	6.00	0.00	2.00	5.00	2.00	3.00	2.00	6.00	6.00	1.00
Se	1.20	0.70	0.90	0.70	0.40	0.40	0.50	0.50	0.40	0.30	0.20	0.30
Sn	95.00	10.00	7.00	5.00	4.00	12.00	6.00	10.00	8.00	6.00	4.00	11.00
Sr	33.00	33.00	42.00	25.00	18.00	19.00	24.00	12.00	12.00	30.00	27.00	15.00
Th	46.00	38.00	31.00	38.00	36.00	45.00	43.00	42.00	53.00	38.00	36.00	49.00
TiO ₂	0.65	0.60	0.54	0.58	0.64	0.31	0.35	0.27	0.22	0.68	0.53	0.26
U	6.00	8.00	6.00	6.00	7.00	7.00	7.00	8.00	6.00	8.00	5.00	10.00
V	47.00	31.00	33.00	33.00	43.00	14.00	18.00	26.00	18.00	35.00	28.00	18.00
W	12.00	6.00	5.00	6.00	13.00	7.00	7.00	3.00	4.00	7.00	3.00	8.00
Y	48.00	47.00	46.00	60.00	65.00	54.00	51.00	69.00	60.00	36.00	45.00	73.00
Zn	325.00	122.00	126.00	100.00	55.00	46.00	51.00	58.00	23.00	51.00	39.00	55.00
Zr	861.00	1307.00	1000.00	1176.00	2110.00	675.00	758.00	644.00	808.00	1071.00	811.00	858.00

Sample	HK0819	HK0820	HK0821	HK0822	HK0823	HK0824	HK0825	HK0826	HK0827	HK0828	HK0829	HK0830
Ag	0.90	0.60	0.20	0.70	0.00	0.80	0.20	0.40	0.40	0.20	0.20	0.30
As	26.00	38.00	50.00	60.00	54.00	56.00	42.00	54.00	30.00	38.00	47.00	16.00
Ba	105.00	108.00	120.00	102.00	172.00	238.00	166.00	182.00	268.00	467.00	266.00	421.00
Bi	4.00	3.00	3.00	5.00	4.00	9.00	3.00	4.00	3.00	5.00	2.00	0.00
CaO	0.06	0.06	0.08	0.08	0.07	0.16	0.18	0.23	0.11	0.14	0.13	0.07
Cd	0.50	0.50	0.80	0.50	0.20	0.70	0.60	0.40	0.40	0.60	0.50	0.20
Ce	82.00	102.00	109.00	71.00	105.00	102.00	94.00	90.00	149.00	135.00	138.00	146.00
Co	0.00	0.00	0.00	3.00	0.00	5.00	3.00	0.00	8.00	9.00	4.00	3.00
Cr	44.00	43.00	73.00	4.00	37.00	174.00	116.00	48.00	350.00	38.00	29.00	21.00
Cs	2.00	11.00	8.00	10.00	13.00	9.00	14.00	14.00	22.00	18.00	17.00	10.00
Cu	11.50	15.40	15.60	10.80	18.00	14.70	13.60	12.60	14.50	14.20	13.70	12.60
Fe ₂ O ₃	1.50	2.12	2.71	1.99	2.39	1.77	1.94	1.83	3.13	2.66	2.98	3.11
Ga	16.00	17.00	17.00	13.00	17.00	15.00	17.00	17.00	19.00	15.00	17.00	17.00
Ge	3.00	0.00	0.00	4.00	0.00	0.00	2.00	0.00	0.00	1.00	0.00	2.00
Hg	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.28
La	46.00	46.00	57.00	39.00	58.00	51.00	46.00	44.00	72.00	67.00	60.00	70.00
MnO	0.06	0.04	0.03	0.05	0.03	0.13	0.08	0.11	0.07	0.21	0.09	0.07
Mo	0.60	2.20	1.80	1.90	2.60	0.20	0.50	0.20	2.20	2.70	3.00	1.10
Nb	34.00	33.00	28.00	28.00	35.00	32.00	30.00	31.00	51.00	47.00	58.00	41.00
Ni	0.00	3.00	2.00	0.00	4.00	0.00	0.00	4.00	0.00	12.00	0.00	0.00
P ₂ O ₅	0.03	0.04	0.05	0.04	0.06	0.04	0.04	0.04	0.05	0.06	0.05	0.04
Pb	131.00	114.00	110.00	93.00	108.00	124.00	114.00	132.00	84.00	91.00	76.00	93.00
Rb	217.00	193.00	166.00	125.00	216.00	223.00	239.00	235.00	185.00	205.00	191.00	203.00
Sb	0.00	7.00	3.00	12.00	3.00	4.00	0.00	4.00	2.00	4.00	5.00	3.00
Sc	3.00	2.00	2.00	4.00	9.00	6.00	7.00	4.00	6.00	8.00	7.00	8.00
Se	0.30	0.50	0.70	0.70	0.70	0.40	1.00	1.30	0.60	0.50	0.50	0.30
Sn	10.00	13.00	7.00	8.00	7.00	7.00	13.00	5.00	4.00	0.00	10.00	4.00
Sr	12.00	13.00	17.00	15.00	15.00	17.00	12.00	13.00	23.00	39.00	26.00	40.00
Th	52.00	54.00	46.00	30.00	45.00	40.00	46.00	41.00	40.00	37.00	47.00	48.00
TiO ₂	0.22	0.30	0.40	0.34	0.48	0.29	0.22	0.25	0.71	0.62	0.73	0.61
U	11.00	8.00	6.00	6.00	6.00	5.00	7.00	7.00	7.00	8.00	7.00	4.00
V	16.00	28.00	35.00	28.00	43.00	14.00	15.00	15.00	42.00	41.00	41.00	34.00
W	4.00	6.00	7.00	7.00	6.00	8.00	4.00	4.00	6.00	6.00	11.00	7.00
Y	63.00	60.00	52.00	50.00	72.00	54.00	61.00	60.00	64.00	60.00	63.00	54.00
Zn	33.00	33.00	70.00	21.00	31.00	52.00	30.00	34.00	56.00	105.00	58.00	33.00
Zr	646.00	610.00	463.00	623.00	883.00	425.00	528.00	409.00	858.00	1206.00	1300.00	1005.00

Sample	HK0831	HK0832	HK0833	HK0834	HK0835	HK0836	HK0837	HK0838	HK0839	HK0840	HK0841	HK0842
Ag	0.50	0.30	0.70	0.70	0.70	0.90	0.90	0.80	0.80	0.90	0.20	0.50
As	13.00	12.00	24.00	4.00	26.00	12.00	19.00	17.00	10.00	16.00	166.00	158.00
Ba	296.00	270.00	112.00	448.00	249.00	224.00	294.00	366.00	376.00	281.00	123.00	209.00
Bi	0.00	0.00	0.00	0.00	1.00	2.00	0.00	0.00	2.00	4.00	3.00	4.00
CaO	0.05	0.04	0.05	0.02	0.09	0.06	0.15	0.13	0.12	0.12	0.14	0.06
Cd	0.00	0.20	0.20	0.00	0.00	0.00	0.00	0.00	0.50	0.00	0.30	0.20
Ce	134.00	91.00	144.00	183.00	181.00	161.00	124.00	119.00	143.00	128.00	105.00	100.00
Co	0.00	3.00	0.00	8.00	0.00	3.00	6.00	7.00	4.00	3.00	0.00	0.00
Cr	14.00	18.00	10.00	0.00	15.00	38.00	12.00	14.00	83.00	15.00	78.00	227.00
Cs	19.00	24.00	15.00	25.00	13.00	8.00	13.00	14.00	8.00	11.00	16.00	14.00
Cu	12.90	14.70	14.50	9.50	15.10	14.30	13.90	13.10	14.40	13.70	19.90	14.70
Fe ₂ O ₃	2.74	2.21	2.79	6.64	2.91	2.77	3.41	2.83	2.72	2.54	2.34	2.79
Ga	16.00	16.00	19.00	20.00	19.00	21.00	22.00	19.00	20.00	17.00	16.00	17.00
Ge	0.00	0.00	0.00	3.00	2.00	4.00	2.00	5.00	2.00	3.00	2.00	1.00
Hg	0.20	0.00	0.20	1.19	0.61	0.59	0.72	0.52	0.63	0.53	0.25	0.45
La	73.00	49.00	56.00	63.00	62.00	95.00	95.00	65.00	67.00	68.00	46.00	48.00
MnO	0.05	0.07	0.04	0.06	0.05	0.06	0.10	0.08	0.09	0.08	0.02	0.02
Mo	0.60	0.20	2.10	1.30	1.10	0.20	0.30	1.20	0.80	0.20	5.90	5.50
Nb	37.00	45.00	51.00	39.00	42.00	43.00	36.00	39.00	35.00	36.00	41.00	27.00
Ni	0.00	0.00	0.00	0.00	0.00	6.00	9.00	0.00	0.00	0.00	0.00	0.00
P ₂ O ₅	0.04	0.04	0.03	0.03	0.05	0.04	0.05	0.04	0.04	0.04	0.15	0.06
Pb	108.00	74.00	60.00	159.00	109.00	92.00	93.00	72.00	77.00	102.00	85.00	96.00
Rb	195.00	202.00	190.00	176.00	184.00	241.00	289.00	245.00	242.00	210.00	155.00	204.00
Sb	1.00	0.00	0.00	0.00	5.00	3.00	5.00	0.00	5.00	2.00	7.00	5.00
Sc	6.00	6.00	4.00	5.00	6.00	9.00	8.00	6.00	8.00	4.00	5.00	4.00
Se	0.00	0.30	0.40	0.00	0.00	0.20	0.30	0.00	0.20	0.00	0.60	0.40
Sn	6.00	6.00	15.00	8.00	89.00	16.00	11.00	6.00	11.00	11.00	42.00	7.00
Sr	23.00	24.00	10.00	22.00	21.00	23.00	23.00	33.00	36.00	29.00	21.00	21.00
Th	43.00	41.00	54.00	39.00	43.00	58.00	46.00	42.00	37.00	44.00	55.00	43.00
TiO ₂	0.53	0.49	0.62	0.77	0.58	0.45	0.41	0.50	0.47	0.43	0.39	0.44
U	8.00	8.00	4.00	6.00	8.00	6.00	7.00	12.00	7.00	7.00	6.00	6.00
V	41.00	28.00	20.00	45.00	34.00	34.00	25.00	29.00	30.00	18.00	50.00	41.00
W	3.00	4.00	10.00	4.00	9.00	7.00	9.00	11.00	8.00	7.00	5.00	5.00
Y	60.00	47.00	58.00	31.00	41.00	79.00	72.00	52.00	51.00	53.00	50.00	36.00
Zn	42.00	36.00	47.00	27.00	73.00	58.00	46.00	49.00	58.00	41.00	70.00	50.00
Zr	1189.00	1221.00	1156.00	866.00	1208.00	836.00	583.00	1300.00	857.00	844.00	546.00	458.00

Sample	HK0843	HK0844	HK0845	HK0846	HK0847	HK0848	HK0849	HK0850	HK0851	HK0852	HK0853	HK0854
Ag	0.30	0.20	0.20	0.00	0.20	0.20	0.30	0.40	0.60	0.60	0.50	0.70
As	115.00	81.00	176.00	135.00	145.00	94.00	19.00	21.00	20.00	124.00	31.00	95.00
Ba	348.00	431.00	151.00	68.00	190.00	190.00	367.00	305.00	304.00	158.00	50.00	141.00
Bi	5.00	3.00	3.00	5.00	0.00	4.00	2.00	2.00	2.00	0.00	4.00	2.00
CaO	0.08	0.05	0.18	0.05	0.08	0.05	0.07	0.09	0.07	0.05	0.05	0.08
Cd	0.30	0.20	0.40	0.20	0.30	0.20	0.00	0.00	0.50	0.20	0.00	0.50
Ce	101.00	68.00	126.00	156.00	165.00	114.00	108.00	120.00	91.00	140.00	113.00	135.00
Co	0.00	0.00	0.00	0.00	0.00	0.00	5.00	3.00	3.00	6.00	0.00	6.00
Cr	293.00	133.00	175.00	13.00	113.00	92.00	33.00	167.00	40.00	151.00	13.00	20.00
Cs	22.00	15.00	22.00	15.00	24.00	17.00	12.00	13.00	11.00	22.00	7.00	9.00
Cu	17.90	18.00	18.30	16.10	15.30	16.30	16.20	14.20	14.70	17.70	15.70	15.30
Fe ₂ O ₃	2.99	4.02	2.85	1.63	2.68	2.71	3.03	2.47	2.72	2.85	1.91	2.47
Ga	17.00	17.00	19.00	18.00	19.00	18.00	18.00	17.00	18.00	18.00	16.00	18.00
Ge	0.00	1.00	0.00	0.00	0.00	3.00	2.00	2.00	4.00	0.00	0.00	2.00
Hg	0.27	0.51	0.53	0.34	0.32	0.47	0.60	0.30	0.55	0.49	0.42	0.40
La	51.00	44.00	47.00	75.00	67.00	48.00	45.00	54.00	44.00	51.00	25.00	39.00
MnO	0.03	0.02	0.03	0.02	0.04	0.03	0.05	0.07	0.08	0.08	0.05	0.11
Mo	0.40	1.20	3.00	2.20	5.30	1.50	1.10	2.50	1.00	2.50	0.70	1.00
Nb	23.00	21.00	32.00	27.00	39.00	36.00	41.00	41.00	39.00	51.00	43.00	43.00
Ni	0.00	0.00	0.00	6.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P ₂ O ₅	0.08	0.06	0.06	0.03	0.06	0.05	0.04	0.04	0.04	0.06	0.03	0.04
Pb	142.00	110.00	110.00	41.00	83.00	74.00	58.00	73.00	90.00	137.00	44.00	83.00
Rb	173.00	155.00	173.00	202.00	169.00	160.00	200.00	209.00	225.00	118.00	127.00	141.00
Sb	5.00	4.00	9.00	0.00	8.00	7.00	6.00	0.00	5.00	6.00	0.00	0.00
Sc	5.00	9.00	6.00	6.00	7.00	6.00	7.00	4.00	2.00	3.00	5.00	0.00
Se	0.60	0.50	0.70	0.40	0.60	0.60	0.30	0.40	0.00	0.40	0.20	0.30
Sn	239.00	20.00	17.00	15.00	10.00	8.00	11.00	7.00	23.00	14.00	2.00	11.00
Sr	34.00	36.00	21.00	11.00	29.00	24.00	33.00	24.00	30.00	15.00	6.00	12.00
Th	29.00	26.00	47.00	64.00	48.00	45.00	34.00	48.00	41.00	50.00	50.00	45.00
TiO ₂	0.69	0.67	0.48	0.23	0.61	0.50	0.67	0.47	0.47	0.66	0.42	0.47
U	5.00	4.00	7.00	7.00	6.00	6.00	8.00	9.00	7.00	7.00	5.00	7.00
V	76.00	72.00	50.00	20.00	37.00	34.00	52.00	26.00	27.00	39.00	18.00	22.00
W	14.00	4.00	5.00	12.00	17.00	9.00	7.00	6.00	8.00	11.00	6.00	7.00
Y	30.00	25.00	47.00	62.00	40.00	30.00	38.00	61.00	43.00	40.00	38.00	37.00
Zn	49.00	42.00	57.00	22.00	28.00	39.00	60.00	57.00	117.00	83.00	41.00	62.00
Zr	860.00	553.00	626.00	460.00	1214.00	971.00	1002.00	1099.00	905.00	1874.00	1146.00	922.00

Sample	HK0855	HK0856	HK0857	HK0858	HK0859	HK0860	HK0861	HK0862	HK0863	HK0864	HK0865	HK0866
Ag	0.70	0.70	0.70	0.50	0.60	0.70	0.50	0.20	0.20	0.20	0.20	0.20
As	94.00	245.00	27.00	73.00	15.00	13.00	11.00	18.00	45.00	8.00	11.00	27.00
Ba	181.00	183.00	51.00	79.00	221.00	316.00	289.00	445.00	223.00	473.00	117.00	283.00
Bi	2.00	1.00	0.00	0.00	3.00	1.00	2.00	3.00	6.00	0.00	2.00	4.00
CaO	0.20	0.21	0.07	0.07	0.12	0.28	0.18	0.14	1.37	0.08	0.07	0.15
Cd	0.00	0.30	0.00	0.50	0.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Ce	182.00	162.00	111.00	125.00	80.00	105.00	103.00	106.00	85.00	152.00	85.00	100.00
Co	6.00	0.00	0.00	3.00	3.00	0.00	0.00	4.00	5.00	7.00	0.00	4.00
Cr	50.00	43.00	10.00	39.00	41.00	104.00	161.00	0.00	66.00	181.00	40.00	74.00
Cs	29.00	16.00	6.00	8.00	8.00	22.00	13.00	16.00	6.00	26.00	6.00	6.00
Cu	16.10	16.50	16.70	16.00	16.30	15.90	17.50	13.80	19.50	14.50	16.40	14.70
Fe ₂ O ₃	3.03	2.09	1.50	2.51	2.91	2.47	2.34	3.45	3.48	3.25	2.34	2.86
Ga	19.00	15.00	16.00	19.00	21.00	19.00	19.00	17.00	14.00	20.00	20.00	20.00
Ge	1.00	2.00	0.00	0.00	2.00	1.00	4.00	2.00	0.00	1.00	2.00	2.00
Hg	0.31	0.26	0.32	0.44	0.53	0.60	0.62	0.57	0.00	0.71	0.44	0.45
La	52.00	84.00	39.00	30.00	44.00	54.00	49.00	37.00	38.00	91.00	35.00	40.00
MnO	0.08	0.02	0.03	0.07	0.05	0.08	0.07	0.07	0.08	0.07	0.05	0.06
Mo	2.00	6.70	0.30	0.20	1.50	0.40	0.40	3.10	0.20	0.80	0.60	4.30
Nb	30.00	32.00	30.00	38.00	34.00	37.00	38.00	62.00	25.00	41.00	47.00	36.00
Ni	0.00	0.00	0.00	0.00	4.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00
P ₂ O ₅	0.05	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.07	0.04	0.03	0.04
Pb	156.00	92.00	48.00	56.00	100.00	87.00	82.00	69.00	126.00	110.00	100.00	99.00
Rb	182.00	139.00	168.00	146.00	209.00	226.00	209.00	168.00	154.00	277.00	197.00	221.00
Sb	7.00	11.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	0.00	2.00
Sc	7.00	7.00	1.00	3.00	7.00	6.00	5.00	6.00	5.00	6.00	6.00	2.00
Se	0.50	0.70	0.30	0.50	0.30	0.50	0.40	0.30	0.00	0.00	0.50	0.40
Sn	13.00	5.00	21.00	8.00	5.00	5.00	8.00	10.00	8.00	10.00	9.00	8.00
Sr	19.00	18.00	8.00	7.00	19.00	40.00	34.00	39.00	76.00	41.00	15.00	37.00
Th	40.00	33.00	51.00	56.00	47.00	43.00	35.00	43.00	39.00	44.00	56.00	43.00
TiO ₂	0.35	0.57	0.26	0.38	0.45	0.44	0.44	1.24	0.62	0.61	0.30	0.37
U	6.00	6.00	5.00	8.00	6.00	6.00	6.00	9.00	5.00	5.00	6.00	8.00
V	36.00	42.00	15.00	27.00	45.00	37.00	34.00	76.00	60.00	41.00	21.00	31.00
W	3.00	14.00	8.00	7.00	8.00	5.00	5.00	10.00	3.00	10.00	6.00	5.00
Y	40.00	38.00	27.00	36.00	48.00	41.00	41.00	39.00	30.00	53.00	63.00	50.00
Zn	37.00	18.00	28.00	54.00	73.00	64.00	54.00	58.00	90.00	55.00	54.00	55.00
Zr	717.00	1753.00	674.00	838.00	602.00	755.00	929.00	2868.00	585.00	666.00	595.00	724.00

Sample	HK0867	HK0868	HK0869	HK0870	HK0871	HK0872	HK0873	HK0874	HK0875	HK0876	HK0877	HK0878
Ag	0.30	0.20	0.00	0.00	0.00	0.40	0.00	0.30	0.30	0.00	0.00	0.00
As	26.00	19.00	13.00	19.00	21.00	17.00	8.00	21.00	24.00	26.00	18.00	6.00
Ba	261.00	307.00	376.00	325.00	110.00	96.00	118.00	295.00	292.00	204.00	90.00	85.00
Bi	4.00	0.00	5.00	0.00	1.00	1.00	0.00	2.00	3.00	3.00	0.00	3.00
CaO	0.13	0.14	0.22	0.27	0.06	0.20	0.16	0.12	0.20	0.11	0.24	0.07
Cd	0.60	0.50	0.60	0.70	0.70	0.70	0.60	0.70	0.70	0.70	0.70	0.60
Ce	179.00	105.00	150.00	125.00	100.00	114.00	119.00	101.00	137.00	116.00	124.00	93.00
Co	0.00	3.00	6.00	4.00	0.00	0.00	0.00	4.00	0.00	0.00	0.00	3.00
Cr	67.00	12.00	158.00	38.00	10.00	25.00	17.00	77.00	70.00	25.00	114.00	72.00
Cs	13.00	8.00	15.00	19.00	19.00	8.00	15.00	6.00	9.00	16.00	12.00	9.00
Cu	15.00	14.50	14.10	14.40	15.90	18.50	21.40	14.80	15.90	16.60	16.30	18.60
Fe ₂ O ₃	2.42	3.25	3.46	3.38	1.18	1.50	2.05	3.08	3.06	2.71	2.07	1.29
Ga	16.00	20.00	20.00	21.00	10.00	13.00	16.00	21.00	20.00	20.00	15.00	13.00
Ge	2.00	3.00	2.00	2.00	2.00	3.00	1.00	2.00	3.00	5.00	0.00	0.00
Hg	0.20	0.20	0.00	0.00	0.00	0.20	0.20	0.20	0.20	0.00	0.20	0.00
La	49.00	38.00	80.00	56.00	49.00	42.00	58.00	42.00	60.00	49.00	36.00	43.00
MnO	0.07	0.06	0.09	0.08	0.03	0.05	0.03	0.06	0.07	0.06	0.03	0.03
Mo	1.60	1.50	0.80	0.70	0.60	0.20	0.80	1.00	1.70	0.50	0.40	0.20
Nb	71.00	37.00	37.00	37.00	53.00	51.00	39.00	38.00	40.00	32.00	39.00	45.00
Ni	0.00	0.00	5.00	0.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00
P ₂ O ₅	0.05	0.04	0.05	0.05	0.04	0.04	0.04	0.04	0.05	0.05	0.03	0.04
Pb	111.00	84.00	118.00	101.00	60.00	87.00	85.00	85.00	93.00	91.00	84.00	84.00
Rb	148.00	214.00	215.00	217.00	127.00	120.00	166.00	218.00	190.00	194.00	174.00	122.00
Sb	0.00	6.00	0.00	0.00	0.00	5.00	0.00	0.00	0.00	5.00	0.00	0.00
Sc	5.00	5.00	5.00	5.00	0.00	0.00	3.00	7.00	5.00	4.00	3.00	0.00
Se	0.40	0.40	0.60	0.60	0.00	0.00	0.00	0.00	0.30	0.00	0.20	0.30
Sn	10.00	9.00	7.00	6.00	3.00	11.00	13.00	6.00	9.00	10.00	8.00	12.00
Sr	24.00	31.00	44.00	37.00	17.00	13.00	30.00	37.00	32.00	35.00	18.00	12.00
Th	43.00	42.00	50.00	48.00	38.00	46.00	49.00	46.00	42.00	37.00	49.00	39.00
TiO ₂	1.01	0.53	0.50	0.50	0.41	0.41	0.36	0.50	0.57	0.39	0.34	0.40
U	8.00	6.00	8.00	7.00	5.00	9.00	9.00	7.00	6.00	6.00	8.00	8.00
V	48.00	42.00	37.00	40.00	24.00	20.00	23.00	42.00	39.00	27.00	17.00	19.00
W	8.00	7.00	4.00	4.00	3.00	4.00	3.00	3.00	10.00	5.00	9.00	7.00
Y	51.00	35.00	65.00	48.00	51.00	38.00	43.00	45.00	53.00	38.00	33.00	32.00
Zn	41.00	51.00	69.00	75.00	24.00	81.00	79.00	74.00	77.00	58.00	48.00	36.00
Zr	2238.00	1017.00	1277.00	891.00	1230.00	1032.00	760.00	776.00	1053.00	581.00	767.00	1588.00

Sample	HK0879	HK0880	HK0881	HK0882	HK0883	HK0884	HK0885	HK0886	HK0887	HK0888	HK0889	HK0890
Ag	0.40	0.00	1.00	0.80	0.50	0.80	0.80	0.70	0.70	0.90	0.70	0.80
As	30.00	30.00	77.00	5.00	11.00	11.00	6.00	6.00	4.00	13.00	14.00	11.00
Ba	191.00	140.00	214.00	868.00	731.00	578.00	756.00	790.00	593.00	340.00	350.00	425.00
Bi	2.00	2.00	6.00	6.00	6.00	7.00	5.00	5.00	5.00	2.00	4.00	6.00
CaO	0.06	0.71	0.10	0.23	0.27	0.21	0.36	0.30	0.23	0.12	0.46	0.20
Cd	0.60	0.20	0.00	0.00	0.50	0.50	0.50	0.20	0.00	0.00	0.50	0.00
Ce	125.00	82.00	96.00	66.00	133.00	98.00	97.00	96.00	96.00	135.00	130.00	166.00
Co	6.00	6.00	0.00	3.00	17.00	5.00	7.00	10.00	7.00	0.00	7.00	7.00
Cr	13.00	145.00	234.00	0.00	34.00	44.00	0.00	73.00	0.00	267.00	26.00	141.00
Cs	19.00	2.00	6.00	0.00	7.00	0.00	6.00	12.00	0.00	6.00	7.00	8.00
Cu	14.40	22.10	16.40	12.90	16.00	16.90	16.80	14.70	16.60	15.80	21.80	17.10
Fe ₂ O ₃	2.57	2.31	2.54	3.63	3.55	3.54	4.59	4.24	2.91	1.86	3.87	3.20
Ga	20.00	17.00	16.00	12.00	16.00	14.00	16.00	16.00	14.00	14.00	19.00	13.00
Ge	0.00	0.00	1.00	0.00	2.00	3.00	1.00	2.00	0.00	0.00	2.00	2.00
Hg	0.20	0.00	0.20	0.20	0.20	0.20	0.25	0.25	0.20	0.00	0.20	0.00
La	55.00	37.00	35.00	30.00	57.00	37.00	44.00	39.00	41.00	59.00	59.00	61.00
MnO	0.08	0.06	0.06	0.10	0.23	0.11	0.14	0.12	0.09	0.12	0.09	0.10
Mo	1.20	1.40	2.20	2.60	2.60	1.20	1.80	2.10	1.70	2.80	2.40	7.50
Nb	40.00	37.00	34.00	34.00	40.00	33.00	24.00	26.00	36.00	57.00	35.00	55.00
Ni	0.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.00	4.00
P ₂ O ₅	0.04	0.05	0.05	0.06	0.09	0.07	0.09	0.07	0.09	0.08	0.08	0.07
Pb	127.00	94.00	75.00	118.00	103.00	122.00	98.00	113.00	70.00	101.00	231.00	115.00
Rb	203.00	173.00	200.00	169.00	196.00	171.00	220.00	210.00	168.00	172.00	193.00	168.00
Sb	0.00	0.00	2.00	0.00	0.00	0.00	2.00	0.00	2.00	1.00	4.00	0.00
Sc	6.00	8.00	4.00	4.00	8.00	4.00	7.00	7.00	6.00	7.00	5.00	8.00
Se	0.40	0.40	0.30	0.00	0.00	0.30	0.40	0.40	0.30	0.20	0.50	0.00
Sn	12.00	16.00	10.00	314.00	183.00	183.00	87.00	108.00	142.00	56.00	25.00	26.00
Sr	20.00	28.00	19.00	89.00	86.00	61.00	90.00	89.00	69.00	45.00	44.00	41.00
Th	56.00	36.00	37.00	15.00	26.00	23.00	25.00	22.00	26.00	31.00	38.00	45.00
TiO ₂	0.36	0.40	0.59	1.24	1.10	0.77	0.78	0.88	0.90	0.80	0.62	1.12
U	9.00	8.00	5.00	7.00	6.00	7.00	6.00	6.00	5.00	9.00	5.00	13.00
V	26.00	39.00	54.00	91.00	85.00	62.00	68.00	73.00	64.00	40.00	46.00	58.00
W	6.00	0.00	2.00	3.00	12.00	8.00	6.00	8.00	7.00	9.00	6.00	12.00
Y	56.00	54.00	37.00	25.00	29.00	29.00	23.00	25.00	27.00	49.00	45.00	72.00
Zn	43.00	124.00	40.00	65.00	92.00	93.00	105.00	135.00	78.00	51.00	232.00	86.00
Zr	709.00	642.00	1330.00	2296.00	2098.00	1178.00	611.00	1040.00	1540.00	2273.00	877.00	5587.00

Sample	HK0891	HK0892	HK0893	HK0894	HK0895	HK0896	HK0897	HK0898	HK0899	HK0900	HK0901	HK0902
Ag	0.00	0.60	0.70	0.20	0.30	0.20	0.30	0.20	0.70	0.30	0.30	0.20
As	13.00	21.00	224.00	26.00	20.00	20.00	16.00	9.00	11.00	21.00	28.00	27.00
Ba	352.00	399.00	332.00	210.00	154.00	164.00	208.00	333.00	110.00	200.00	127.00	209.00
Bi	0.00	4.00	6.00	2.00	2.00	4.00	3.00	3.00	3.00	1.00	4.00	0.00
CaO	0.24	0.29	0.08	0.14	0.06	0.03	0.10	0.13	0.10	0.08	0.14	0.18
Cd	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ce	191.00	122.00	173.00	143.00	101.00	113.00	119.00	103.00	125.00	100.00	123.00	112.00
Co	8.00	11.00	6.00	7.00	0.00	0.00	0.00	3.00	0.00	3.00	0.00	0.00
Cr	549.00	28.00	0.00	28.00	26.00	183.00	50.00	38.00	17.00	141.00	62.00	209.00
Cs	6.00	10.00	14.00	14.00	17.00	22.00	16.00	15.00	5.00	10.00	7.00	8.00
Cu	16.00	16.70	15.10	17.50	15.90	17.10	16.30	17.40	18.10	15.50	16.90	16.60
Fe ₂ O ₃	3.41	4.09	3.07	2.90	2.02	2.24	2.28	1.92	1.68	2.66	2.21	2.54
Ga	16.00	19.00	16.00	19.00	17.00	18.00	16.00	16.00	15.00	20.00	19.00	18.00
Ge	1.00	2.00	3.00	0.00	1.00	1.00	0.00	0.00	0.00	2.00	0.00	0.00
Hg	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.00	0.60	0.58	0.70
La	50.00	51.00	89.00	68.00	50.00	45.00	60.00	51.00	60.00	46.00	53.00	55.00
MnO	0.12	0.14	0.22	0.12	0.05	0.03	0.05	0.05	0.04	0.09	0.05	0.05
Mo	4.00	2.70	2.60	1.10	1.00	2.90	0.40	1.10	0.20	2.20	2.20	1.10
Nb	28.00	29.00	69.00	32.00	45.00	40.00	37.00	51.00	37.00	34.00	40.00	34.00
Ni	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.00
P ₂ O ₅	0.08	0.07	0.05	0.06	0.04	0.04	0.05	0.06	0.07	0.05	0.05	0.07
Pb	117.00	114.00	148.00	122.00	78.00	54.00	75.00	64.00	86.00	76.00	90.00	103.00
Rb	119.00	199.00	146.00	221.00	188.00	196.00	191.00	193.00	150.00	227.00	233.00	217.00
Sb	1.00	0.00	3.00	2.00	0.00	0.00	2.00	0.00	3.00	0.00	0.00	2.00
Sc	7.00	8.00	8.00	3.00	4.00	5.00	4.00	2.00	3.00	4.00	3.00	3.00
Se	0.30	0.30	0.20	0.30	0.00	0.20	0.00	0.00	0.20	0.30	0.20	0.20
Sn	8.00	18.00	23.00	10.00	12.00	7.00	0.00	7.00	8.00	6.00	5.00	9.00
Sr	51.00	53.00	24.00	23.00	18.00	21.00	23.00	33.00	13.00	17.00	16.00	19.00
Th	31.00	33.00	39.00	48.00	39.00	50.00	43.00	40.00	45.00	46.00	53.00	47.00
TiO ₂	0.79	0.62	1.01	0.40	0.40	0.54	0.47	0.62	0.34	0.34	0.39	0.36
U	7.00	4.00	11.00	6.00	7.00	5.00	4.00	6.00	5.00	6.00	5.00	4.00
V	55.00	50.00	51.00	27.00	26.00	32.00	37.00	30.00	18.00	27.00	22.00	24.00
W	3.00	7.00	19.00	4.00	3.00	6.00	7.00	8.00	7.00	5.00	6.00	0.00
Y	30.00	36.00	50.00	40.00	37.00	36.00	48.00	50.00	48.00	45.00	40.00	45.00
Zn	67.00	124.00	109.00	72.00	53.00	39.00	37.00	53.00	39.00	49.00	43.00	84.00
Zr	2438.00	1237.00	1980.00	568.00	839.00	1081.00	698.00	1246.00	757.00	721.00	845.00	623.00

Sample	HK0903	HK0904	HK0905	HK0906	HK0907	HK0908	HK0909	HK0910	HK0911	HK0912	HK0913	HK0914
Ag	0.00	0.00	0.00	0.50	0.20	0.20	0.60	0.60	0.20	0.50	0.60	0.00
As	2.00	27.00	15.00	6.00	6.00	4.00	2.00	12.00	6.00	0.00	11.00	10.00
Ba	104.00	214.00	105.00	397.00	339.00	375.00	267.00	357.00	359.00	373.00	376.00	378.00
Bi	3.00	2.00	1.00	7.00	3.00	3.00	4.00	4.00	2.00	2.00	13.00	9.00
CaO	0.10	0.11	0.60	0.38	0.18	0.25	0.54	0.27	0.18	0.22	0.18	0.16
Cd	0.00	0.00	0.00	0.80	0.50	0.80	1.40	0.80	0.70	1.30	0.00	0.00
Ce	78.00	104.00	105.00	243.00	166.00	142.00	125.00	136.00	115.00	135.00	94.00	105.00
Co	4.00	0.00	0.00	10.00	7.00	11.00	15.00	7.00	3.00	6.00	5.00	6.00
Cr	212.00	19.00	11.00	114.00	440.00	109.00	245.00	204.00	195.00	233.00	25.00	23.00
Cs	25.00	11.00	12.00	16.00	2.00	14.00	0.00	5.00	6.00	3.00	5.00	14.00
Cu	18.20	16.40	18.10	16.60	15.80	15.00	19.20	15.90	14.50	17.10	19.10	16.70
Fe ₂ O ₃	1.55	2.41	1.79	4.33	3.40	4.16	3.38	3.54	2.28	2.58	2.79	2.89
Ga	13.00	19.00	17.00	18.00	15.00	20.00	22.00	19.00	15.00	17.00	13.00	15.00
Ge	0.00	0.00	0.00	1.00	0.00	0.00	2.00	0.00	0.00	1.00	0.00	0.00
Hg	0.39	0.60	0.53	0.67	0.81	0.83	0.44	0.68	0.67	0.50	0.00	0.00
La	29.00	50.00	37.00	159.00	59.00	70.00	45.00	81.00	50.00	57.00	49.00	55.00
MnO	0.05	0.04	0.05	0.14	0.11	0.21	0.18	0.13	0.07	0.10	0.07	0.07
Mo	0.50	1.70	6.20	3.40	4.80	2.80	2.90	2.70	1.80	2.80	0.20	0.20
Nb	45.00	37.00	39.00	29.00	37.00	28.00	30.00	30.00	37.00	38.00	29.00	33.00
Ni	0.00	0.00	0.00	3.00	2.00	6.00	15.00	9.00	0.00	2.00	0.00	0.00
P ₂ O ₅	0.05	0.05	0.04	0.08	0.07	0.08	0.11	0.07	0.05	0.07	0.10	0.07
Pb	62.00	72.00	66.00	152.00	186.00	136.00	640.00	182.00	166.00	198.00	123.00	133.00
Rb	136.00	223.00	190.00	176.00	167.00	231.00	268.00	245.00	248.00	237.00	218.00	221.00
Sb	4.00	3.00	0.00	0.00	2.00	0.00	2.00	1.00	2.00	2.00	0.00	2.00
Sc	4.00	4.00	3.00	11.00	7.00	6.00	3.00	5.00	5.00	3.00	8.00	4.00
Se	0.00	0.00	0.00	0.40	0.30	0.40	0.60	0.40	0.20	0.30	0.20	0.00
Sn	6.00	9.00	15.00	31.00	530.00	21.00	20.00	14.00	9.00	12.00	11.00	11.00
Sr	14.00	24.00	24.00	54.00	47.00	53.00	50.00	58.00	57.00	54.00	44.00	39.00
Th	30.00	50.00	53.00	39.00	35.00	50.00	66.00	56.00	44.00	48.00	51.00	47.00
TiO ₂	0.38	0.35	0.35	0.72	0.72	0.63	0.54	0.60	0.61	0.62	0.61	0.66
U	4.00	8.00	4.00	10.00	8.00	9.00	14.00	10.00	10.00	11.00	5.00	6.00
V	23.00	27.00	21.00	52.00	55.00	55.00	51.00	51.00	43.00	47.00	48.00	47.00
W	5.00	3.00	10.00	9.00	6.00	5.00	2.00	6.00	13.00	11.00	4.00	3.00
Y	28.00	40.00	37.00	64.00	46.00	47.00	40.00	46.00	45.00	48.00	29.00	39.00
Zn	52.00	81.00	66.00	118.00	112.00	128.00	368.00	131.00	119.00	139.00	102.00	129.00
Zr	954.00	678.00	414.00	2329.00	2757.00	856.00	595.00	744.00	1226.00	1264.00	672.00	944.00

Sample	HK0915	HK0916	HK0917	HK0918	HK0919	HK0920	HK0921	HK0922	HK0923	HK0924	HK0925	HK0926
Ag	0.60	0.60	0.60	0.00	0.60	0.20	0.60	0.50	0.50	0.50	1.10	0.20
As	27.00	22.00	20.00	11.00	11.00	5.00	4.00	3.00	4.00	4.00	2.00	9.00
Ba	334.00	274.00	274.00	398.00	499.00	329.00	274.00	242.00	363.00	277.00	278.00	253.00
Bi	1.00	2.00	1.00	4.00	2.00	4.00	2.00	0.00	2.00	2.00	2.00	6.00
CaO	0.07	0.07	0.09	0.14	0.18	0.20	0.16	0.19	0.23	0.19	0.21	0.19
Cd	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.40
Ce	110.00	91.00	107.00	115.00	106.00	140.00	68.00	183.00	73.00	86.00	138.00	137.00
Co	0.00	0.00	4.00	11.00	13.00	6.00	0.00	0.00	13.00	0.00	7.00	6.00
Cr	22.00	15.00	16.00	393.00	31.00	108.00	102.00	346.00	282.00	20.00	361.00	111.00
Cs	31.00	11.00	23.00	12.00	4.00	11.00	9.00	10.00	10.00	20.00	14.00	10.00
Cu	14.00	14.50	15.80	15.20	15.00	17.00	16.10	19.30	19.70	15.60	15.40	17.00
Fe ₂ O ₃	2.35	2.39	2.23	3.08	3.20	2.80	2.63	2.50	2.43	1.90	2.52	3.26
Ga	19.00	16.00	17.00	18.00	16.00	18.00	17.00	16.00	13.00	14.00	17.00	18.00
Ge	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hg	0.63	0.37	0.69	0.74	0.54	0.64	0.56	0.48	0.61	0.39	0.48	0.48
La	52.00	48.00	46.00	70.00	78.00	72.00	41.00	55.00	40.00	36.00	76.00	27.00
MnO	0.06	0.06	0.06	0.09	0.09	0.06	0.05	0.06	0.07	0.06	0.06	0.09
Mo	3.00	2.20	1.50	2.60	1.40	1.70	2.60	0.70	1.60	0.20	4.50	1.80
Nb	38.00	31.00	37.00	32.00	32.00	29.00	38.00	36.00	30.00	32.00	33.00	27.00
Ni	0.00	0.00	0.00	3.00	3.00	8.00	0.00	0.00	27.00	0.00	6.00	0.00
P ₂ O ₅	0.04	0.04	0.05	0.06	0.07	0.05	0.04	0.06	0.07	0.05	0.05	0.07
Pb	106.00	80.00	84.00	122.00	134.00	103.00	97.00	108.00	82.00	94.00	112.00	169.00
Rb	267.00	258.00	247.00	237.00	221.00	198.00	214.00	144.00	188.00	159.00	197.00	219.00
Sb	5.00	0.00	0.00	0.00	3.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
Sc	3.00	4.00	5.00	8.00	9.00	6.00	4.00	8.00	5.00	4.00	2.00	9.00
Se	0.30	0.30	0.20	0.30	0.30	0.30	0.00	0.30	0.00	0.00	0.30	0.60
Sn	10.00	10.00	13.00	11.00	13.00	13.00	7.00	8.00	8.00	5.00	10.00	27.00
Sr	34.00	33.00	33.00	47.00	59.00	48.00	48.00	31.00	46.00	38.00	41.00	39.00
Th	46.00	43.00	40.00	43.00	39.00	31.00	38.00	40.00	21.00	30.00	47.00	56.00
TiO ₂	0.52	0.40	0.43	0.55	0.71	0.47	0.49	0.50	0.60	0.50	0.53	0.66
U	8.00	7.00	5.00	9.00	8.00	5.00	6.00	4.00	5.00	6.00	9.00	10.00
V	36.00	30.00	32.00	53.00	48.00	47.00	27.00	46.00	62.00	31.00	45.00	64.00
W	6.00	4.00	7.00	9.00	6.00	0.00	4.00	5.00	3.00	3.00	7.00	6.00
Y	51.00	42.00	46.00	50.00	45.00	38.00	42.00	31.00	36.00	29.00	61.00	29.00
Zn	55.00	48.00	64.00	80.00	100.00	60.00	87.00	97.00	79.00	57.00	81.00	140.00
Zr	1363.00	555.00	858.00	701.00	939.00	675.00	758.00	733.00	737.00	720.00	893.00	952.00

Sample	HK0927	HK0928	HK0929	HK0930	HK0931	HK0932	HK0933	HK0934	HK0935	HK0936	HK0937	HK0938
Ag	0.90	0.50	0.20	0.70	0.60	0.50	0.20	0.70	0.60	0.20	0.20	0.60
As	3.00	11.00	4.00	3.00	5.00	0.00	0.00	5.00	9.00	2.00	5.00	44.00
Ba	257.00	250.00	268.00	297.00	304.00	266.00	255.00	270.00	293.00	297.00	285.00	436.00
Bi	4.00	4.00	4.00	5.00	7.00	5.00	6.00	3.00	12.00	11.00	9.00	2.00
CaO	0.17	0.12	0.13	0.14	0.16	0.10	0.18	0.27	0.22	0.32	0.41	0.52
Cd	0.00	0.30	0.00	0.00	0.00	0.00	0.20	0.00	0.20	0.00	0.50	0.00
Ce	108.00	129.00	105.00	136.00	94.00	104.00	98.00	74.00	108.00	106.00	124.00	105.00
Co	3.00	0.00	5.00	10.00	0.00	0.00	0.00	6.00	10.00	10.00	8.00	62.00
Cr	29.00	31.00	38.00	52.00	0.00	0.00	243.00	49.00	26.00	26.00	16.00	12.00
Cs	8.00	10.00	6.00	17.00	0.00	10.00	7.00	10.00	11.00	4.00	3.00	0.00
Cu	19.50	15.80	17.10	18.60	13.90	17.80	18.10	16.40	17.80	17.80	18.40	5.40
Fe ₂ O ₃	2.16	4.16	2.63	2.67	1.96	1.49	2.10	2.58	3.32	3.18	3.75	18.59
Ga	15.00	24.00	16.00	17.00	12.00	12.00	14.00	15.00	21.00	18.00	19.00	12.00
Ge	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	7.00
Hg	0.56	0.50	0.72	0.45	0.44	0.36	0.00	0.20	0.20	0.20	0.20	0.58
La	48.00	40.00	45.00	66.00	36.00	45.00	37.00	40.00	45.00	37.00	40.00	42.00
MnO	0.05	0.03	0.05	0.06	0.04	0.03	0.05	0.06	0.14	0.12	0.12	2.03
Mo	2.00	3.00	3.60	3.30	6.30	2.10	3.20	1.70	5.60	4.30	3.70	10.60
Nb	30.00	36.00	37.00	33.00	57.00	44.00	34.00	30.00	27.00	32.00	28.00	12.00
Ni	0.00	7.00	0.00	3.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00
P ₂ O ₅	0.05	0.04	0.04	0.05	0.03	0.04	0.06	0.04	0.05	0.05	0.06	0.15
Pb	188.00	149.00	201.00	206.00	97.00	56.00	110.00	99.00	197.00	277.00	290.00	117.00
Rb	238.00	157.00	220.00	215.00	147.00	137.00	167.00	184.00	291.00	243.00	214.00	104.00
Sb	2.00	0.00	4.00	0.00	2.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00
Sc	5.00	7.00	8.00	9.00	5.00	4.00	6.00	6.00	6.00	5.00	8.00	3.00
Se	0.30	0.60	0.30	0.30	0.00	0.20	0.50	0.20	0.40	0.30	0.40	0.40
Sn	10.00	16.00	10.00	24.00	6.00	9.00	10.00	6.00	28.00	21.00	26.00	13.00
Sr	38.00	29.00	40.00	42.00	45.00	35.00	37.00	44.00	59.00	63.00	62.00	28.00
Th	44.00	73.00	46.00	46.00	42.00	43.00	42.00	58.00	54.00	65.00	57.00	24.00
TiO ₂	0.53	0.77	0.69	0.61	1.28	0.76	0.65	0.64	0.59	0.71	0.76	0.45
U	12.00	8.00	9.00	10.00	11.00	8.00	7.00	12.00	11.00	13.00	12.00	8.00
V	35.00	71.00	50.00	56.00	59.00	35.00	50.00	55.00	64.00	61.00	66.00	27.00
W	6.00	4.00	7.00	5.00	5.00	10.00	0.00	0.00	3.00	7.00	5.00	3.00
Y	43.00	39.00	44.00	49.00	42.00	38.00	30.00	34.00	36.00	30.00	26.00	32.00
Zn	75.00	76.00	59.00	77.00	39.00	37.00	70.00	71.00	130.00	158.00	207.00	125.00
Zr	839.00	831.00	1158.00	902.00	3134.00	1670.00	1514.00	1160.00	798.00	1416.00	1101.00	163.00

Sample	HK0939	HK0940	HK0941	HK0942	HK0943	HK0944	HK0945	HK0946	HK0947	HK0948	HK0949	HK0950
Ag	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.00	0.60	0.00	0.00	0.50
As	0.00	3.00	28.00	9.00	2.00	8.00	2.00	0.00	2.00	2.00	0.00	5.00
Ba	274.00	201.00	289.00	245.00	323.00	185.00	213.00	263.00	228.00	266.00	301.00	279.00
Bi	5.00	7.00	5.00	0.00	3.00	3.00	7.00	7.00	9.00	4.00	5.00	7.00
CaO	0.30	0.23	0.09	0.20	0.13	0.15	0.17	0.19	0.21	0.23	0.20	0.20
Cd	0.50	0.20	0.50	0.20	0.00	0.50	0.50	0.00	0.00	0.30	0.40	0.40
Ce	110.00	121.00	126.00	128.00	100.00	138.00	148.00	105.00	131.00	156.00	146.00	137.00
Co	8.00	7.00	3.00	3.00	7.00	3.00	4.00	6.00	4.00	7.00	12.00	7.00
Cr	21.00	22.00	245.00	34.00	33.00	86.00	30.00	0.00	0.00	47.00	9.00	4.00
Cs	1.00	12.00	12.00	4.00	16.00	9.00	8.00	3.00	8.00	2.00	18.00	16.00
Cu	17.80	23.40	15.90	15.90	16.00	19.00	17.00	15.70	15.60	18.30	13.60	15.30
Fe ₂ O ₃	4.21	2.90	3.14	3.20	2.25	1.86	2.28	3.80	2.56	3.16	4.87	3.32
Ga	22.00	18.00	19.00	18.00	17.00	14.00	14.00	19.00	16.00	21.00	27.00	21.00
Ge	1.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	1.00	1.00	2.00
Hg	0.20	0.00	0.20	0.20	0.20	0.00	0.00	0.00	0.20	0.00	0.20	0.00
La	36.00	48.00	57.00	42.00	30.00	41.00	39.00	47.00	32.00	54.00	74.00	36.00
MnO	0.15	0.08	0.06	0.06	0.05	0.06	0.06	0.07	0.05	0.10	0.13	0.08
Mo	4.00	3.10	1.40	2.40	2.50	1.40	2.10	3.40	2.40	4.10	3.20	4.20
Nb	30.00	31.00	42.00	36.00	28.00	38.00	33.00	43.00	33.00	31.00	32.00	51.00
Ni	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.00	7.00	6.00
P ₂ O ₅	0.06	0.05	0.05	0.06	0.05	0.05	0.05	0.05	0.05	0.06	0.05	0.04
Pb	230.00	130.00	132.00	133.00	116.00	100.00	88.00	162.00	114.00	175.00	221.00	185.00
Rb	217.00	226.00	204.00	198.00	252.00	134.00	121.00	212.00	149.00	181.00	264.00	172.00
Sb	2.00	0.00	3.00	2.00	0.00	1.00	0.00	0.00	0.00	2.00	0.00	5.00
Sc	5.00	5.00	4.00	6.00	5.00	8.00	5.00	6.00	9.00	4.00	8.00	10.00
Se	0.60	0.50	0.40	0.50	0.30	0.40	0.40	0.40	0.40	0.70	0.80	0.70
Sn	15.00	24.00	14.00	19.00	16.00	9.00	12.00	15.00	13.00	16.00	16.00	15.00
Sr	51.00	40.00	28.00	37.00	54.00	27.00	29.00	41.00	43.00	47.00	43.00	40.00
Th	79.00	57.00	46.00	56.00	37.00	42.00	39.00	61.00	55.00	57.00	87.00	60.00
TiO ₂	0.62	0.55	0.59	0.66	0.55	0.54	0.56	0.90	0.80	0.69	0.80	1.06
U	15.00	11.00	8.00	10.00	8.00	7.00	5.00	14.00	12.00	11.00	15.00	14.00
V	53.00	48.00	36.00	56.00	41.00	42.00	42.00	74.00	61.00	59.00	78.00	67.00
W	12.00	8.00	9.00	6.00	2.00	2.00	4.00	10.00	4.00	3.00	13.00	8.00
Y	35.00	38.00	47.00	34.00	25.00	38.00	27.00	34.00	23.00	33.00	40.00	41.00
Zn	203.00	109.00	64.00	83.00	71.00	64.00	57.00	114.00	49.00	76.00	81.00	79.00
Zr	846.00	972.00	1275.00	1049.00	868.00	941.00	904.00	1172.00	2172.00	1011.00	688.00	1816.00

Sample	HK0951	HK0952	HK0953	HK0954	HK0955	HK0956	HK0957	HK0958	HK0959	HK0960	HK0961	HK0962
Ag	0.00	0.30	0.20	0.50	0.40	0.30	0.50	0.50	0.90	0.70	0.40	0.60
As	3.00	12.00	10.00	5.00	0.00	2.00	0.00	0.00	0.00	3.00	0.00	0.00
Ba	119.00	163.00	202.00	176.00	164.00	217.00	168.00	239.00	233.00	256.00	325.00	276.00
Bi	4.00	3.00	6.00	9.00	4.00	5.00	9.00	4.00	5.00	3.00	2.00	5.00
CaO	0.14	0.11	0.20	0.14	0.08	0.15	0.24	0.10	0.15	0.17	0.12	0.21
Cd	0.50	0.00	0.70	0.20	0.30	0.50	0.00	0.00	0.00	0.30	0.00	0.50
Ce	108.00	117.00	139.00	94.00	101.00	134.00	100.00	276.00	315.00	228.00	138.00	128.00
Co	9.00	0.00	11.00	0.00	0.00	7.00	12.00	5.00	4.00	7.00	17.00	10.00
Cr	143.00	29.00	260.00	67.00	127.00	22.00	82.00	0.00	34.00	59.00	30.00	321.00
Cs	5.00	7.00	16.00	1.00	0.00	12.00	6.00	11.00	10.00	8.00	7.00	3.00
Cu	16.90	22.20	17.90	16.20	17.90	17.50	17.40	14.30	9.80	15.00	14.90	15.40
Fe ₂ O ₃	4.24	3.05	3.65	3.71	2.87	3.79	2.71	3.85	4.49	3.68	3.88	2.53
Ga	28.00	17.00	21.00	21.00	19.00	23.00	18.00	23.00	19.00	25.00	19.00	18.00
Ge	0.00	0.00	0.00	0.00	1.00	0.00	2.00	4.00	4.00	0.00	1.00	0.00
Hg	0.20	0.20	0.00	0.20	0.20	0.00	0.00	0.20	0.00	0.20	0.20	0.20
La	19.00	25.00	40.00	25.00	26.00	36.00	27.00	116.00	133.00	120.00	52.00	48.00
MnO	0.04	0.09	0.12	0.04	0.04	0.09	0.15	0.13	0.14	0.13	0.14	0.08
Mo	1.90	1.60	3.10	2.80	3.70	2.30	8.00	3.00	2.30	1.70	3.10	3.00
Nb	47.00	30.00	39.00	46.00	45.00	42.00	37.00	74.00	63.00	58.00	48.00	58.00
Ni	10.00	0.00	2.00	0.00	0.00	2.00	13.00	22.00	12.00	20.00	13.00	21.00
P ₂ O ₅	0.04	0.05	0.06	0.04	0.04	0.06	0.05	0.04	0.05	0.05	0.06	0.04
Pb	147.00	118.00	279.00	148.00	119.00	241.00	171.00	108.00	88.00	141.00	86.00	111.00
Rb	165.00	161.00	172.00	164.00	196.00	176.00	202.00	292.00	225.00	320.00	303.00	270.00
Sb	0.00	0.00	0.00	4.00	0.00	0.00	0.00	0.00	5.00	0.00	0.00	4.00
Sc	9.00	7.00	8.00	9.00	7.00	5.00	5.00	2.00	9.00	8.00	9.00	5.00
Se	1.10	0.50	0.90	0.80	0.50	1.00	0.30	0.40	0.30	0.60	0.50	0.40
Sn	21.00	8.00	19.00	25.00	17.00	18.00	69.00	14.00	5.00	9.00	6.00	13.00
Sr	19.00	21.00	32.00	29.00	33.00	33.00	35.00	39.00	36.00	44.00	51.00	53.00
Th	85.00	52.00	62.00	73.00	71.00	76.00	108.00	164.00	174.00	90.00	89.00	120.00
TiO ₂	0.69	0.51	0.73	0.79	0.82	0.80	0.43	0.78	0.78	0.58	0.70	0.50
U	13.00	7.00	11.00	10.00	9.00	13.00	16.00	29.00	20.00	16.00	16.00	18.00
V	60.00	38.00	65.00	78.00	60.00	66.00	42.00	37.00	49.00	35.00	71.00	52.00
W	7.00	3.00	5.00	8.00	7.00	9.00	6.00	12.00	7.00	10.00	11.00	12.00
Y	56.00	34.00	33.00	42.00	41.00	36.00	76.00	133.00	110.00	95.00	78.00	101.00
Zn	65.00	59.00	125.00	78.00	70.00	122.00	70.00	71.00	80.00	89.00	42.00	48.00
Zr	953.00	422.00	827.00	1112.00	1268.00	904.00	1166.00	3287.00	2515.00	1405.00	1123.00	1375.00

Sample	HK0963	HK0964	HK0965	HK0966	HK0967	HK0968	HK0969	HK0970	HK0971	HK0972	HK0973	HK0974
Ag	0.50	0.00	0.50	0.50	0.50	0.00	0.50	0.50	0.40	0.20	0.00	0.00
As	0.00	3.00	0.00	0.00	7.00	0.00	1.00	4.00	0.00	4.00	0.00	0.00
Ba	291.00	102.00	104.00	62.00	129.00	114.00	211.00	131.00	106.00	237.00	247.00	257.00
Bi	3.00	7.00	9.00	10.00	6.00	7.00	5.00	6.00	6.00	4.00	7.00	5.00
CaO	0.17	0.09	0.12	0.07	0.10	0.08	0.10	0.26	0.13	0.24	0.21	0.32
Cd	0.00	0.50	0.60	0.50	0.50	0.40	0.50	0.50	0.60	0.70	0.60	0.60
Ce	148.00	105.00	109.00	105.00	143.00	162.00	77.00	138.00	75.00	227.00	202.00	100.00
Co	8.00	9.00	6.00	0.00	5.00	7.00	9.00	9.00	0.00	15.00	11.00	8.00
Cr	378.00	69.00	134.00	23.00	36.00	57.00	190.00	20.00	80.00	121.00	71.00	0.00
Cs	6.00	4.00	13.00	3.00	10.00	12.00	0.00	5.00	10.00	11.00	16.00	8.00
Cu	17.00	18.00	18.60	16.10	18.30	16.30	15.00	14.10	15.20	15.80	14.80	16.50
Fe ₂ O ₃	2.99	2.88	2.56	1.42	4.04	4.46	2.12	6.22	1.73	5.11	3.33	2.48
Ga	18.00	24.00	21.00	13.00	27.00	25.00	17.00	20.00	18.00	24.00	18.00	15.00
Ge	2.00	2.00	2.00	3.00	0.00	3.00	2.00	1.00	2.00	0.00	2.00	1.00
Hg	0.20	0.00	0.20	0.00	0.00	0.20	0.00	0.20	0.00	0.51	0.42	0.36
La	58.00	23.00	21.00	26.00	31.00	44.00	21.00	20.00	20.00	37.00	32.00	30.00
MnO	0.09	0.12	0.11	0.06	0.08	0.05	0.05	0.30	0.08	0.12	0.17	0.10
Mo	3.50	4.50	3.80	1.70	4.80	4.40	1.00	1.60	0.20	3.10	3.00	2.00
Nb	63.00	54.00	43.00	61.00	81.00	111.00	48.00	30.00	44.00	30.00	36.00	30.00
Ni	18.00	14.00	5.00	19.00	17.00	31.00	12.00	0.00	8.00	0.00	0.00	0.00
P ₂ O ₅	0.05	0.04	0.04	0.03	0.04	0.04	0.05	0.07	0.04	0.06	0.06	0.06
Pb	71.00	213.00	207.00	113.00	231.00	226.00	107.00	111.00	115.00	223.00	218.00	123.00
Rb	281.00	260.00	188.00	162.00	176.00	145.00	277.00	122.00	272.00	148.00	118.00	119.00
Sb	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00	6.00	0.00	0.00	0.00
Sc	7.00	5.00	5.00	2.00	12.00	15.00	7.00	6.00	6.00	13.00	6.00	4.00
Se	0.40	0.90	0.50	0.30	0.90	0.80	0.30	1.30	0.40	0.80	0.50	0.40
Sn	5.00	29.00	36.00	70.00	202.00	428.00	19.00	26.00	23.00	44.00	64.00	8.00
Sr	54.00	17.00	23.00	14.00	21.00	16.00	32.00	18.00	22.00	32.00	38.00	49.00
Th	129.00	164.00	115.00	169.00	185.00	209.00	112.00	70.00	82.00	79.00	67.00	44.00
TiO ₂	0.56	0.43	0.39	0.38	0.53	0.68	0.43	0.50	0.32	0.99	1.00	0.80
U	19.00	17.00	17.00	29.00	18.00	25.00	20.00	9.00	13.00	16.00	23.00	10.00
V	64.00	26.00	35.00	25.00	41.00	53.00	41.00	45.00	20.00	95.00	77.00	63.00
W	9.00	7.00	4.00	17.00	13.00	16.00	8.00	7.00	7.00	7.00	6.00	4.00
Y	98.00	89.00	74.00	142.00	118.00	167.00	97.00	43.00	76.00	26.00	36.00	26.00
Zn	39.00	53.00	44.00	34.00	57.00	45.00	64.00	64.00	49.00	137.00	72.00	60.00
Zr	1381.00	799.00	911.00	2522.00	1107.00	1712.00	1252.00	742.00	769.00	1481.00	3561.00	2169.00

Sample	HK0975	HK0976	HK0977	HK0978	HK0979	HK0980	HK0981	HK0982	HK0983	HK0984	HK0985	HK0986
Ag	0.00	0.00	0.00	0.50	0.20	0.20	0.80	0.50	0.00	0.50	0.00	0.60
As	0.00	2.00	5.00	12.00	12.00	6.00	2.00	7.00	8.00	18.00	9.00	5.00
Ba	290.00	251.00	317.00	131.00	138.00	135.00	189.00	170.00	248.00	398.00	282.00	405.00
Bi	2.00	10.00	7.00	2.00	6.00	4.00	5.00	6.00	13.00	15.00	17.00	17.00
CaO	0.12	0.17	0.26	0.05	0.08	0.07	0.14	0.12	0.09	0.07	0.08	0.11
Cd	0.60	0.70	0.60	0.70	0.50	0.50	0.30	0.00	0.00	0.20	0.20	0.20
Ce	108.00	129.00	146.00	155.00	107.00	126.00	135.00	160.00	207.00	181.00	179.00	121.00
Co	8.00	10.00	9.00	5.00	0.00	0.00	4.00	9.00	7.00	5.00	0.00	0.00
Cr	0.00	26.00	23.00	46.00	30.00	35.00	57.00	100.00	92.00	49.00	0.00	13.00
Cs	6.00	5.00	6.00	10.00	14.00	12.00	15.00	18.00	19.00	13.00	0.00	6.00
Cu	16.10	14.20	90.00	15.30	19.50	16.40	18.80	17.50	18.20	22.10	18.50	20.10
Fe ₂ O ₃	2.81	4.73	3.74	3.22	2.03	2.23	1.91	2.19	3.66	3.98	3.60	2.01
Ga	17.00	19.00	16.00	19.00	16.00	16.00	15.00	17.00	19.00	20.00	19.00	15.00
Ge	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hg	0.62	0.79	0.58	0.20	0.20	0.20	0.20	0.36	0.52	0.43	0.50	0.33
La	48.00	24.00	64.00	86.00	60.00	91.00	79.00	125.00	59.00	48.00	57.00	51.00
MnO	0.06	0.10	0.22	0.06	0.06	0.09	0.23	0.13	0.09	0.07	0.08	0.06
Mo	0.60	4.70	3.50	0.20	0.40	0.40	1.40	1.00	1.00	4.00	3.80	1.50
Nb	35.00	44.00	93.00	34.00	49.00	48.00	57.00	41.00	39.00	34.00	46.00	35.00
Ni	0.00	0.00	0.00	0.00	0.00	7.00	10.00	9.00	0.00	0.00	0.00	0.00
P ₂ O ₅	0.05	0.06	0.10	0.07	0.07	0.06	0.08	0.05	0.05	0.04	0.05	0.05
Pb	211.00	149.00	166.00	102.00	117.00	115.00	109.00	123.00	128.00	83.00	125.00	125.00
Rb	170.00	109.00	100.00	161.00	159.00	168.00	151.00	174.00	180.00	164.00	177.00	228.00
Sb	0.00	0.00	3.00	0.00	6.00	0.00	0.00	2.00	5.00	0.00	3.00	3.00
Sc	8.00	11.00	5.00	2.00	4.00	2.00	3.00	3.00	7.00	9.00	6.00	3.00
Se	0.20	0.30	0.80	0.90	1.30	0.80	1.00	0.50	0.40	0.70	0.60	0.50
Sn	10.00	22.00	31.00	4.00	19.00	25.00	26.00	9.00	28.00	17.00	30.00	50.00
Sr	36.00	27.00	21.00	14.00	16.00	14.00	19.00	18.00	30.00	53.00	35.00	59.00
Th	38.00	71.00	29.00	47.00	52.00	58.00	43.00	46.00	50.00	43.00	47.00	36.00
TiO ₂	0.85	1.27	1.64	0.51	0.55	0.52	0.65	0.48	0.67	0.83	0.78	0.60
U	11.00	19.00	7.00	9.00	9.00	9.00	13.00	10.00	7.00	6.00	9.00	6.00
V	62.00	103.00	72.00	39.00	38.00	34.00	34.00	34.00	46.00	60.00	55.00	33.00
W	5.00	7.00	12.00	8.00	10.00	10.00	13.00	9.00	10.00	13.00	19.00	31.00
Y	42.00	32.00	46.00	73.00	52.00	69.00	67.00	89.00	38.00	27.00	41.00	40.00
Zn	77.00	62.00	183.00	116.00	74.00	64.00	146.00	136.00	60.00	43.00	54.00	60.00
Zr	1612.00	3976.00	3605.00	1149.00	1430.00	1370.00	2552.00	1718.00	976.00	1931.00	1841.00	1613.00

Sample	HK0987	HK0988	HK0989	HK0990	HK0991	HK0992	HK0993	HK0994	HK0995	HK0996	HK0997	HK0998
Ag	0.60	0.00	0.50	0.50	0.00	0.00	0.00	0.00	0.00	0.60	0.40	0.20
As	8.00	5.00	9.00	0.00	10.00	3.00	8.00	10.00	3.00	11.00	7.00	16.00
Ba	284.00	472.00	332.00	243.00	270.00	62.00	236.00	264.00	125.00	287.00	274.00	290.00
Bi	33.00	31.00	23.00	40.00	40.00	7.00	13.00	25.00	4.00	39.00	9.00	8.00
CaO	0.10	0.15	0.11	0.07	0.11	0.08	0.14	0.13	0.12	0.16	0.08	0.08
Cd	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.70	0.00
Ce	175.00	145.00	164.00	120.00	107.00	69.00	83.00	126.00	82.00	94.00	135.00	134.00
Co	7.00	5.00	4.00	6.00	0.00	0.00	0.00	4.00	0.00	3.00	4.00	4.00
Cr	115.00	0.00	34.00	585.00	28.00	15.00	32.00	30.00	26.00	13.00	3.00	8.00
Cs	19.00	20.00	16.00	11.00	9.00	11.00	11.00	19.00	11.00	1.00	29.00	11.00
Cu	23.40	20.40	21.60	20.10	21.20	18.50	19.30	22.20	19.00	9.00	12.50	9.30
Fe ₂ O ₃	3.88	3.85	3.64	3.35	3.18	1.14	2.07	3.25	1.50	3.26	3.39	3.32
Ga	21.00	18.00	19.00	16.00	16.00	12.00	13.00	18.00	16.00	16.00	28.00	22.00
Ge	0.00	0.00	0.00	0.00	2.00	1.00	1.00	0.00	3.00	5.00	4.00	2.00
Hg	0.20	0.20	0.24	0.00	0.20	0.20	0.20	0.43	0.45	0.00	0.00	0.60
La	58.00	53.00	56.00	42.00	46.00	20.00	33.00	50.00	20.00	29.00	44.00	41.00
MnO	0.11	0.12	0.10	0.08	0.08	0.05	0.06	0.08	0.05	0.08	0.07	0.07
Mo	12.60	10.60	6.80	14.30	9.70	16.00	6.70	11.60	11.50	8.20	2.70	2.90
Nb	36.00	39.00	36.00	42.00	40.00	21.00	35.00	29.00	35.00	41.00	75.00	90.00
Ni	4.00	0.00	0.00	5.00	0.00	0.00	0.00	0.00	8.00	5.00	6.00	5.00
P ₂ O ₅	0.06	0.06	0.06	0.04	0.05	0.04	0.05	0.05	0.04	0.04	0.03	0.03
Pb	155.00	108.00	121.00	123.00	112.00	94.00	80.00	126.00	122.00	32.00	25.00	29.00
Rb	193.00	222.00	206.00	205.00	192.00	154.00	170.00	226.00	329.00	195.00	186.00	179.00
Sb	0.00	1.00	0.00	2.00	2.00	0.00	0.00	0.00	1.00	1.00	4.00	6.00
Sc	8.00	8.00	7.00	2.00	8.00	4.00	2.00	8.00	0.00	6.00	11.00	8.00
Se	0.80	0.60	0.60	0.50	0.40	0.20	0.30	0.50	0.30	0.30	0.40	0.30
Sn	35.00	37.00	29.00	51.00	42.00	15.00	101.00	44.00	88.00	31.00	11.00	11.00
Sr	33.00	44.00	41.00	32.00	27.00	11.00	35.00	32.00	24.00	23.00	17.00	17.00
Th	55.00	45.00	43.00	41.00	36.00	22.00	30.00	44.00	50.00	37.00	33.00	35.00
TiO ₂	0.67	0.81	0.64	0.67	0.70	0.16	0.53	0.54	0.26	0.63	0.76	0.96
U	7.00	7.00	6.00	9.00	5.00	5.00	6.00	7.00	19.00	7.00	10.00	7.00
V	51.00	54.00	44.00	46.00	50.00	15.00	34.00	43.00	16.00	18.00	21.00	24.00
W	37.00	40.00	16.00	73.00	41.00	15.00	23.00	15.00	11.00	50.00	12.00	17.00
Y	40.00	39.00	34.00	38.00	39.00	32.00	39.00	39.00	82.00	30.00	32.00	31.00
Zn	78.00	79.00	67.00	44.00	45.00	63.00	37.00	94.00	55.00	98.00	92.00	190.00
Zr	1283.00	1563.00	1100.00	1740.00	1700.00	327.00	1266.00	800.00	1016.00	1115.00	1299.00	1604.00

Sample	HK0999	HK1000	HK1001	HK1002	HK1003	HK1004	HK1005	HK1006	HK1007	HK1008	HK1009	HK1010
Ag	0.20	0.00	0.00	0.00	0.00	0.00	0.30	0.00	0.00	0.20	0.00	0.00
As	9.00	16.00	9.00	11.00	15.00	10.00	12.00	21.00	12.00	49.00	51.00	11.00
Ba	265.00	341.00	312.00	499.00	330.00	313.00	321.00	222.00	309.00	198.00	181.00	238.00
Bi	6.00	4.00	9.00	8.00	6.00	9.00	5.00	7.00	7.00	10.00	10.00	10.00
CaO	0.09	0.12	0.08	0.08	0.13	0.11	0.15	0.12	0.14	0.14	0.10	0.27
Cd	0.00	0.00	0.00	0.00	0.00	0.00	0.90	0.00	0.00	0.50	0.00	0.20
Ce	159.00	138.00	151.00	116.00	101.00	74.00	124.00	113.00	126.00	126.00	153.00	93.00
Co	3.00	3.00	5.00	3.00	3.00	3.00	4.00	3.00	3.00	3.00	4.00	5.00
Cr	8.00	3.00	34.00	3.00	5.00	3.00	112.00	3.00	61.00	3.00	3.00	3.00
Cs	21.00	20.00	18.00	6.00	5.00	12.00	11.00	14.00	3.00	8.00	10.00	7.00
Cu	10.80	9.40	11.20	8.00	9.60	3.30	9.90	9.30	9.10	4.10	10.30	6.80
Fe ₂ O ₃	3.27	2.93	2.89	2.39	2.42	1.97	2.30	2.05	2.46	2.25	2.16	3.96
Ga	24.00	19.00	21.00	16.00	18.00	12.00	16.00	15.00	16.00	13.00	18.00	18.00
Ge	3.00	2.00	4.00	4.00	2.00	3.00	2.00	3.00	3.00	3.00	2.00	3.00
Hg	0.60	0.64	0.62	0.20	0.53	0.00	0.62	0.32	0.20	0.00	0.00	0.00
La	52.00	45.00	50.00	39.00	43.00	32.00	49.00	45.00	46.00	53.00	57.00	30.00
MnO	0.08	0.09	0.09	0.07	0.08	0.05	0.09	0.06	0.07	0.08	0.08	0.13
Mo	3.50	3.40	3.10	3.50	2.10	1.40	3.90	2.40	3.30	3.00	4.00	3.00
Nb	98.00	83.00	89.00	67.00	54.00	31.00	61.00	53.00	62.00	44.00	66.00	38.00
Ni	4.00	6.00	6.00	5.00	6.00	4.00	7.00	3.00	9.00	4.00	2.00	4.00
P ₂ O ₅	0.04	0.05	0.05	0.04	0.05	0.05	0.04	0.04	0.05	0.04	0.04	0.14
Pb	32.00	28.00	33.00	28.00	31.00	27.00	33.00	27.00	33.00	28.00	35.00	54.00
Rb	196.00	192.00	188.00	170.00	177.00	114.00	175.00	155.00	161.00	139.00	166.00	170.00
Sb	2.00	1.00	5.00	2.00	7.00	1.00	2.00	2.00	2.00	4.00	1.00	1.00
Sc	6.00	8.00	7.00	6.00	7.00	5.00	7.00	4.00	9.00	5.00	3.00	8.00
Se	0.40	0.40	0.40	0.00	0.40	0.30	0.00	0.30	0.30	0.40	0.40	0.60
Sn	7.00	9.00	12.00	10.00	11.00	11.00	9.00	7.00	14.00	7.00	10.00	40.00
Sr	16.00	23.00	23.00	30.00	29.00	18.00	27.00	15.00	24.00	15.00	14.00	24.00
Th	35.00	40.00	37.00	28.00	39.00	27.00	32.00	36.00	34.00	37.00	52.00	40.00
TiO ₂	0.75	0.69	0.84	0.69	0.41	0.37	0.47	0.47	0.55	0.48	0.54	0.59
U	10.00	10.00	9.00	9.00	7.00	3.00	12.00	12.00	8.00	10.00	10.00	11.00
V	20.00	18.00	23.00	17.00	16.00	11.00	16.00	17.00	15.00	11.00	13.00	23.00
W	10.00	13.00	16.00	11.00	7.00	6.00	14.00	14.00	8.00	11.00	15.00	8.00
Y	35.00	38.00	48.00	54.00	55.00	43.00	49.00	52.00	41.00	44.00	55.00	36.00
Zn	114.00	99.00	81.00	49.00	80.00	60.00	103.00	60.00	88.00	52.00	119.00	102.00
Zr	2197.00	1306.00	1470.00	2457.00	926.00	480.00	1329.00	1035.00	1423.00	889.00	1244.00	575.00

Sample	HK1011	HK1012	HK1013	HK1014	HK1015	HK1016	HK1017	HK1018	HK1019	HK1020	HK1021	HK1022
Ag	0.30	0.40	0.20	0.50	0.40	0.30	0.20	0.20	0.30	0.40	0.40	0.30
As	17.00	21.00	2.00	8.00	15.00	9.00	13.00	4.00	7.00	1.00	5.00	8.00
Ba	202.00	284.00	231.00	161.00	242.00	228.00	258.00	319.00	347.00	239.00	449.00	322.00
Bi	8.00	6.00	8.00	14.00	13.00	12.00	11.00	7.00	6.00	10.00	7.00	8.00
CaO	0.16	0.12	0.23	0.11	0.18	0.15	0.16	0.22	0.41	0.18	0.73	0.18
Cd	0.00	0.00	0.50	0.30	0.50	0.50	0.60	0.60	0.60	0.20	0.90	0.50
Ce	101.00	157.00	176.00	125.00	70.00	75.00	97.00	127.00	93.00	158.00	157.00	99.00
Co	4.00	4.00	5.00	6.00	3.00	3.00	4.00	4.00	7.00	3.00	12.00	5.00
Cr	3.00	3.00	4.00	15.00	3.00	185.00	3.00	27.00	9.00	3.00	24.00	5.00
Cs	10.00	17.00	5.00	18.00	2.00	11.00	1.00	1.00	17.00	11.00	20.00	1.00
Cu	7.70	9.20	11.50	10.30	2.80	6.60	7.70	13.30	11.20	9.20	17.60	10.70
Fe ₂ O ₃	2.12	2.75	3.36	4.68	2.58	2.38	2.77	3.21	3.48	2.40	5.07	2.79
Ga	17.00	21.00	27.00	32.00	14.00	17.00	19.00	23.00	17.00	16.00	27.00	15.00
Ge	2.00	2.00	3.00	4.00	3.00	6.00	3.00	3.00	4.00	1.00	4.00	3.00
Hg	0.00	0.20	0.20	0.20	0.00	0.00	0.00	0.20	0.21	0.00	0.22	0.20
La	42.00	66.00	32.00	31.00	23.00	23.00	29.00	45.00	41.00	37.00	61.00	35.00
MnO	0.07	0.09	0.08	0.02	0.04	0.05	0.04	0.05	0.11	0.06	0.28	0.11
Mo	3.40	2.80	3.40	6.80	2.00	4.80	3.00	4.70	4.20	2.90	3.30	4.30
Nb	54.00	55.00	54.00	54.00	33.00	35.00	47.00	40.00	38.00	39.00	38.00	39.00
Ni	2.00	7.00	9.00	10.00	5.00	9.00	6.00	10.00	7.00	4.00	19.00	6.00
P ₂ O ₅	0.05	0.05	0.05	0.03	0.05	0.05	0.04	0.08	0.08	0.06	0.11	0.08
Pb	33.00	40.00	68.00	61.00	52.00	50.00	59.00	86.00	56.00	53.00	117.00	50.00
Rb	171.00	220.00	219.00	153.00	145.00	164.00	179.00	285.00	233.00	136.00	310.00	207.00
Sb	3.00	6.00	1.00	1.00	1.00	1.00	1.00	9.00	3.00	1.00	4.00	1.00
Sc	6.00	9.00	12.00	8.00	6.00	7.00	8.00	7.00	9.00	5.00	12.00	9.00
Se	0.30	0.40	0.60	0.70	0.50	0.50	0.50	0.40	0.20	0.40	0.40	0.30
Sn	10.00	12.00	18.00	22.00	10.00	8.00	15.00	14.00	10.00	13.00	17.00	8.00
Sr	15.00	19.00	28.00	22.00	19.00	23.00	25.00	44.00	58.00	28.00	100.00	39.00
Th	28.00	39.00	68.00	93.00	36.00	35.00	50.00	64.00	55.00	47.00	91.00	33.00
TiO ₂	0.46	0.47	0.65	0.76	0.52	0.47	0.58	0.62	0.70	0.56	0.83	0.75
U	8.00	10.00	19.00	16.00	10.00	11.00	9.00	18.00	16.00	12.00	24.00	14.00
V	14.00	18.00	28.00	37.00	20.00	19.00	24.00	30.00	33.00	18.00	44.00	31.00
W	4.00	11.00	12.00	17.00	6.00	10.00	11.00	8.00	9.00	6.00	14.00	9.00
Y	45.00	52.00	40.00	57.00	32.00	39.00	49.00	39.00	28.00	36.00	40.00	28.00
Zn	65.00	94.00	108.00	124.00	109.00	84.00	111.00	108.00	93.00	82.00	206.00	78.00
Zr	775.00	861.00	1043.00	1210.00	504.00	654.00	914.00	1055.00	864.00	1444.00	1071.00	954.00

Sample	HK1023	HK1024	HK1025	HK1026	HK1027	HK1028	HK1029	HK1030	HK1031	HK1032	HK1033	HK1034
Ag	0.40	0.40	0.30	0.20	0.00	0.20	0.20	0.30	0.20	0.00	1.00	0.00
As	15.00	10.00	15.00	22.00	13.00	15.00	22.00	76.00	26.00	8.00	124.00	65.00
Ba	106.00	113.00	98.00	102.00	115.00	114.00	147.00	130.00	114.00	66.00	758.00	422.00
Bi	9.00	6.00	10.00	6.00	8.00	9.00	8.00	5.00	8.00	8.00	9.00	9.00
CaO	0.06	0.09	0.13	0.07	0.04	0.07	0.13	0.04	0.10	0.03	0.18	0.18
Cd	0.20	0.30	0.20	0.20	0.20	0.40	0.30	0.30	0.00	0.00	0.50	0.30
Ce	143.00	144.00	133.00	177.00	141.00	159.00	110.00	114.00	123.00	146.00	262.00	134.00
Co	4.00	3.00	4.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	14.00	8.00
Cr	3.00	3.00	3.00	3.00	3.00	3.00	3.00	12.00	3.00	3.00	6.00	3.00
Cs	18.00	15.00	8.00	25.00	9.00	10.00	11.00	16.00	4.00	17.00	60.00	28.00
Cu	10.20	8.10	8.90	9.10	9.40	9.30	4.60	8.90	8.80	8.30	10.90	8.20
Fe ₂ O ₃	2.07	2.27	2.43	2.19	2.41	2.41	2.75	3.00	2.44	2.42	5.25	3.51
Ga	18.00	17.00	20.00	21.00	20.00	21.00	16.00	24.00	17.00	18.00	24.00	19.00
Ge	4.00	2.00	4.00	3.00	3.00	1.00	1.00	2.00	4.00	4.00	2.00	4.00
Hg	0.00	0.00	0.20	0.20	0.20	0.00	0.00	0.20	0.00	0.20	0.20	0.00
La	60.00	59.00	59.00	70.00	58.00	58.00	42.00	42.00	42.00	37.00	101.00	56.00
MnO	0.04	0.10	0.10	0.08	0.06	0.06	0.14	0.01	0.07	0.03	0.42	0.27
Mo	3.00	2.20	2.90	2.10	1.70	2.00	2.50	4.40	3.20	1.10	3.60	2.80
Nb	55.00	48.00	44.00	45.00	48.00	42.00	37.00	33.00	47.00	50.00	17.00	37.00
Ni	5.00	4.00	6.00	6.00	6.00	4.00	5.00	7.00	3.00	3.00	9.00	4.00
P ₂ O ₅	0.05	0.05	0.04	0.04	0.03	0.04	0.14	0.03	0.08	0.03	0.25	0.16
Pb	30.00	30.00	31.00	55.00	37.00	36.00	32.00	28.00	30.00	17.00	49.00	33.00
Rb	150.00	156.00	160.00	195.00	198.00	188.00	145.00	175.00	167.00	172.00	228.00	205.00
Sb	6.00	1.00	1.00	4.00	1.00	1.00	1.00	1.00	2.00	3.00	2.00	5.00
Sc	4.00	1.00	2.00	2.00	6.00	5.00	5.00	3.00	2.00	1.00	9.00	8.00
Se	0.70	0.60	0.70	0.60	0.50	0.80	0.70	1.00	0.50	0.40	1.80	1.40
Sn	16.00	2.00	12.00	9.00	7.00	12.00	51.00	13.00	56.00	15.00	10.00	11.00
Sr	10.00	9.00	9.00	8.00	11.00	10.00	11.00	13.00	11.00	6.00	57.00	32.00
Th	43.00	48.00	44.00	49.00	50.00	50.00	39.00	58.00	42.00	56.00	47.00	34.00
TiO ₂	0.44	0.40	0.33	0.34	0.31	0.32	0.42	0.37	0.37	0.28	0.36	0.36
U	13.00	11.00	6.00	8.00	6.00	6.00	7.00	3.00	5.00	8.00	11.00	10.00
V	15.00	12.00	12.00	12.00	11.00	14.00	10.00	19.00	15.00	10.00	18.00	12.00
W	16.00	13.00	14.00	13.00	11.00	11.00	8.00	15.00	13.00	9.00	10.00	6.00
Y	68.00	59.00	54.00	61.00	56.00	54.00	40.00	45.00	48.00	59.00	54.00	53.00
Zn	51.00	66.00	82.00	104.00	46.00	51.00	121.00	45.00	121.00	43.00	168.00	133.00
Zr	1492.00	1030.00	710.00	745.00	731.00	705.00	606.00	360.00	768.00	627.00	295.00	429.00

Sample	HK1035	HK1036	HK1037	HK1038	HK1039	HK1040	HK1041	HK1042	HK1043	HK1044	HK1045	HK1046
Ag	0.00	0.70	0.00	0.00	0.20	0.40	0.00	0.20	0.00	0.00	0.20	0.00
As	34.00	34.00	32.00	47.00	35.00	33.00	30.00	43.00	10.00	29.00	69.00	64.00
Ba	350.00	424.00	339.00	424.00	373.00	354.00	394.00	359.00	460.00	308.00	423.00	242.00
Bi	6.00	13.00	5.00	6.00	5.00	8.00	13.00	10.00	7.00	6.00	9.00	6.00
CaO	0.11	0.07	0.06	0.11	0.09	0.07	0.09	0.07	0.08	0.12	0.10	0.04
Cd	0.30	0.00	0.20	0.20	0.20	0.50	0.00	0.00	0.00	0.00	0.00	0.00
Ce	137.00	79.00	131.00	141.00	131.00	113.00	87.00	126.00	166.00	157.00	110.00	114.00
Co	3.00	3.00	4.00	6.00	4.00	4.00	3.00	4.00	3.00	3.00	4.00	3.00
Cr	4.00	3.00	24.00	110.00	14.00	26.00	3.00	6.00	3.00	3.00	3.00	3.00
Cs	5.00	22.00	9.00	15.00	17.00	6.00	32.00	12.00	17.00	24.00	30.00	19.00
Cu	9.40	0.20	9.60	9.90	9.30	10.30	0.20	5.60	8.80	9.10	6.10	8.50
Fe ₂ O ₃	2.51	2.89	2.65	2.74	2.69	2.57	2.65	2.54	2.82	3.01	2.90	2.36
Ga	18.00	7.00	18.00	20.00	18.00	21.00	8.00	16.00	20.00	24.00	16.00	16.00
Ge	4.00	1.00	2.00	2.00	5.00	4.00	1.00	5.00	4.00	5.00	5.00	3.00
Hg	0.20	0.00	0.20	0.20	0.20	0.20	0.00	0.00	0.20	0.57	0.20	0.51
La	48.00	33.00	45.00	59.00	48.00	45.00	40.00	53.00	75.00	67.00	50.00	42.00
MnO	0.08	0.09	0.09	0.12	0.10	0.08	0.12	0.13	0.08	0.06	0.07	0.03
Mo	3.00	0.20	3.10	3.40	3.20	2.30	0.30	3.40	2.80	3.40	2.50	3.70
Nb	64.00	17.00	70.00	51.00	55.00	56.00	27.00	56.00	53.00	52.00	34.00	52.00
Ni	6.00	3.00	6.00	7.00	7.00	7.00	2.00	2.00	2.00	4.00	8.00	4.00
P ₂ O ₅	0.07	0.07	0.04	0.08	0.05	0.06	0.05	0.04	0.03	0.04	0.06	0.04
Pb	30.00	24.00	25.00	34.00	28.00	26.00	24.00	27.00	40.00	35.00	31.00	31.00
Rb	155.00	99.00	165.00	200.00	207.00	210.00	97.00	166.00	241.00	227.00	191.00	214.00
Sb	3.00	7.00	6.00	6.00	9.00	5.00	5.00	7.00	8.00	4.00	1.00	3.00
Sc	5.00	4.00	7.00	4.00	9.00	4.00	6.00	7.00	7.00	9.00	4.00	8.00
Se	0.70	0.60	0.60	0.90	0.60	0.40	0.20	0.40	0.00	0.50	0.50	0.50
Sn	11.00	2.00	8.00	3.00	9.00	10.00	5.00	8.00	7.00	9.00	7.00	5.00
Sr	22.00	14.00	22.00	32.00	26.00	25.00	13.00	22.00	36.00	22.00	24.00	17.00
Th	29.00	20.00	37.00	32.00	31.00	35.00	24.00	30.00	37.00	54.00	21.00	38.00
TiO ₂	0.67	0.42	0.73	0.52	0.53	0.47	0.65	0.59	0.46	0.42	0.44	0.50
U	8.00	4.00	7.00	11.00	8.00	4.00	4.00	7.00	4.00	10.00	4.00	11.00
V	19.00	10.00	24.00	20.00	22.00	17.00	10.00	11.00	14.00	16.00	16.00	21.00
W	10.00	6.00	15.00	12.00	8.00	5.00	9.00	10.00	9.00	7.00	11.00	12.00
Y	47.00	28.00	45.00	47.00	46.00	40.00	26.00	46.00	68.00	61.00	39.00	50.00
Zn	58.00	36.00	48.00	67.00	57.00	66.00	30.00	52.00	51.00	90.00	50.00	45.00
Zr	1208.00	211.00	1207.00	1010.00	944.00	792.00	544.00	1353.00	980.00	786.00	486.00	952.00

Sample	HK1047	HK1048	HK1049	HK1050	HK1051	HK1052	HK1053	HK1054	HK1055	HK1056	HK1057	HK1058
Ag	0.20	0.20	0.00	0.00	0.00	0.30	0.30	0.30	0.30	0.00	0.00	0.20
As	35.00	16.00	10.00	14.00	18.00	10.00	13.00	14.00	14.00	7.00	35.00	10.00
Ba	222.00	186.00	279.00	307.00	333.00	458.00	355.00	396.00	365.00	405.00	448.00	324.00
Bi	10.00	12.00	15.00	15.00	16.00	10.00	15.00	24.00	16.00	16.00	33.00	73.00
CaO	0.10	0.10	0.11	0.09	0.12	0.07	0.12	0.14	0.11	0.08	0.14	0.11
Cd	0.30	0.20	0.20	0.20	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.30
Ce	144.00	132.00	93.00	97.00	170.00	87.00	117.00	99.00	139.00	125.00	110.00	108.00
Co	4.00	5.00	4.00	7.00	14.00	7.00	5.00	4.00	4.00	3.00	4.00	6.00
Cr	3.00	3.00	4.00	5.00	39.00	6.00	4.00	3.00	14.00	4.00	4.00	4.00
Cs	15.00	15.00	14.00	17.00	16.00	18.00	13.00	14.00	14.00	13.00	19.00	17.00
Cu	9.30	10.20	10.20	12.80	12.20	12.10	10.60	9.90	11.00	10.50	14.20	21.10
Fe ₂ O ₃	2.21	1.86	1.97	2.53	2.15	2.76	2.58	2.33	2.35	1.94	3.26	3.25
Ga	19.00	14.00	12.00	15.00	14.00	17.00	16.00	16.00	15.00	12.00	18.00	21.00
Ge	1.00	3.00	5.00	3.00	3.00	4.00	3.00	3.00	2.00	2.00	2.00	3.00
Hg	0.20	0.27	0.40	0.44	0.44	0.46	0.42	0.20	0.44	0.44	0.36	0.00
La	64.00	49.00	29.00	28.00	52.00	36.00	41.00	42.00	52.00	38.00	47.00	36.00
MnO	0.13	0.16	0.15	0.18	0.23	0.07	0.09	0.09	0.10	0.10	0.12	0.13
Mo	2.50	4.00	2.70	3.30	3.50	10.40	3.90	4.30	4.50	4.40	8.90	13.60
Nb	50.00	29.00	31.00	18.00	18.00	27.00	39.00	27.00	59.00	52.00	28.00	32.00
Ni	4.00	9.00	5.00	13.00	8.00	13.00	7.00	5.00	6.00	5.00	8.00	7.00
P ₂ O ₅	0.05	0.06	0.05	0.07	0.08	0.05	0.05	0.05	0.05	0.04	0.08	0.09
Pb	37.00	40.00	30.00	26.00	36.00	26.00	34.00	28.00	33.00	40.00	38.00	41.00
Rb	190.00	131.00	132.00	150.00	149.00	184.00	210.00	231.00	190.00	184.00	289.00	372.00
Sb	6.00	6.00	2.00	2.00	1.00	1.00	1.00	4.00	4.00	3.00	1.00	3.00
Sc	5.00	4.00	5.00	10.00	9.00	6.00	7.00	3.00	5.00	6.00	7.00	7.00
Se	0.70	0.90	0.40	0.80	0.60	0.40	0.40	0.40	0.50	0.40	0.40	0.80
Sn	9.00	13.00	7.00	15.00	11.00	12.00	32.00	14.00	57.00	42.00	25.00	23.00
Sr	16.00	17.00	22.00	24.00	26.00	30.00	35.00	42.00	33.00	44.00	37.00	29.00
Th	39.00	32.00	27.00	27.00	25.00	28.00	38.00	34.00	35.00	34.00	35.00	49.00
TiO ₂	0.37	0.44	0.46	0.43	0.41	0.51	0.54	0.39	0.70	0.65	0.58	0.43
U	6.00	8.00	2.00	6.00	6.00	7.00	7.00	5.00	9.00	5.00	8.00	7.00
V	17.00	18.00	19.00	23.00	21.00	24.00	22.00	12.00	21.00	18.00	26.00	19.00
W	9.00	12.00	9.00	14.00	11.00	14.00	12.00	19.00	20.00	26.00	34.00	80.00
Y	66.00	44.00	35.00	29.00	32.00	34.00	31.00	24.00	41.00	35.00	27.00	30.00
Zn	59.00	71.00	35.00	52.00	36.00	43.00	43.00	53.00	48.00	32.00	92.00	71.00
Zr	644.00	622.00	716.00	399.00	470.00	484.00	855.00	502.00	1839.00	1956.00	741.00	499.00

Sample	HK1059	HK1060	HK1061	HK1062	HK1063	HK1064	HK1065	HK1066	HK1067	HK1068	HK1069	HK1070
Ag	0.20	0.50	0.30	0.20	0.20	0.20	0.20	0.00	0.00	0.00	0.00	0.30
As	6.00	3.00	10.00	3.00	5.00	4.00	4.00	34.00	10.00	17.00	17.00	97.00
Ba	66.00	105.00	71.00	80.00	79.00	291.00	151.00	130.00	101.00	182.00	208.00	352.00
Bi	28.00	42.00	43.00	21.00	28.00	27.00	15.00	11.00	8.00	6.00	6.00	8.00
CaO	0.09	0.12	0.08	0.07	0.08	0.12	0.05	0.11	0.04	0.22	0.12	0.37
Cd	0.00	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.70
Ce	47.00	83.00	56.00	62.00	64.00	80.00	64.00	92.00	134.00	112.00	141.00	164.00
Co	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	8.00
Cr	3.00	5.00	22.00	3.00	15.00	4.00	3.00	3.00	3.00	3.00	3.00	8.00
Cs	2.00	20.00	5.00	8.00	8.00	9.00	15.00	22.00	15.00	7.00	15.00	22.00
Cu	9.40	10.50	9.90	10.00	8.50	10.90	7.70	0.30	7.90	5.20	8.60	9.00
Fe ₂ O ₃	1.55	2.61	1.96	1.96	2.12	1.78	0.58	1.51	0.56	1.33	1.17	2.82
Ga	15.00	22.00	21.00	17.00	19.00	10.00	9.00	11.00	8.00	13.00	13.00	17.00
Ge	4.00	4.00	3.00	5.00	4.00	4.00	4.00	1.00	4.00	2.00	2.00	3.00
Hg	0.20	0.00	0.20	0.23	0.20	0.00	0.20	0.00	0.20	0.20	0.34	0.35
La	12.00	23.00	17.00	16.00	16.00	31.00	11.00	50.00	57.00	40.00	50.00	72.00
MnO	0.04	0.08	0.05	0.04	0.04	0.11	0.01	0.03	0.01	0.08	0.01	0.43
Mo	13.10	18.00	17.40	9.90	14.10	4.90	2.70	1.30	3.70	3.20	2.50	3.50
Nb	39.00	56.00	51.00	36.00	44.00	35.00	39.00	24.00	88.00	44.00	58.00	50.00
Ni	5.00	8.00	10.00	4.00	5.00	4.00	2.00	3.00	2.00	3.00	4.00	7.00
P ₂ O ₅	0.02	0.04	0.02	0.02	0.03	0.06	0.02	0.02	0.02	0.04	0.03	0.05
Pb	31.00	50.00	40.00	26.00	32.00	24.00	23.00	24.00	15.00	33.00	24.00	78.00
Rb	262.00	261.00	263.00	289.00	271.00	165.00	227.00	117.00	84.00	151.00	142.00	168.00
Sb	2.00	3.00	3.00	2.00	1.00	2.00	3.00	6.00	7.00	5.00	5.00	5.00
Sc	8.00	11.00	8.00	1.00	6.00	3.00	7.00	6.00	2.00	3.00	3.00	6.00
Se	0.40	0.80	0.40	0.30	0.40	0.20	0.00	0.30	0.00	0.40	0.30	0.40
Sn	33.00	34.00	34.00	21.00	26.00	33.00	30.00	2.00	8.00	8.00	8.00	33.00
Sr	7.00	11.00	6.00	16.00	11.00	27.00	19.00	6.00	8.00	12.00	10.00	17.00
Th	39.00	58.00	56.00	42.00	42.00	23.00	27.00	33.00	32.00	31.00	36.00	36.00
TiO ₂	0.17	0.21	0.16	0.15	0.15	0.51	0.45	0.24	0.47	0.28	0.44	0.49
U	12.00	9.00	9.00	9.00	11.00	8.00	15.00	7.00	15.00	7.00	11.00	10.00
V	9.00	11.00	10.00	10.00	6.00	17.00	12.00	5.00	10.00	6.00	13.00	20.00
W	48.00	41.00	66.00	26.00	35.00	67.00	42.00	6.00	15.00	8.00	11.00	18.00
Y	39.00	69.00	68.00	60.00	56.00	28.00	39.00	45.00	89.00	61.00	61.00	58.00
Zn	45.00	81.00	51.00	32.00	40.00	33.00	18.00	12.00	17.00	41.00	31.00	111.00
Zr	304.00	326.00	290.00	569.00	337.00	1373.00	1791.00	359.00	3222.00	743.00	1128.00	1028.00

Sample	HK1071	HK1072	HK1073	HK1074	HK1075	HK1076	HK1077	HK1078	HK1079	HK1080	HK1081	HK1082
Ag	0.00	0.00	4.30	5.30	1.50	0.60	1.00	0.00	0.70	0.00	0.50	0.40
As	59.00	6.00	170.00	159.00	179.00	154.00	48.00	25.00	48.00	25.00	4.00	6.00
Ba	395.00	156.00	337.00	395.00	312.00	357.00	334.00	173.00	244.00	118.00	182.00	276.00
Bi	9.00	11.00	10.00	9.00	9.00	7.00	11.00	9.00	6.00	9.00	10.00	11.00
CaO	0.18	0.11	0.33	0.37	0.13	0.19	0.35	0.11	0.23	0.11	0.24	0.24
Cd	0.00	0.00	0.20	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.90
Ce	109.00	127.00	170.00	114.00	103.00	127.00	71.00	102.00	118.00	127.00	88.00	164.00
Co	5.00	5.00	15.00	32.00	11.00	5.00	6.00	3.00	5.00	3.00	4.00	10.00
Cr	3.00	3.00	4.00	8.00	9.00	7.00	4.00	3.00	3.00	3.00	4.00	3.00
Cs	23.00	13.00	32.00	25.00	21.00	16.00	10.00	30.00	26.00	19.00	4.00	1.00
Cu	8.20	9.70	9.90	11.30	9.90	12.30	1.50	8.90	8.00	7.60	13.10	10.00
Fe ₂ O ₃	2.59	2.21	4.41	4.41	3.68	3.50	3.86	1.14	2.34	1.37	1.89	3.69
Ga	19.00	19.00	18.00	17.00	18.00	19.00	11.00	11.00	17.00	14.00	18.00	21.00
Ge	3.00	4.00	5.00	4.00	3.00	3.00	1.00	2.00	5.00	4.00	4.00	4.00
Hg	0.30	0.44	0.20	0.20	0.34	0.45	0.00	0.00	0.00	0.20	0.00	0.20
La	46.00	21.00	74.00	44.00	37.00	49.00	51.00	39.00	47.00	44.00	15.00	28.00
MnO	0.08	0.13	0.17	0.45	0.12	0.04	0.12	0.01	0.08	0.05	0.14	0.32
Mo	3.00	3.00	5.60	9.80	6.10	5.50	1.30	3.00	4.80	2.80	4.60	6.60
Nb	45.00	43.00	21.00	18.00	20.00	25.00	12.00	56.00	28.00	65.00	25.00	38.00
Ni	4.00	6.00	10.00	10.00	4.00	6.00	8.00	2.00	5.00	4.00	8.00	6.00
P ₂ O ₅	0.03	0.04	0.19	0.23	0.09	0.09	0.10	0.03	0.06	0.03	0.18	0.07
Pb	37.00	117.00	82.00	84.00	59.00	50.00	32.00	25.00	43.00	54.00	76.00	107.00
Rb	176.00	263.00	161.00	161.00	172.00	201.00	102.00	128.00	197.00	181.00	306.00	223.00
Sb	2.00	3.00	14.00	13.00	15.00	21.00	4.00	6.00	5.00	7.00	3.00	1.00
Sc	9.00	7.00	11.00	10.00	10.00	7.00	9.00	7.00	6.00	3.00	3.00	5.00
Se	0.30	0.30	0.90	0.60	0.40	0.30	0.30	0.00	0.40	0.00	0.20	0.40
Sn	7.00	15.00	11.00	10.00	5.00	17.00	6.00	21.00	5.00	10.00	52.00	14.00
Sr	17.00	22.00	22.00	24.00	17.00	22.00	17.00	11.00	13.00	10.00	23.00	32.00
Th	28.00	66.00	30.00	22.00	24.00	34.00	18.00	26.00	31.00	42.00	42.00	59.00
TiO ₂	0.53	0.41	0.58	0.68	0.64	0.71	0.66	0.43	0.42	0.30	0.32	0.50
U	7.00	22.00	11.00	8.00	7.00	7.00	8.00	8.00	7.00	12.00	11.00	13.00
V	22.00	20.00	35.00	39.00	36.00	39.00	26.00	14.00	18.00	9.00	15.00	23.00
W	9.00	6.00	13.00	21.00	17.00	18.00	9.00	16.00	12.00	13.00	7.00	17.00
Y	38.00	46.00	51.00	43.00	34.00	43.00	50.00	53.00	46.00	66.00	30.00	33.00
Zn	38.00	78.00	111.00	123.00	59.00	53.00	50.00	22.00	45.00	44.00	206.00	110.00
Zr	982.00	946.00	412.00	634.00	1039.00	1615.00	423.00	1851.00	615.00	1088.00	512.00	711.00

Sample	HK1083	HK1084	HK1085	HK1086	HK1087	HK1088	HK1089	HK1090	HK1091	HK1092	HK1093	HK1094
Ag	0.40	0.20	0.00	0.00	0.30	0.30	0.00	0.40	0.00	0.50	0.00	0.20
As	5.00	8.00	24.00	19.00	8.00	10.00	1.00	6.00	9.00	5.00	1.00	8.00
Ba	350.00	276.00	308.00	311.00	277.00	294.00	335.00	244.00	399.00	378.00	510.00	375.00
Bi	12.00	5.00	8.00	7.00	8.00	7.00	7.00	5.00	8.00	7.00	8.00	7.00
CaO	0.29	0.31	0.18	0.18	0.19	0.20	0.25	0.16	0.23	0.23	0.14	0.19
Cd	0.50	0.80	0.70	0.00	0.60	0.50	0.00	0.50	0.00	0.00	0.00	0.60
Ce	158.00	143.00	102.00	85.00	190.00	160.00	134.00	215.00	187.00	128.00	160.00	189.00
Co	6.00	7.00	4.00	3.00	7.00	3.00	4.00	4.00	3.00	3.00	3.00	3.00
Cr	3.00	4.00	3.00	3.00	61.00	5.00	5.00	3.00	4.00	3.00	3.00	4.00
Cs	13.00	8.00	9.00	15.00	11.00	8.00	3.00	11.00	9.00	22.00	3.00	15.00
Cu	11.70	9.70	10.10	9.80	11.60	11.80	9.10	11.40	9.70	8.30	10.20	10.20
Fe ₂ O ₃	2.52	2.77	2.29	2.47	4.08	2.13	2.75	2.01	2.24	2.00	2.13	1.63
Ga	20.00	19.00	20.00	20.00	25.00	15.00	20.00	15.00	15.00	13.00	13.00	11.00
Ge	3.00	3.00	4.00	4.00	2.00	2.00	3.00	3.00	4.00	1.00	4.00	3.00
Hg	0.20	0.00	0.20	0.00	0.20	0.00	0.20	0.00	0.20	0.00	0.20	0.00
La	48.00	45.00	37.00	36.00	26.00	63.00	55.00	61.00	71.00	44.00	69.00	66.00
MnO	0.05	0.18	0.12	0.10	0.13	0.06	0.05	0.07	0.03	0.02	0.03	0.09
Mo	6.70	2.70	3.30	2.80	5.20	2.90	3.10	3.20	3.30	4.20	2.70	3.30
Nb	36.00	31.00	41.00	39.00	40.00	42.00	37.00	45.00	44.00	58.00	61.00	48.00
Ni	7.00	7.00	5.00	6.00	8.00	6.00	6.00	7.00	10.00	2.00	2.00	5.00
P ₂ O ₅	0.05	0.11	0.05	0.05	0.06	0.05	0.05	0.07	0.06	0.04	0.03	0.06
Pb	81.00	87.00	33.00	31.00	86.00	38.00	33.00	31.00	26.00	26.00	34.00	26.00
Rb	248.00	224.00	217.00	233.00	218.00	149.00	223.00	104.00	155.00	161.00	183.00	157.00
Sb	1.00	3.00	5.00	5.00	4.00	1.00	1.00	1.00	3.00	1.00	1.00	1.00
Sc	9.00	5.00	4.00	5.00	9.00	6.00	8.00	6.00	8.00	6.00	2.00	3.00
Se	0.30	0.30	0.40	0.40	0.40	0.20	0.00	0.20	0.20	0.00	0.00	0.20
Sn	8.00	13.00	9.00	7.00	34.00	10.00	12.00	8.00	10.00	9.00	8.00	8.00
Sr	52.00	40.00	26.00	25.00	31.00	34.00	46.00	23.00	38.00	36.00	48.00	37.00
Th	55.00	50.00	35.00	37.00	62.00	31.00	46.00	36.00	30.00	26.00	33.00	25.00
TiO ₂	0.69	0.42	0.36	0.32	0.65	0.51	0.40	0.58	0.65	0.72	0.63	0.56
U	19.00	15.00	8.00	7.00	15.00	5.00	9.00	6.00	8.00	10.00	5.00	9.00
V	26.00	25.00	15.00	15.00	33.00	16.00	18.00	18.00	21.00	22.00	17.00	18.00
W	11.00	8.00	11.00	9.00	5.00	6.00	7.00	9.00	5.00	7.00	7.00	7.00
Y	29.00	28.00	42.00	40.00	28.00	36.00	40.00	36.00	36.00	34.00	45.00	30.00
Zn	79.00	127.00	61.00	54.00	113.00	56.00	53.00	54.00	50.00	42.00	42.00	48.00
Zr	1320.00	566.00	741.00	643.00	789.00	845.00	569.00	1286.00	1118.00	2041.00	1140.00	1303.00

Sample	HK1095	HK1096	HK1097	HK1098	HK1099	HK1100	HK1101	HK1102	HK1103	HK1104	HK1105	HK1106
Ag	0.00	0.00	0.00	0.20	0.00	0.60	0.00	0.30	0.50	0.20	0.50	0.00
As	3.00	5.00	8.00	7.00	5.00	3.00	1.00	9.00	7.00	7.00	2.00	1.00
Ba	259.00	96.00	218.00	186.00	157.00	169.00	213.00	320.00	370.00	325.00	147.00	281.00
Bi	6.00	6.00	7.00	7.00	7.00	7.00	8.00	6.00	13.00	8.00	24.00	10.00
CaO	0.19	0.13	0.09	0.10	0.14	0.24	0.19	0.35	0.37	0.25	0.15	0.19
Cd	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.50	0.60	0.60	0.50
Ce	104.00	131.00	167.00	109.00	51.00	97.00	67.00	93.00	100.00	97.00	134.00	231.00
Co	4.00	3.00	3.00	3.00	3.00	3.00	3.00	6.00	5.00	5.00	4.00	5.00
Cr	4.00	3.00	4.00	3.00	3.00	3.00	4.00	3.00	5.00	4.00	6.00	46.00
Cs	15.00	12.00	9.00	14.00	1.00	3.00	6.00	1.00	16.00	1.00	18.00	17.00
Cu	10.40	8.20	9.40	10.10	8.40	10.30	9.40	10.20	11.90	12.50	11.50	11.20
Fe ₂ O ₃	2.16	2.11	2.42	2.31	0.97	2.80	1.29	2.24	2.66	1.93	2.09	4.05
Ga	18.00	16.00	17.00	14.00	10.00	18.00	12.00	15.00	17.00	15.00	19.00	28.00
Ge	2.00	3.00	4.00	2.00	2.00	3.00	5.00	4.00	3.00	3.00	3.00	3.00
Hg	0.20	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.20	0.20	0.00	0.00
La	67.00	13.00	29.00	24.00	12.00	36.00	22.00	28.00	31.00	39.00	22.00	43.00
MnO	0.05	0.02	0.03	0.05	0.02	0.06	0.04	0.05	0.10	0.08	0.05	0.09
Mo	3.20	3.40	3.20	3.40	2.80	3.10	4.00	4.20	5.80	4.10	8.50	71.00
Nb	37.00	73.00	53.00	51.00	56.00	56.00	48.00	40.00	36.00	44.00	41.00	76.00
Ni	4.00	2.00	5.00	3.00	4.00	5.00	7.00	9.00	12.00	7.00	12.00	8.00
P ₂ O ₅	0.04	0.02	0.03	0.03	0.02	0.05	0.03	0.06	0.08	0.09	0.04	0.07
Pb	39.00	22.00	46.00	30.00	30.00	31.00	30.00	36.00	43.00	42.00	62.00	42.00
Rb	209.00	84.00	161.00	126.00	126.00	188.00	162.00	164.00	255.00	192.00	220.00	257.00
Sb	1.00	1.00	1.00	6.00	1.00	1.00	1.00	5.00	10.00	2.00	4.00	1.00
Sc	2.00	6.00	9.00	8.00	4.00	5.00	5.00	7.00	7.00	7.00	7.00	10.00
Se	0.50	0.00	0.00	0.00	0.00	0.00	0.20	0.20	0.30	0.30	0.40	0.60
Sn	11.00	13.00	13.00	13.00	9.00	9.00	17.00	7.00	17.00	18.00	26.00	18.00
Sr	31.00	10.00	19.00	16.00	19.00	21.00	24.00	43.00	48.00	41.00	16.00	40.00
Th	34.00	53.00	41.00	37.00	27.00	45.00	29.00	27.00	32.00	26.00	49.00	109.00
TiO ₂	0.36	0.58	0.61	0.59	0.52	0.40	0.51	0.57	0.54	0.63	0.37	0.60
U	9.00	8.00	7.00	6.00	8.00	11.00	8.00	6.00	12.00	12.00	13.00	23.00
V	13.00	13.00	21.00	16.00	14.00	16.00	18.00	19.00	30.00	20.00	21.00	24.00
W	7.00	7.00	9.00	10.00	12.00	10.00	4.00	10.00	11.00	6.00	44.00	8.00
Y	39.00	42.00	36.00	37.00	40.00	57.00	42.00	30.00	37.00	33.00	57.00	103.00
Zn	46.00	28.00	35.00	41.00	24.00	46.00	30.00	68.00	77.00	68.00	57.00	49.00
Zr	516.00	1156.00	854.00	929.00	1377.00	817.00	1274.00	919.00	746.00	1152.00	603.00	1520.00

Sample	HK1107	HK1108	HK1109	HK1110	HK1111	HK1112	HK1113	HK1114	HK1115	HK1116	HK1117	HK1118
Ag	0.50	0.00	0.60	0.00	0.00	0.20	0.00	0.50	0.00	0.20	0.00	0.20
As	1.00	3.00	2.00	1.00	1.00	3.00	2.00	1.00	1.00	4.00	3.00	11.00
Ba	209.00	152.00	421.00	363.00	149.00	229.00	123.00	360.00	303.00	112.00	118.00	276.00
Bi	7.00	7.00	8.00	10.00	5.00	7.00	9.00	7.00	8.00	9.00	10.00	10.00
CaO	0.11	0.16	0.47	0.22	0.14	0.13	0.10	0.45	0.33	0.19	0.15	0.12
Cd	0.50	0.60	0.50	0.50	0.00	0.00	0.20	0.00	0.50	0.00	0.60	0.50
Ce	108.00	141.00	162.00	321.00	101.00	159.00	100.00	336.00	123.00	36.00	37.00	140.00
Co	3.00	7.00	10.00	8.00	4.00	7.00	3.00	12.00	5.00	3.00	3.00	6.00
Cr	6.00	8.00	10.00	3.00	4.00	5.00	4.00	25.00	3.00	3.00	3.00	19.00
Cs	15.00	14.00	8.00	11.00	11.00	7.00	1.00	1.00	8.00	10.00	2.00	11.00
Cu	8.70	12.80	13.40	10.00	11.30	9.60	11.50	12.40	9.60	10.70	4.50	11.70
Fe ₂ O ₃	1.74	3.52	4.10	3.00	1.38	3.14	1.78	3.68	3.07	0.96	1.46	3.11
Ga	17.00	29.00	26.00	26.00	15.00	20.00	18.00	24.00	23.00	21.00	17.00	23.00
Ge	4.00	4.00	5.00	6.00	4.00	3.00	5.00	5.00	5.00	3.00	5.00	1.00
Hg	0.20	0.20	0.39	0.20	0.20	0.20	0.00	0.38	0.00	0.55	0.00	0.57
La	27.00	34.00	76.00	142.00	26.00	29.00	18.00	146.00	51.00	21.00	7.00	52.00
MnO	0.10	0.19	0.20	0.10	0.13	0.09	0.07	0.18	0.16	0.02	0.10	0.10
Mo	4.00	3.60	4.00	3.10	3.50	3.40	2.40	7.90	3.60	1.40	2.00	3.50
Nb	61.00	50.00	61.00	106.00	28.00	40.00	38.00	103.00	58.00	38.00	48.00	47.00
Ni	9.00	9.00	19.00	10.00	6.00	9.00	8.00	14.00	5.00	5.00	6.00	10.00
P ₂ O ₅	0.03	0.08	0.07	0.05	0.03	0.04	0.09	0.05	0.07	0.03	0.03	0.05
Pb	35.00	50.00	34.00	39.00	69.00	64.00	40.00	57.00	51.00	34.00	49.00	41.00
Rb	289.00	295.00	342.00	416.00	231.00	198.00	175.00	406.00	320.00	391.00	320.00	234.00
Sb	7.00	4.00	1.00	9.00	1.00	1.00	11.00	2.00	3.00	1.00	5.00	1.00
Sc	4.00	7.00	11.00	7.00	4.00	7.00	4.00	6.00	7.00	1.00	4.00	5.00
Se	0.20	0.40	0.20	0.20	0.20	0.40	0.50	0.30	0.50	0.30	0.20	0.30
Sn	14.00	16.00	7.00	12.00	9.00	14.00	9.00	17.00	23.00	12.00	14.00	14.00
Sr	33.00	21.00	81.00	62.00	17.00	22.00	15.00	81.00	85.00	28.00	20.00	34.00
Th	85.00	90.00	103.00	248.00	59.00	67.00	53.00	191.00	70.00	46.00	68.00	45.00
TiO ₂	0.43	0.34	0.61	0.58	0.28	0.49	0.36	0.70	0.44	0.20	0.21	0.46
U	18.00	14.00	23.00	41.00	14.00	16.00	19.00	40.00	18.00	9.00	17.00	12.00
V	14.00	15.00	33.00	24.00	12.00	22.00	13.00	35.00	17.00	10.00	10.00	17.00
W	10.00	10.00	10.00	26.00	9.00	8.00	11.00	10.00	13.00	4.00	11.00	7.00
Y	73.00	71.00	94.00	178.00	76.00	67.00	59.00	195.00	62.00	52.00	71.00	49.00
Zn	33.00	59.00	56.00	41.00	45.00	48.00	40.00	43.00	59.00	28.00	53.00	49.00
Zr	1192.00	527.00	1092.00	2513.00	1130.00	1056.00	1190.00	2553.00	452.00	435.00	606.00	895.00

Sample	HK1119	HK1120	HK1121	HK1122	HK1123	HK1124	HK1125	HK1126	HK1127	HK1128	HK1129	HK1130
Ag	0.00	0.00	0.20	0.00	0.20	0.20	0.00	0.00	0.00	0.00	0.30	1.00
As	6.00	5.00	8.00	25.00	63.00	43.00	45.00	46.00	16.00	8.00	67.00	162.00
Ba	381.00	320.00	347.00	89.00	183.00	148.00	156.00	145.00	136.00	300.00	1158.00	587.00
Bi	7.00	8.00	8.00	9.00	7.00	8.00	9.00	7.00	7.00	4.00	6.00	5.00
CaO	0.27	0.27	0.33	0.11	0.23	0.09	0.25	0.16	0.06	0.10	0.27	0.15
Cd	0.00	0.00	0.50	0.20	0.50	0.20	0.20	0.50	0.00	0.00	1.00	1.10
Ce	167.00	135.00	134.00	109.00	170.00	126.00	137.00	150.00	113.00	163.00	134.00	132.00
Co	9.00	4.00	6.00	3.00	3.00	3.00	3.00	3.00	3.00	6.00	8.00	10.00
Cr	4.00	10.00	4.00	3.00	12.00	3.00	4.00	3.00	3.00	4.00	60.00	5.00
Cs	3.00	4.00	1.00	14.00	23.00	22.00	12.00	27.00	14.00	5.00	1.00	13.00
Cu	12.40	11.30	10.10	8.00	10.20	4.30	7.90	9.10	7.00	12.30	12.70	12.40
Fe ₂ O ₃	3.79	3.21	2.82	2.23	2.54	2.05	2.16	2.14	2.14	4.37	5.15	3.90
Ga	20.00	16.00	16.00	16.00	22.00	14.00	15.00	17.00	21.00	20.00	22.00	21.00
Ge	4.00	3.00	5.00	3.00	2.00	4.00	3.00	2.00	2.00	3.00	4.00	4.00
Hg	0.71	0.43	0.47	0.39	0.41	0.00	0.20	0.31	0.28	0.50	0.95	0.68
La	63.00	41.00	32.00	28.00	61.00	50.00	52.00	56.00	42.00	52.00	55.00	51.00
MnO	0.13	0.04	0.14	0.02	0.10	0.06	0.07	0.04	0.03	0.32	0.15	0.19
Mo	3.70	4.10	2.60	3.30	5.00	4.30	4.30	4.30	2.30	5.40	4.60	4.60
Nb	33.00	35.00	30.00	34.00	38.00	42.00	31.00	44.00	55.00	82.00	43.00	33.00
Ni	3.00	5.00	6.00	2.00	6.00	2.00	4.00	3.00	3.00	9.00	6.00	9.00
P ₂ O ₅	0.08	0.12	0.06	0.04	0.05	0.03	0.04	0.04	0.03	0.07	0.12	0.09
Pb	48.00	36.00	39.00	26.00	44.00	23.00	33.00	28.00	25.00	39.00	46.00	118.00
Rb	191.00	140.00	112.00	133.00	203.00	152.00	158.00	180.00	80.00	201.00	290.00	244.00
Sb	1.00	5.00	1.00	2.00	6.00	8.00	3.00	7.00	1.00	7.00	4.00	3.00
Sc	9.00	11.00	5.00	4.00	10.00	6.00	6.00	6.00	8.00	10.00	13.00	10.00
Se	0.30	0.20	0.30	0.50	0.60	0.30	0.50	0.40	0.00	0.30	0.20	0.40
Sn	17.00	13.00	12.00	11.00	22.00	13.00	8.00	16.00	7.00	14.00	3.00	6.00
Sr	48.00	43.00	46.00	8.00	15.00	9.00	13.00	12.00	9.00	32.00	70.00	53.00
Th	43.00	30.00	21.00	39.00	53.00	36.00	41.00	40.00	48.00	63.00	52.00	40.00
TiO ₂	0.62	0.69	0.61	0.33	0.30	0.37	0.28	0.34	0.27	1.02	0.97	0.65
U	12.00	11.00	9.00	6.00	7.00	9.00	6.00	6.00	5.00	15.00	11.00	7.00
V	28.00	26.00	27.00	10.00	10.00	12.00	12.00	14.00	8.00	37.00	36.00	36.00
W	5.00	5.00	6.00	7.00	3.00	10.00	7.00	10.00	7.00	11.00	11.00	7.00
Y	29.00	32.00	24.00	36.00	58.00	52.00	47.00	57.00	81.00	49.00	41.00	43.00
Zn	92.00	60.00	64.00	27.00	56.00	27.00	42.00	37.00	25.00	59.00	111.00	130.00
Zr	1239.00	1562.00	1299.00	687.00	605.00	893.00	302.00	807.00	560.00	2376.00	1104.00	822.00

Sample	HK1131	HK1132	HK1133	HK1134	HK1135	HK1136	HK1137	HK1138	HK1139	HK1140	HK1141	HK1142
Ag	0.80	1.50	1.20	3.50	0.60	0.60	0.50	0.20	0.20	0.50	0.00	0.30
As	166.00	210.00	330.00	209.00	243.00	157.00	131.00	94.00	23.00	30.00	42.00	182.00
Ba	425.00	248.00	267.00	288.00	357.00	308.00	331.00	394.00	391.00	133.00	276.00	241.00
Bi	6.00	8.00	9.00	9.00	7.00	7.00	10.00	7.00	8.00	6.00	9.00	7.00
CaO	0.57	0.13	0.09	0.19	0.23	0.43	0.32	0.22	0.07	0.06	0.07	0.10
Cd	1.00	0.60	0.20	0.60	0.20	0.60	0.60	0.80	0.30	0.00	0.00	0.30
Ce	119.00	116.00	119.00	108.00	121.00	125.00	141.00	104.00	57.00	55.00	55.00	161.00
Co	12.00	4.00	4.00	12.00	7.00	7.00	7.00	13.00	4.00	3.00	3.00	3.00
Cr	4.00	19.00	99.00	7.00	87.00	4.00	8.00	19.00	10.00	4.00	7.00	7.00
Cs	17.00	15.00	22.00	29.00	31.00	30.00	25.00	26.00	5.00	12.00	13.00	22.00
Cu	10.40	10.10	11.70	9.60	11.10	4.90	10.60	10.40	12.90	9.90	9.50	10.80
Fe ₂ O ₃	3.54	2.57	2.66	2.77	3.48	2.93	2.91	3.81	3.73	1.35	2.59	2.90
Ga	19.00	16.00	18.00	17.00	20.00	15.00	16.00	17.00	11.00	9.00	11.00	19.00
Ge	3.00	2.00	3.00	4.00	3.00	4.00	1.00	5.00	4.00	2.00	4.00	3.00
Hg	0.43	0.21	0.58	0.20	0.53	0.00	0.20	0.56	0.66	0.30	0.39	0.47
La	45.00	42.00	41.00	45.00	53.00	50.00	54.00	47.00	17.00	16.00	23.00	60.00
MnO	0.18	0.04	0.04	0.12	0.11	0.08	0.10	0.18	0.04	0.01	0.01	0.03
Mo	4.30	4.80	5.20	4.40	6.50	4.80	5.90	4.20	2.00	2.40	3.50	4.40
Nb	26.00	27.00	21.00	20.00	24.00	17.00	23.00	24.00	12.00	23.00	17.00	53.00
Ni	6.00	6.00	4.00	6.00	2.00	7.00	9.00	9.00	8.00	3.00	7.00	7.00
P ₂ O ₅	0.15	0.10	0.07	0.10	0.09	0.12	0.13	0.11	0.06	0.04	0.05	0.06
Pb	42.00	49.00	62.00	77.00	59.00	53.00	56.00	38.00	29.00	25.00	27.00	47.00
Rb	236.00	172.00	211.00	225.00	259.00	185.00	191.00	209.00	88.00	65.00	71.00	218.00
Sb	6.00	11.00	20.00	12.00	13.00	8.00	11.00	9.00	3.00	1.00	2.00	8.00
Sc	9.00	8.00	10.00	14.00	11.00	9.00	7.00	14.00	8.00	5.00	6.00	5.00
Se	0.50	0.70	0.40	0.60	0.60	0.90	0.70	0.40	0.50	0.30	0.40	0.50
Sn	6.00	13.00	9.00	12.00	8.00	9.00	11.00	7.00	11.00	7.00	4.00	10.00
Sr	17.00	15.00	11.00	12.00	14.00	15.00	19.00	19.00	19.00	8.00	21.00	16.00
Th	27.00	22.00	25.00	24.00	27.00	27.00	35.00	25.00	7.00	19.00	16.00	53.00
TiO ₂	0.68	0.61	0.55	0.58	0.65	0.53	0.60	0.72	0.62	0.39	0.55	0.54
U	8.00	10.00	6.00	10.00	5.00	8.00	11.00	6.00	1.00	5.00	6.00	8.00
V	35.00	28.00	29.00	31.00	35.00	23.00	32.00	43.00	35.00	18.00	24.00	23.00
W	12.00	11.00	13.00	13.00	18.00	13.00	13.00	9.00	10.00	6.00	2.00	13.00
Y	48.00	42.00	34.00	53.00	36.00	45.00	50.00	32.00	25.00	30.00	27.00	64.00
Zn	105.00	42.00	47.00	54.00	50.00	50.00	56.00	93.00	22.00	15.00	16.00	31.00
Zr	596.00	574.00	670.00	900.00	462.00	534.00	804.00	851.00	590.00	1143.00	549.00	984.00

Sample	HK1143	HK1144	HK1145	HK1146	HK1147	HK1148	HK1149	HK1150	HK1151	HK1152	HK1153	HK1154
Ag	0.00	0.30	0.50	0.40	0.50	0.40	0.40	0.00	0.00	0.00	0.00	0.00
As	123.00	26.00	39.00	29.00	19.00	34.00	116.00	18.00	3.00	1.00	5.00	7.00
Ba	260.00	239.00	500.00	152.00	103.00	169.00	101.00	463.00	714.00	431.00	243.00	290.00
Bi	7.00	9.00	7.00	7.00	8.00	9.00	8.00	22.00	12.00	17.00	7.00	8.00
CaO	0.13	0.10	0.72	0.26	0.32	0.44	0.12	0.24	0.34	0.68	0.23	0.28
Cd	0.50	0.50	0.50	0.40	0.00	0.40	0.00	0.00	0.00	0.30	0.00	0.00
Ce	80.00	80.00	105.00	166.00	83.00	212.00	136.00	126.00	104.00	142.00	122.00	145.00
Co	3.00	3.00	5.00	3.00	3.00	3.00	3.00	8.00	12.00	8.00	3.00	3.00
Cr	4.00	4.00	80.00	3.00	3.00	6.00	29.00	5.00	8.00	41.00	3.00	4.00
Cs	23.00	12.00	1.00	46.00	23.00	35.00	25.00	9.00	6.00	9.00	2.00	11.00
Cu	9.60	13.00	21.20	7.20	7.10	6.00	10.60	14.50	13.30	16.80	12.60	12.60
Fe ₂ O ₃	2.71	2.80	4.53	2.16	1.56	2.39	2.05	3.40	5.01	3.30	1.81	2.25
Ga	16.00	12.00	22.00	18.00	13.00	16.00	21.00	17.00	20.00	21.00	12.00	15.00
Ge	4.00	3.00	3.00	2.00	5.00	3.00	5.00	3.00	7.00	4.00	1.00	6.00
Hg	0.38	0.33	0.63	0.20	0.20	0.00	0.20	0.00	0.36	0.20	0.00	0.00
La	36.00	25.00	50.00	53.00	19.00	83.00	50.00	36.00	55.00	64.00	56.00	60.00
MnO	0.02	0.08	0.17	0.02	0.03	0.03	0.02	0.13	0.10	0.07	0.06	0.04
Mo	3.80	3.50	7.10	3.60	3.30	3.40	4.10	25.20	9.00	5.10	2.80	3.70
Nb	29.00	19.00	25.00	36.00	27.00	40.00	29.00	32.00	27.00	29.00	49.00	45.00
Ni	4.00	2.00	10.00	5.00	3.00	5.00	6.00	6.00	7.00	9.00	4.00	6.00
P ₂ O ₅	0.06	0.15	0.48	0.05	0.04	0.06	0.04	0.04	0.07	0.09	0.11	0.06
Pb	27.00	28.00	109.00	51.00	28.00	59.00	22.00	48.00	25.00	42.00	33.00	37.00
Rb	179.00	57.00	134.00	170.00	93.00	131.00	194.00	206.00	316.00	210.00	147.00	131.00
Sb	4.00	9.00	10.00	8.00	8.00	3.00	5.00	4.00	2.00	4.00	5.00	5.00
Sc	8.00	10.00	14.00	5.00	3.00	4.00	3.00	11.00	15.00	9.00	4.00	10.00
Se	0.30	0.40	0.60	0.80	0.50	0.70	0.40	0.30	0.00	0.50	0.40	0.30
Sn	4.00	4.00	59.00	8.00	4.00	8.00	18.00	45.00	27.00	11.00	17.00	11.00
Sr	25.00	11.00	47.00	13.00	8.00	16.00	10.00	51.00	68.00	82.00	27.00	29.00
Th	32.00	16.00	34.00	46.00	27.00	36.00	51.00	37.00	31.00	49.00	33.00	34.00
TiO ₂	0.39	0.98	1.14	0.33	0.27	0.43	0.27	0.73	1.05	0.70	0.46	0.63
U	4.00	5.00	6.00	11.00	6.00	13.00	8.00	11.00	12.00	16.00	8.00	8.00
V	20.00	35.00	56.00	13.00	9.00	16.00	16.00	37.00	68.00	46.00	18.00	26.00
W	5.00	9.00	18.00	10.00	8.00	14.00	11.00	21.00	14.00	8.00	8.00	5.00
Y	33.00	26.00	26.00	58.00	37.00	67.00	54.00	26.00	55.00	49.00	42.00	40.00
Zn	19.00	35.00	173.00	27.00	20.00	29.00	20.00	66.00	92.00	61.00	77.00	53.00
Zr	408.00	1849.00	963.00	772.00	956.00	985.00	470.00	885.00	679.00	909.00	1277.00	1139.00

Sample	HK1155	HK1156	HK1157	HK1158	HK1159	HK1160	HK1161	HK1162	HK1163	HK1164	HK1165	HK1166
Ag	0.00	0.00	0.30	0.30	0.40	0.00	0.00	0.00	0.00	0.00	0.20	0.40
As	11.00	9.00	12.00	9.00	9.00	7.00	5.00	9.00	8.00	1.00	10.00	1.00
Ba	202.00	320.00	380.00	371.00	662.00	318.00	375.00	366.00	232.00	219.00	240.00	235.00
Bi	7.00	8.00	7.00	7.00	9.00	7.00	5.00	9.00	5.00	6.00	5.00	6.00
CaO	0.13	0.20	0.32	0.29	0.56	0.17	0.25	0.41	0.22	0.08	0.23	0.18
Cd	0.00	0.00	0.00	0.00	1.00	0.00	0.60	0.70	0.60	0.00	0.00	1.70
Ce	211.00	89.00	151.00	110.00	93.00	102.00	163.00	179.00	124.00	103.00	165.00	100.00
Co	5.00	4.00	8.00	5.00	7.00	5.00	3.00	4.00	3.00	3.00	3.00	3.00
Cr	227.00	4.00	6.00	4.00	5.00	4.00	3.00	5.00	3.00	6.00	3.00	76.00
Cs	9.00	10.00	14.00	15.00	14.00	9.00	25.00	13.00	15.00	4.00	7.00	16.00
Cu	11.20	11.90	13.90	11.20	12.60	11.00	12.40	12.30	9.40	10.40	9.80	11.40
Fe ₂ O ₃	3.17	1.81	3.16	1.83	3.22	2.21	1.84	2.37	1.59	2.42	1.99	1.41
Ga	17.00	14.00	18.00	12.00	17.00	13.00	14.00	17.00	11.00	18.00	16.00	13.00
Ge	3.00	6.00	4.00	4.00	4.00	5.00	3.00	1.00	3.00	3.00	2.00	2.00
Hg	0.00	0.00	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.00	0.00	0.20
La	64.00	48.00	66.00	38.00	44.00	31.00	80.00	100.00	41.00	27.00	74.00	30.00
MnO	0.03	0.04	0.07	0.07	0.09	0.05	0.05	0.08	0.05	0.01	0.04	0.01
Mo	5.70	3.70	3.60	3.70	2.30	4.20	3.80	3.30	2.30	5.20	6.20	4.00
Nb	40.00	32.00	33.00	47.00	25.00	38.00	51.00	44.00	46.00	44.00	46.00	61.00
Ni	7.00	7.00	6.00	4.00	7.00	4.00	8.00	6.00	4.00	2.00	6.00	6.00
P ₂ O ₅	0.05	0.04	0.06	0.05	0.09	0.03	0.05	0.08	0.05	0.02	0.04	0.03
Pb	35.00	32.00	44.00	25.00	37.00	28.00	33.00	37.00	30.00	31.00	36.00	33.00
Rb	115.00	206.00	236.00	177.00	220.00	192.00	162.00	173.00	118.00	197.00	177.00	156.00
Sb	3.00	1.00	1.00	10.00	2.00	4.00	1.00	1.00	1.00	1.00	6.00	1.00
Sc	13.00	6.00	8.00	6.00	9.00	5.00	6.00	5.00	1.00	6.00	5.00	5.00
Se	0.40	0.30	0.30	0.00	0.00	0.00	0.30	0.40	0.20	0.20	0.20	0.30
Sn	15.00	15.00	10.00	9.00	7.00	6.00	11.00	12.00	8.00	13.00	5.00	10.00
Sr	19.00	37.00	60.00	49.00	69.00	38.00	43.00	38.00	24.00	20.00	25.00	24.00
Th	49.00	25.00	36.00	27.00	27.00	30.00	33.00	34.00	20.00	41.00	32.00	36.00
TiO ₂	0.65	0.53	0.60	0.80	0.68	0.53	0.62	0.49	0.49	0.43	0.46	0.56
U	9.00	13.00	10.00	11.00	8.00	5.00	9.00	9.00	6.00	7.00	10.00	7.00
V	30.00	22.00	29.00	28.00	32.00	20.00	21.00	17.00	18.00	13.00	17.00	16.00
W	5.00	11.00	5.00	8.00	7.00	5.00	10.00	9.00	4.00	2.00	7.00	12.00
Y	36.00	35.00	47.00	28.00	22.00	30.00	45.00	47.00	32.00	40.00	45.00	40.00
Zn	38.00	39.00	60.00	38.00	111.00	39.00	54.00	73.00	45.00	31.00	47.00	39.00
Zr	975.00	1565.00	1061.00	2049.00	395.00	926.00	1241.00	793.00	729.00	709.00	770.00	1309.00

Sample	HK1167	HK1168	HK1169	HK1170	HK1171	HK1172	HK1173	HK1174	HK1175	HK1176	HK1177	HK1178
Ag	0.00	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.70	0.00
As	5.00	14.00	6.00	7.00	33.00	37.00	50.00	17.00	47.00	12.00	18.00	13.00
Ba	302.00	210.00	250.00	265.00	222.00	175.00	243.00	89.00	233.00	85.00	76.00	183.00
Bi	5.00	7.00	8.00	8.00	4.00	5.00	5.00	8.00	7.00	3.00	6.00	5.00
CaO	0.36	0.19	0.31	0.17	0.12	0.09	0.14	0.06	0.17	0.07	0.13	0.16
Cd	1.20	0.60	1.60	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ce	171.00	146.00	146.00	128.00	93.00	130.00	127.00	194.00	131.00	127.00	108.00	99.00
Co	4.00	3.00	5.00	3.00	3.00	3.00	3.00	3.00	4.00	3.00	3.00	4.00
Cr	5.00	5.00	3.00	4.00	3.00	3.00	3.00	4.00	3.00	3.00	3.00	3.00
Cs	13.00	6.00	3.00	2.00	1.00	17.00	16.00	11.00	26.00	23.00	13.00	13.00
Cu	10.40	12.90	11.80	10.00	11.10	10.50	11.80	11.50	10.50	11.10	9.60	10.30
Fe ₂ O ₃	2.51	2.65	2.37	2.13	2.51	2.34	2.59	2.69	2.31	1.85	1.78	2.21
Ga	16.00	18.00	18.00	17.00	20.00	17.00	20.00	20.00	16.00	17.00	16.00	20.00
Ge	2.00	3.00	4.00	4.00	5.00	2.00	2.00	4.00	3.00	2.00	3.00	1.00
Hg	0.20	0.20	0.20	0.00	0.00	0.00	0.00	0.00	0.20	0.20	0.20	0.00
La	49.00	54.00	29.00	45.00	33.00	45.00	59.00	54.00	57.00	48.00	36.00	34.00
MnO	0.10	0.08	0.10	0.07	0.07	0.05	0.06	0.03	0.07	0.05	0.03	0.09
Mo	2.30	2.60	2.50	3.40	3.00	3.20	3.10	3.70	2.80	1.60	2.10	3.00
Nb	40.00	38.00	34.00	44.00	50.00	57.00	49.00	87.00	51.00	50.00	32.00	40.00
Ni	3.00	6.00	4.00	5.00	4.00	3.00	3.00	2.00	3.00	2.00	3.00	3.00
P ₂ O ₅	0.07	0.04	0.05	0.04	0.03	0.04	0.05	0.03	0.06	0.02	0.02	0.04
Pb	34.00	154.00	61.00	78.00	34.00	35.00	36.00	28.00	38.00	26.00	24.00	35.00
Rb	172.00	158.00	150.00	186.00	192.00	168.00	213.00	183.00	184.00	184.00	162.00	157.00
Sb	1.00	3.00	1.00	2.00	3.00	5.00	8.00	7.00	7.00	4.00	5.00	1.00
Sc	9.00	7.00	7.00	6.00	4.00	4.00	6.00	3.00	6.00	3.00	5.00	11.00
Se	0.30	0.30	0.30	0.20	0.30	0.30	0.30	0.00	0.40	0.20	0.30	0.30
Sn	7.00	12.00	20.00	20.00	12.00	7.00	8.00	8.00	6.00	2.00	34.00	6.00
Sr	33.00	25.00	28.00	32.00	18.00	17.00	25.00	9.00	22.00	8.00	10.00	18.00
Th	38.00	45.00	36.00	38.00	35.00	44.00	35.00	71.00	39.00	46.00	42.00	34.00
TiO ₂	0.38	0.42	0.38	0.46	0.40	0.54	0.51	0.70	0.50	0.34	0.25	0.38
U	6.00	8.00	5.00	5.00	10.00	7.00	9.00	14.00	8.00	8.00	5.00	6.00
V	18.00	15.00	18.00	17.00	18.00	14.00	20.00	20.00	16.00	13.00	8.00	16.00
W	4.00	8.00	2.00	8.00	9.00	14.00	5.00	13.00	12.00	11.00	4.00	11.00
Y	39.00	36.00	32.00	32.00	44.00	32.00	35.00	42.00	40.00	35.00	26.00	53.00
Zn	71.00	126.00	103.00	108.00	66.00	33.00	76.00	35.00	60.00	30.00	25.00	33.00
Zr	605.00	641.00	612.00	812.00	802.00	1078.00	980.00	2229.00	912.00	767.00	619.00	694.00

Sample	HK1179	HK1180	HK1181	HK1182	HK1183	HK1184	HK1185	HK1186	HK1187	HK1188	HK1189	HK1190
Ag	0.00	0.00	0.00	0.30	0.50	0.50	0.20	0.20	0.50	0.00	0.00	0.50
As	7.00	13.00	8.00	79.00	129.00	160.00	6.00	16.00	12.00	16.00	23.00	10.00
Ba	297.00	356.00	759.00	656.00	167.00	171.00	140.00	193.00	497.00	442.00	464.00	107.00
Bi	6.00	8.00	9.00	7.00	8.00	8.00	9.00	10.00	8.00	7.00	7.00	7.00
CaO	0.20	0.23	0.18	0.26	0.14	0.18	0.19	0.20	0.25	0.14	0.26	0.05
Cd	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ce	111.00	278.00	189.00	130.00	128.00	138.00	98.00	139.00	106.00	136.00	153.00	119.00
Co	3.00	5.00	5.00	10.00	4.00	3.00	3.00	9.00	4.00	3.00	6.00	3.00
Cr	6.00	4.00	5.00	4.00	6.00	3.00	4.00	3.00	28.00	4.00	4.00	3.00
Cs	16.00	17.00	19.00	15.00	16.00	13.00	15.00	9.00	20.00	14.00	22.00	13.00
Cu	9.60	11.50	15.20	11.20	12.30	9.30	16.10	12.40	10.70	11.90	9.80	10.80
Fe ₂ O ₃	2.35	6.66	5.13	2.99	3.24	2.40	1.51	2.66	2.85	2.51	2.99	1.90
Ga	18.00	22.00	18.00	12.00	30.00	18.00	15.00	15.00	20.00	19.00	20.00	20.00
Ge	2.00	6.00	3.00	5.00	4.00	3.00	5.00	2.00	4.00	4.00	5.00	4.00
Hg	0.00	0.20	0.43	0.00	0.20	0.00	0.20	0.20	0.00	0.55	0.41	0.41
La	45.00	54.00	47.00	42.00	27.00	30.00	28.00	27.00	50.00	49.00	54.00	26.00
MnO	0.07	0.10	0.12	0.19	0.08	0.07	0.08	0.12	0.10	0.14	0.18	0.03
Mo	3.20	4.70	5.60	3.80	4.00	3.80	3.60	5.20	3.60	4.10	3.00	2.40
Nb	46.00	33.00	76.00	54.00	71.00	53.00	37.00	31.00	48.00	55.00	49.00	50.00
Ni	7.00	5.00	5.00	2.00	5.00	6.00	4.00	5.00	7.00	5.00	8.00	6.00
P ₂ O ₅	0.05	0.07	0.06	0.08	0.03	0.04	0.06	0.06	0.06	0.06	0.08	0.02
Pb	27.00	36.00	125.00	57.00	84.00	158.00	44.00	58.00	33.00	45.00	44.00	28.00
Rb	211.00	69.00	147.00	115.00	271.00	145.00	142.00	154.00	201.00	196.00	206.00	216.00
Sb	1.00	4.00	1.00	1.00	2.00	1.00	1.00	1.00	4.00	1.00	5.00	4.00
Sc	6.00	14.00	11.00	7.00	12.00	9.00	4.00	5.00	7.00	5.00	6.00	5.00
Se	0.30	0.60	0.30	0.30	0.20	0.40	0.40	0.30	0.40	0.40	0.40	0.30
Sn	12.00	4.00	12.00	9.00	19.00	7.00	11.00	30.00	10.00	13.00	9.00	14.00
Sr	29.00	31.00	44.00	40.00	10.00	12.00	19.00	28.00	38.00	32.00	38.00	9.00
Th	39.00	27.00	35.00	24.00	52.00	37.00	44.00	41.00	32.00	40.00	40.00	44.00
TiO ₂	0.40	1.27	1.55	1.33	0.73	0.43	0.35	0.53	0.56	0.62	0.54	0.26
U	6.00	8.00	12.00	5.00	12.00	10.00	16.00	16.00	7.00	8.00	7.00	11.00
V	17.00	56.00	50.00	41.00	35.00	22.00	15.00	22.00	24.00	23.00	23.00	11.00
W	5.00	2.00	10.00	8.00	13.00	11.00	5.00	11.00	7.00	13.00	9.00	8.00
Y	46.00	28.00	35.00	35.00	34.00	38.00	45.00	27.00	44.00	56.00	48.00	54.00
Zn	48.00	49.00	110.00	79.00	60.00	74.00	83.00	80.00	52.00	59.00	61.00	37.00
Zr	914.00	1669.00	2555.00	2174.00	447.00	833.00	1790.00	999.00	756.00	1258.00	1027.00	970.00

Sample	HK1191	HK1192	HK1193	HK1194	HK1195	HK1196	HK1197	HK1198	HK1199	HK1200	HK1201	HK1202
Ag	0.00	0.30	0.00	0.00	0.00	0.00	0.20	0.20	0.20	0.00	0.00	0.20
As	26.00	21.00	18.00	20.00	9.00	20.00	12.00	12.00	9.00	10.00	10.00	25.00
Ba	206.00	194.00	184.00	238.00	259.00	263.00	358.00	477.00	281.00	460.00	419.00	310.00
Bi	5.00	4.00	6.00	6.00	11.00	8.00	12.00	8.00	9.00	8.00	7.00	7.00
CaO	0.17	0.19	0.08	0.28	0.18	0.22	0.17	0.20	0.10	0.25	0.25	0.27
Cd	0.20	0.20	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50
Ce	121.00	116.00	129.00	118.00	79.00	113.00	86.00	140.00	103.00	142.00	126.00	111.00
Co	3.00	3.00	3.00	3.00	3.00	4.00	3.00	5.00	3.00	4.00	4.00	3.00
Cr	9.00	4.00	39.00	3.00	29.00	3.00	3.00	33.00	3.00	4.00	3.00	13.00
Cs	22.00	24.00	19.00	11.00	9.00	14.00	1.00	6.00	8.00	10.00	15.00	14.00
Cu	10.10	10.40	11.70	9.90	5.00	10.10	4.90	12.10	11.00	12.90	11.20	9.00
Fe ₂ O ₃	2.75	2.32	2.20	2.28	1.89	2.59	2.31	2.87	1.82	3.00	2.89	2.68
Ga	22.00	19.00	16.00	16.00	11.00	17.00	13.00	17.00	14.00	18.00	19.00	16.00
Ge	3.00	5.00	2.00	3.00	3.00	3.00	5.00	4.00	3.00	3.00	3.00	5.00
Hg	0.43	0.28	0.40	0.29	0.00	0.37	0.00	0.64	0.44	0.56	0.58	0.20
La	47.00	46.00	45.00	48.00	32.00	50.00	37.00	55.00	38.00	58.00	47.00	44.00
MnO	0.08	0.06	0.05	0.08	0.07	0.12	0.08	0.09	0.06	0.10	0.09	0.08
Mo	3.00	3.10	3.70	2.70	2.80	2.60	2.60	4.50	3.50	3.80	2.90	3.00
Nb	38.00	36.00	53.00	51.00	56.00	47.00	56.00	99.00	91.00	77.00	57.00	49.00
Ni	2.00	3.00	5.00	3.00	3.00	6.00	6.00	4.00	3.00	5.00	4.00	3.00
P ₂ O ₅	0.04	0.04	0.03	0.05	0.04	0.05	0.04	0.05	0.03	0.05	0.05	0.05
Pb	36.00	29.00	29.00	32.00	24.00	30.00	27.00	34.00	30.00	40.00	36.00	33.00
Rb	228.00	198.00	179.00	149.00	115.00	167.00	139.00	182.00	160.00	192.00	199.00	179.00
Sb	7.00	5.00	1.00	2.00	6.00	1.00	1.00	2.00	4.00	5.00	4.00	2.00
Sc	4.00	9.00	4.00	6.00	9.00	5.00	4.00	4.00	3.00	6.00	5.00	8.00
Se	0.50	0.50	0.40	0.40	0.30	0.30	0.00	0.00	0.00	0.30	0.30	0.40
Sn	4.00	5.00	6.00	12.00	9.00	13.00	9.00	27.00	12.00	20.00	12.00	15.00
Sr	17.00	16.00	14.00	20.00	17.00	21.00	20.00	32.00	21.00	34.00	33.00	27.00
Th	43.00	34.00	46.00	43.00	20.00	43.00	28.00	43.00	30.00	41.00	35.00	33.00
TiO ₂	0.31	0.31	0.49	0.52	0.70	0.49	0.78	1.12	0.82	0.94	0.72	0.54
U	9.00	8.00	8.00	6.00	7.00	9.00	9.00	10.00	9.00	9.00	12.00	4.00
V	18.00	15.00	17.00	17.00	20.00	17.00	21.00	35.00	20.00	32.00	27.00	18.00
W	10.00	7.00	11.00	8.00	12.00	9.00	7.00	7.00	11.00	13.00	9.00	10.00
Y	45.00	44.00	53.00	39.00	37.00	42.00	31.00	50.00	47.00	42.00	34.00	40.00
Zn	55.00	43.00	34.00	36.00	24.00	39.00	29.00	48.00	29.00	48.00	40.00	47.00
Zr	542.00	496.00	1341.00	899.00	1082.00	848.00	1256.00	3011.00	2208.00	1940.00	1049.00	882.00

Sample	HK1203	HK1204	HK1205	HK1206	HK1207	HK1208	HK1209	HK1210	HK1211	HK1212	HK1213	HK1214
Ag	0.50	0.30	0.30	3.20	0.20	0.20	0.20	0.00	0.20	0.30	0.30	0.00
As	14.00	28.00	30.00	191.00	110.00	15.00	67.00	1.00	6.00	8.00	40.00	8.00
Ba	351.00	237.00	263.00	238.00	92.00	343.00	585.00	189.00	291.00	553.00	221.00	106.50
Bi	6.00	7.00	7.00	7.00	4.00	12.00	7.00	10.00	8.00	9.00	8.00	5.50
CaO	0.14	0.17	0.16	0.08	0.07	0.13	0.24	0.21	0.27	0.22	0.19	0.72
Cd	0.30	0.00	0.00	0.00	0.30	0.20	0.50	0.30	0.50	0.00	0.00	0.10
Ce	99.00	110.00	113.00	133.00	142.00	91.00	104.00	203.00	130.00	170.00	115.00	84.50
Co	5.00	4.00	3.00	3.00	3.00	3.00	6.00	3.00	4.00	3.00	3.00	3.50
Cr	7.00	3.00	3.00	3.00	10.00	4.00	17.00	5.00	4.00	4.00	3.00	13.50
Cs	22.00	4.00	9.00	11.00	20.00	23.00	10.00	12.00	11.00	0.90	23.00	10.00
Cu	13.10	12.60	13.20	12.30	10.90	13.00	11.90	12.40	12.40	14.90	10.30	4.10
Fe ₂ O ₃	4.59	2.33	2.52	2.78	2.01	4.51	3.44	3.22	2.02	4.48	2.26	2.73
Ga	20.00	17.00	17.00	19.00	21.00	18.00	13.00	16.00	14.00	15.00	15.00	36.50
Ge	5.00	4.00	3.00	5.00	2.00	4.00	4.00	3.00	2.00	5.00	3.00	2.50
Hg	0.69	0.47	0.51	0.27	0.31	0.70	0.61	0.42	0.42	0.87	0.36	0.00
La	30.00	47.00	41.00	44.00	55.00	26.00	38.00	57.00	52.00	40.00	48.00	14.50
MnO	0.04	0.07	0.07	0.04	0.01	0.04	0.19	0.03	0.04	0.11	0.06	0.03
Mo	3.60	3.40	4.00	2.80	4.40	3.70	3.90	3.90	3.40	4.70	3.70	2.40
Nb	53.00	63.00	56.00	51.00	35.00	48.00	56.00	38.00	43.00	71.00	50.00	58.00
Ni	3.00	2.00	5.00	4.00	6.00	6.00	4.00	6.00	7.00	4.00	2.00	9.00
P ₂ O ₅	0.05	0.04	0.04	0.05	0.03	0.04	0.06	0.05	0.05	0.06	0.05	0.08
Pb	33.00	34.00	33.00	59.00	21.00	29.00	55.00	36.00	40.00	88.00	39.00	47.50
Rb	155.00	186.00	183.00	184.00	191.00	152.00	119.00	117.00	142.00	132.00	173.00	280.50
Sb	2.00	1.00	4.00	1.00	8.00	8.00	1.00	4.00	1.00	1.00	6.00	4.50
Sc	18.00	6.00	8.00	6.00	6.00	12.00	9.00	10.00	6.00	10.00	5.00	6.50
Se	0.60	0.30	0.30	0.30	0.50	0.60	0.30	0.40	0.30	0.30	0.30	0.10
Sn	8.00	7.00	13.00	747.00	15.00	10.00	10.00	12.00	3.00	9.00	8.00	18.00
Sr	10.00	22.00	20.00	22.00	9.00	10.00	35.00	23.00	34.00	38.00	20.00	11.50
Th	37.00	43.00	36.00	43.00	54.00	44.00	26.00	42.00	33.00	31.00	34.00	85.00
TiO ₂	1.65	0.57	0.44	0.46	0.28	1.60	1.35	0.70	0.59	1.57	0.56	0.30
U	9.00	5.00	6.00	14.00	7.00	8.00	8.00	8.00	2.00	10.00	9.00	9.50
V	76.00	17.00	15.00	18.00	13.00	76.00	51.00	34.00	20.00	52.00	20.00	20.50
W	14.00	9.00	9.00	9.00	11.00	10.00	10.00	9.00	8.00	12.00	12.00	11.00
Y	50.00	46.00	47.00	49.00	63.00	47.00	37.00	36.00	34.00	29.00	38.00	80.00
Zn	32.00	51.00	65.00	50.00	18.00	31.00	87.00	46.00	50.00	80.00	53.00	66.00
Zr	1986.00	1278.00	878.00	964.00	614.00	1628.00	2277.00	866.00	1083.00	2848.00	1070.00	357.00

Sample	HK1215	HK1216	HK1217	HK1218	HK1219	HK1220	HK1221	HK1222	HK1223	HK1224	HK1225	HK1226
Ag	0.00	0.00	0.00	0.50	0.00	0.00	0.00	0.50	0.40	0.00	0.00	0.40
As	10.50	7.00	25.50	9.00	20.00	868.00	305.00	240.00	171.00	68.00	922.00	56.00
Ba	132.50	122.00	832.50	111.50	97.00	769.00	768.00	1051.00	777.00	877.00	607.00	838.00
Bi	3.00	5.00	12.00	5.50	5.00	2.00	3.00	2.00	3.00	1.00	2.00	3.00
CaO	16.00	0.68	1.47	1.09	0.60	0.63	0.69	1.30	0.65	0.41	1.31	0.98
Cd	1.30	0.20	1.50	0.30	0.00	1.20	0.60	1.00	0.40	0.50	0.50	0.90
Ce	78.00	64.50	435.00	123.00	199.00	189.00	141.00	119.00	118.00	83.00	156.00	130.00
Co	4.50	0.00	13.50	4.50	3.00	13.00	11.00	16.00	7.00	4.00	4.00	22.00
Cr	34.00	14.00	70.00	12.00	12.00	20.00	18.00	92.00	128.00	68.00	25.00	19.00
Cs	0.00	10.50	15.00	15.50	11.50	6.00	19.00	7.00	14.00	2.00	10.00	22.00
Cu	174.20	4.50	60.30	0.00	12.70	47.80	14.30	52.20	32.30	16.40	44.70	20.90
Fe ₂ O ₃	2.77	0.00	5.82	2.56	2.26	7.86	5.98	6.62	4.63	2.38	6.04	7.51
Ga	17.50	21.00	26.00	54.50	31.50	25.00	24.00	24.00	25.00	24.00	26.00	24.00
Ge	1.00	3.00	2.50	4.00	3.50	2.00	4.00	2.00	2.00	0.00	0.00	0.00
Hg	0.30	0.00	0.40	0.00	0.00	1.90	1.60	2.00	1.10	0.20	2.50	2.30
La	17.50	23.00	91.50	58.00	19.50	118.00	81.00	53.00	53.00	43.00	45.00	79.00
MnO	0.05	0.02	0.05	0.05	0.05	0.11	0.11	0.14	0.07	0.04	0.08	0.12
Mo	4.40	2.10	2.70	1.10	2.20	3.20	1.00	1.70	2.70	3.40	6.40	1.70
Nb	23.50	42.50	22.50	96.00	49.50	18.00	18.00	19.00	21.00	15.00	19.00	21.00
Ni	5.00	13.50	22.00	28.50	1.00	26.00	8.00	8.00	0.00	0.00	2.00	15.00
P ₂ O ₅	2.62	0.05	0.38	0.06	0.07	0.13	0.08	0.11	0.07	0.06	0.17	0.06
Pb	36.50	52.50	120.50	81.00	127.50	99.00	59.00	133.00	321.00	43.00	585.00	104.00
Rb	91.00	468.50	184.50	576.50	240.50	215.00	273.00	276.00	223.00	281.00	219.00	301.00
Sb	3.00	0.00	4.50	0.00	4.00	2.00	0.00	1.00	3.00	4.00	5.00	5.00
Sc	10.00	4.50	19.00	11.00	7.50	14.00	17.00	19.00	12.00	16.00	12.00	17.00
Se	0.20	0.00	1.00	0.00	0.00	0.90	0.80	0.90	0.90	0.80	0.70	1.20
Sn	14.00	24.50	20.00	34.50	22.00	11.00	11.00	6.00	5.00	14.00	16.00	10.00
Sr	77.00	15.00	91.50	24.50	10.00	71.00	40.00	64.00	29.00	36.00	33.00	54.00
Th	42.00	31.50	27.50	110.50	76.50	37.00	43.00	26.00	28.00	13.00	44.00	27.00
TiO ₂	0.35	0.28	1.06	0.22	0.24	0.96	0.79	0.87	0.83	0.73	0.78	1.08
U	5.50	11.50	4.00	13.50	7.50	9.00	7.00	6.00	9.00	5.00	10.00	6.00
V	24.00	17.00	77.00	13.50	15.00	76.00	65.00	70.00	70.00	65.00	61.00	90.00
W	11.50	8.50	12.00	24.00	7.00	11.00	8.00	11.00	15.00	14.00	3.00	10.00
Y	24.50	51.50	37.50	184.50	39.50	78.00	50.00	30.00	32.00	25.00	20.00	48.00
Zn	551.00	35.50	114.50	117.00	55.50	649.00	103.00	185.00	73.00	63.00	242.00	140.00
Zr	294.50	343.00	208.00	351.00	349.50	212.00	224.00	299.00	343.00	232.00	257.00	388.00

Sample	HK1227	HK1228	HK1229	HK1230	HK1231	HK1232	HK1233	HK1234	HK1235	HK1236	HK1237	HK1238
Ag	0.00	0.60	0.00	0.00	1.30	0.00	0.00	0.00	0.00	0.70	0.30	0.00
As	55.00	220.00	118.00	95.00	339.00	230.00	160.00	117.00	117.00	492.00	96.00	427.00
Ba	812.00	728.00	651.00	378.00	800.00	427.00	769.00	367.00	244.00	487.00	664.00	473.00
Bi	2.00	3.00	2.00	4.00	11.00	4.00	7.00	6.00	9.00	4.00	3.00	4.00
CaO	0.69	0.93	1.53	1.33	0.62	0.88	85.40	10.20	2.04	1.33	0.89	0.70
Cd	0.80	0.60	0.60	0.20	0.50	0.20	3.20	0.80	0.30	0.30	0.70	0.40
Ce	114.00	92.00	98.00	111.00	129.00	114.00	74.00	68.00	48.00	131.00	135.00	121.00
Co	20.00	10.00	9.00	5.00	11.00	3.00	35.00	5.00	0.00	10.00	13.00	11.00
Cr	24.00	18.00	17.00	30.00	22.00	24.00	232.00	31.00	25.00	63.00	39.00	25.00
Cs	21.00	14.00	10.00	8.00	12.00	16.00	0.00	0.00	0.00	7.00	11.00	4.00
Cu	26.00	32.20	31.60	51.50	34.10	25.10	2849.80	253.60	58.30	70.40	29.10	39.50
Fe ₂ O ₃	8.03	5.03	3.56	4.90	5.95	5.40	1.98	2.77	0.89	7.06	6.25	6.00
Ga	26.00	20.00	18.00	18.00	26.00	18.00	5.00	12.00	6.00	23.00	21.00	20.00
Ge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hg	2.60	1.80	1.00	0.00	1.80	1.20	6.10	0.00	0.30	0.40	2.40	1.50
La	81.00	44.00	42.00	50.00	73.00	36.00	30.00	28.00	13.00	47.00	49.00	51.00
MnO	0.13	0.12	0.07	0.03	0.08	0.06	0.09	0.06	0.03	0.07	0.12	0.04
Mo	2.10	2.30	2.40	3.00	3.60	3.10	7.20	4.40	1.60	4.80	1.40	2.70
Nb	23.00	16.00	12.00	14.00	17.00	12.00	10.00	11.00	10.00	16.00	18.00	17.00
Ni	12.00	3.00	0.00	0.00	7.00	0.00	37.00	3.00	0.00	5.00	9.00	4.00
P ₂ O ₅	0.07	0.22	0.41	0.35	0.10	0.31	14.72	2.63	0.79	0.20	0.09	0.08
Pb	130.00	186.00	158.00	280.00	225.00	160.00	884.00	139.00	55.00	517.00	260.00	162.00
Rb	318.00	209.00	159.00	76.00	215.00	157.00	77.00	83.00	94.00	127.00	243.00	144.00
Sb	0.00	0.00	2.00	0.00	4.00	2.00	88.00	3.00	2.00	4.00	3.00	4.00
Sc	18.00	15.00	13.00	13.00	14.00	14.00	8.00	13.00	5.00	12.00	16.00	13.00
Se	1.20	0.70	0.70	0.80	0.80	0.60	0.70	0.50	0.30	0.90	0.80	0.70
Sn	10.00	13.00	7.00	11.00	8.00	14.00	151.00	16.00	169.00	12.00	10.00	11.00
Sr	48.00	37.00	40.00	18.00	33.00	17.00	267.00	50.00	24.00	22.00	42.00	26.00
Th	29.00	29.00	27.00	29.00	32.00	20.00	17.00	21.00	7.00	35.00	26.00	25.00
TiO ₂	1.15	0.76	0.76	0.90	0.84	0.68	0.59	0.62	0.76	0.90	0.84	0.80
U	7.00	5.00	6.00	5.00	8.00	8.00	0.00	7.00	0.00	8.00	4.00	6.00
V	94.00	61.00	59.00	69.00	69.00	52.00	62.00	47.00	33.00	73.00	68.00	62.00
W	13.00	11.00	9.00	12.00	17.00	5.00	44.00	7.00	7.00	8.00	7.00	6.00
Y	50.00	30.00	34.00	32.00	36.00	20.00	17.00	25.00	10.00	25.00	30.00	33.00
Zn	147.00	138.00	135.00	118.00	127.00	158.00	17489.00	678.00	494.00	230.00	157.00	114.00
Zr	380.00	487.00	789.00	346.00	347.00	676.00	156.00	315.00	397.00	735.00	511.00	440.00

Sample	HK1239	HK1240	HK1241	HK1242	HK1243	HK1244	HK1245	HK1246	HK1247	HK1248	HK1249	HK1250
Ag	0.00	1.00	0.00	1.70	0.40	0.50	0.20	0.30	0.00	0.40	0.00	0.40
As	183.00	169.00	16.00	1145.00	49.00	15.00	122.00	68.00	45.00	76.00	76.00	550.00
Ba	326.00	596.00	632.00	480.00	538.00	649.00	803.00	526.00	636.00	485.00	622.00	579.00
Bi	8.00	2.00	5.00	7.00	5.00	4.00	4.00	5.00	4.00	3.00	4.00	1.00
CaO	1.08	0.78	1.05	3.66	2.13	1.64	2.96	1.86	1.75	1.08	0.57	0.53
Cd	0.00	0.70	0.20	0.70	0.20	0.30	0.70	0.60	0.60	0.50	0.70	0.60
Ce	116.00	105.00	119.00	152.00	70.00	51.00	133.00	95.00	102.00	84.00	96.00	114.00
Co	5.00	9.00	16.00	6.00	4.00	5.00	8.00	8.00	7.00	7.00	4.00	3.00
Cr	59.00	18.00	50.00	84.00	62.00	62.00	52.00	38.00	96.00	15.00	31.00	21.00
Cs	5.00	18.00	0.00	10.00	6.00	1.00	0.00	0.00	0.00	1.00	24.00	20.00
Cu	58.10	14.30	17.00	45.60	15.50	15.60	875.60	210.20	60.00	15.00	7.90	5.10
Fe ₂ O ₃	6.21	4.91	5.79	4.40	4.04	3.81	7.35	2.77	4.32	2.44	4.42	6.24
Ga	20.00	19.00	12.00	18.00	14.00	12.00	19.00	11.00	13.00	12.00	20.00	17.00
Ge	0.00	0.00	1.00	1.00	0.00	3.00	0.00	1.00	0.00	0.00	0.00	0.00
Hg	0.30	2.60	0.60	0.50	0.00	0.00	0.20	0.00	0.20	0.00	0.00	0.00
La	35.00	35.00	44.00	35.00	27.00	22.00	62.00	40.00	43.00	36.00	39.00	46.00
MnO	0.06	0.10	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.06	0.04	0.02
Mo	3.60	3.40	1.30	2.30	2.30	2.00	2.30	3.30	2.90	1.40	3.10	3.10
Nb	12.00	18.00	9.00	17.00	9.00	10.00	18.00	11.00	13.00	10.00	18.00	15.00
Ni	0.00	6.00	7.00	9.00	9.00	0.00	20.00	10.00	4.00	0.00	2.00	0.00
P ₂ O ₅	0.16	0.17	0.28	0.17	0.09	0.21	1.50	1.10	0.69	0.30	0.10	0.14
Pb	462.00	58.00	31.00	587.00	102.00	55.00	316.00	107.00	80.00	54.00	43.00	59.00
Rb	69.00	236.00	91.00	105.00	75.00	78.00	174.00	102.00	181.00	113.00	212.00	243.00
Sb	4.00	4.00	0.00	11.00	8.00	4.00	9.00	4.00	0.00	3.00	6.00	3.00
Sc	12.00	10.00	12.00	17.00	12.00	12.00	16.00	12.00	9.00	4.00	10.00	15.00
Se	0.80	0.70	0.70	1.00	0.70	0.60	1.00	0.40	0.60	0.50	0.60	0.70
Sn	18.00	12.00	7.00	10.00	5.00	9.00	18.00	16.00	24.00	10.00	6.00	7.00
Sr	13.00	42.00	17.00	42.00	17.00	22.00	44.00	40.00	40.00	32.00	44.00	41.00
Th	26.00	28.00	11.00	19.00	19.00	8.00	37.00	13.00	24.00	19.00	29.00	23.00
TiO ₂	0.79	0.72	0.70	1.01	0.72	0.65	0.90	0.75	0.76	0.70	0.73	0.84
U	7.00	7.00	4.00	6.00	3.00	4.00	7.00	9.00	8.00	7.00	5.00	5.00
V	64.00	60.00	61.00	80.00	62.00	50.00	83.00	43.00	52.00	46.00	54.00	57.00
W	6.00	4.00	4.00	14.00	0.00	2.00	29.00	17.00	13.00	7.00	3.00	8.00
Y	16.00	20.00	33.00	28.00	15.00	15.00	32.00	36.00	37.00	30.00	19.00	15.00
Zn	132.00	73.00	202.00	143.00	48.00	143.00	9639.00	1899.00	268.00	120.00	47.00	42.00
Zr	292.00	738.00	288.00	353.00	370.00	322.00	186.00	1245.00	926.00	1022.00	283.00	335.00

Sample	HK1251	HK1252	HK1253	HK1254	HK1255	HK1256	HK1257	HK1258	HK1259	HK1260	HK1261	HK1262
Ag	0.00	0.50	0.00	0.00	0.50	0.00	0.90	0.30	0.80	0.00	1.50	1.50
As	92.00	212.00	265.00	269.00	704.00	65.00	149.00	648.00	147.00	57.00	105.00	108.00
Ba	580.00	806.00	612.00	811.00	618.00	203.00	1055.00	774.00	1082.00	204.00	660.00	660.00
Bi	4.00	6.00	5.00	8.00	7.00	3.00	10.00	0.00	3.00	3.00	3.00	6.00
CaO	0.85	1.37	1.08	0.78	0.59	0.64	0.50	0.82	0.67	0.24	0.34	0.35
Cd	0.60	0.70	0.50	0.90	0.50	0.20	1.30	0.60	1.40	0.00	0.80	0.80
Ce	98.00	126.00	106.00	123.00	144.00	37.00	162.00	156.00	117.00	40.00	92.00	99.00
Co	6.00	10.00	6.00	9.00	20.00	4.00	15.00	15.00	12.00	0.00	4.00	3.00
Cr	25.00	29.00	75.00	46.00	149.00	16.00	19.00	138.00	276.00	14.00	111.00	227.00
Cs	33.00	13.00	7.00	22.00	12.00	9.00	26.00	26.00	26.00	11.00	29.00	36.00
Cu	6.20	25.50	18.10	29.80	15.50	3.40	16.60	20.50	11.40	0.60	5.20	3.50
Fe ₂ O ₃	6.23	6.83	3.57	7.94	6.86	1.32	6.90	7.64	7.42	2.95	5.59	5.63
Ga	20.00	21.00	15.00	20.00	17.00	4.00	17.00	20.00	17.00	4.00	19.00	18.00
Ge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hg	0.60	0.40	0.00	1.30	0.00	0.00	0.90	0.60	1.60	0.30	1.80	0.80
La	44.00	66.00	26.00	45.00	56.00	12.00	58.00	52.00	48.00	15.00	44.00	45.00
MnO	0.03	0.06	0.11	0.12	0.11	0.03	0.21	0.16	0.16	0.02	0.02	0.02
Mo	3.60	1.80	3.70	1.90	3.20	2.10	4.10	3.40	2.10	2.00	3.20	3.80
Nb	19.00	19.00	13.00	24.00	12.00	31.00	24.00	16.00	22.00	7.00	14.00	18.00
Ni	2.00	10.00	3.00	12.00	7.00	0.00	14.00	7.00	13.00	0.00	2.00	3.00
P ₂ O ₅	0.09	0.55	0.29	0.11	0.09	0.04	0.09	0.11	0.07	0.06	0.15	0.13
Pb	34.00	106.00	82.00	121.00	60.00	135.00	52.00	154.00	29.00	12.00	34.00	21.00
Rb	263.00	295.00	191.00	380.00	189.00	48.00	421.00	285.00	387.00	54.00	235.00	231.00
Sb	3.00	0.00	5.00	3.00	3.00	3.00	4.00	9.00	0.00	1.00	4.00	6.00
Sc	16.00	13.00	13.00	13.00	16.00	3.00	14.00	17.00	13.00	5.00	16.00	15.00
Se	0.80	0.90	0.70	1.10	0.80	0.30	1.00	1.00	1.00	0.20	0.90	1.00
Sn	10.00	9.00	10.00	14.00	4.00	11.00	11.00	8.00	0.00	3.00	10.00	9.00
Sr	38.00	44.00	36.00	53.00	31.00	18.00	77.00	38.00	83.00	11.00	48.00	48.00
Th	34.00	32.00	24.00	34.00	29.00	7.00	27.00	29.00	31.00	9.00	34.00	25.00
TiO ₂	0.79	0.87	0.70	0.99	0.87	1.13	1.14	0.92	1.16	0.59	0.77	0.82
U	5.00	6.00	8.00	7.00	7.00	6.00	15.00	4.00	9.00	2.00	5.00	5.00
V	68.00	70.00	57.00	86.00	69.00	35.00	81.00	78.00	83.00	28.00	72.00	78.00
W	6.00	7.00	3.00	5.00	3.00	5.00	8.00	10.00	5.00	2.00	0.00	7.00
Y	15.00	39.00	24.00	26.00	33.00	17.00	45.00	21.00	35.00	13.00	21.00	24.00
Zn	52.00	182.00	154.00	180.00	97.00	21.00	112.00	105.00	109.00	13.00	37.00	31.00
Zr	378.00	257.00	1810.00	347.00	574.00	680.00	3118.00	318.00	1118.00	207.00	277.00	319.00

Sample	HK1263	HK1264	HK1265	HK1266	HK1267	HK1268	HK1269	HK1270	HK1271	HK1272	HK1273	HK1274
Ag	1.00	0.90	1.50	0.60	0.80	1.10	1.20	1.20	1.10	0.00	0.00	0.00
As	84.00	61.00	82.00	11.00	6.00	15.00	16.00	81.00	281.00	447.00	244.00	142.00
Ba	503.00	368.00	620.00	498.00	486.00	542.00	479.00	512.00	760.00	954.00	719.00	635.00
Bi	6.00	4.00	2.00	4.00	2.00	0.00	7.00	2.00	5.00	3.00	5.00	0.00
CaO	1.18	2.06	2.94	1.22	0.79	1.91	2.08	1.30	0.72	0.81	0.90	0.52
Cd	0.60	0.50	0.70	0.70	0.50	0.70	0.60	0.30	0.40	0.70	0.50	0.20
Ce	81.00	69.00	127.00	101.00	97.00	103.00	134.00	90.00	112.00	126.00	120.00	110.00
Co	6.00	4.00	8.00	8.00	5.00	7.00	5.00	10.00	10.00	16.00	14.00	6.00
Cr	181.00	82.00	269.00	74.00	57.00	47.00	172.00	73.00	113.00	48.00	27.00	69.00
Cs	14.00	0.00	1.00	7.00	13.00	6.00	0.00	11.00	4.00	11.00	12.00	14.00
Cu	34.20	9.30	82.60	118.60	0.20	66.40	72.30	14.00	17.00	22.10	17.10	11.40
Fe ₂ O ₃	5.28	2.91	6.05	2.48	1.27	3.74	3.84	7.53	9.06	7.57	7.81	8.35
Ga	12.00	10.00	14.00	12.00	14.00	15.00	14.00	19.00	22.00	25.00	21.00	21.00
Ge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hg	2.20	1.40	2.20	2.10	1.60	1.60	1.80	2.30	3.10	3.00	3.20	3.10
La	35.00	31.00	45.00	49.00	51.00	48.00	56.00	44.00	35.00	49.00	51.00	24.00
MnO	0.02	0.03	0.05	0.02	0.03	0.03	0.04	0.06	0.08	0.16	0.10	0.03
Mo	3.40	2.50	3.90	6.50	1.40	2.50	2.30	2.30	3.40	3.00	3.30	1.40
Nb	20.00	18.00	16.00	13.00	18.00	18.00	19.00	19.00	19.00	19.00	19.00	17.00
Ni	8.00	0.00	11.00	416.00	2.00	48.00	47.00	0.00	2.00	10.00	3.00	0.00
P ₂ O ₅	0.45	0.71	0.77	0.25	0.05	0.46	0.45	0.12	0.13	0.11	0.11	0.07
Pb	47.00	34.00	106.00	43.00	19.00	48.00	79.00	68.00	188.00	253.00	147.00	78.00
Rb	167.00	105.00	159.00	149.00	170.00	214.00	190.00	121.00	190.00	254.00	202.00	172.00
Sb	6.00	3.00	3.00	0.00	0.00	5.00	2.00	0.00	0.00	5.00	0.00	6.00
Sc	8.00	7.00	9.00	8.00	9.00	11.00	10.00	15.00	20.00	19.00	21.00	17.00
Se	0.60	0.40	0.60	0.30	0.40	0.50	0.50	0.90	1.00	1.00	1.00	1.00
Sn	27.00	14.00	31.00	22.00	6.00	19.00	58.00	11.00	12.00	10.00	18.00	9.00
Sr	39.00	32.00	43.00	43.00	34.00	44.00	41.00	23.00	26.00	46.00	36.00	19.00
Th	18.00	19.00	25.00	27.00	30.00	32.00	41.00	31.00	31.00	32.00	32.00	30.00
TiO ₂	0.72	0.78	0.77	0.58	0.70	0.65	0.69	0.99	1.08	0.92	1.01	1.04
U	3.00	6.00	7.00	5.00	6.00	8.00	14.00	7.00	7.00	5.00	8.00	6.00
V	53.00	41.00	50.00	35.00	38.00	46.00	44.00	72.00	83.00	79.00	81.00	82.00
W	6.00	10.00	12.00	10.00	8.00	6.00	13.00	4.00	10.00	7.00	11.00	12.00
Y	20.00	27.00	39.00	39.00	32.00	35.00	45.00	26.00	21.00	29.00	31.00	14.00
Zn	368.00	102.00	259.00	180.00	37.00	176.00	183.00	83.00	129.00	314.00	123.00	56.00
Zr	663.00	971.00	1470.00	1417.00	384.00	584.00	2349.00	457.00	482.00	357.00	533.00	379.00

Sample	HK1275	HK1276	HK1277	HK1278	HK1279	HK1280	HK1281	HK1282	HK1283	HK1284	HK1285	HK1286
Ag	0.30	0.00	0.30	0.00	0.50	0.20	0.00	0.60	0.00	0.30	0.00	0.20
As	253.00	109.00	40.00	56.00	25.00	21.00	18.00	11.00	27.00	58.00	19.00	19.00
Ba	714.00	947.00	656.00	786.00	778.00	702.00	712.00	696.00	938.00	1122.00	737.00	562.00
Bi	3.00	4.00	7.00	3.00	5.00	3.00	1.00	2.00	4.00	0.00	4.00	3.00
CaO	0.58	0.97	2.87	3.01	0.71	3.75	1.24	0.46	1.25	1.41	1.09	1.35
Cd	0.30	0.60	0.50	0.80	0.70	0.70	0.70	0.40	0.70	0.60	0.50	0.30
Ce	119.00	104.00	104.00	124.00	95.00	97.00	120.00	172.00	121.00	115.00	106.00	111.00
Co	7.00	13.00	6.00	11.00	8.00	8.00	13.00	25.00	13.00	16.00	10.00	10.00
Cr	42.00	113.00	46.00	44.00	18.00	118.00	24.00	17.00	34.00	37.00	30.00	19.00
Cs	9.00	11.00	0.00	0.00	7.00	2.00	14.00	15.00	12.00	7.00	11.00	13.00
Cu	16.20	19.20	43.50	86.70	18.90	57.60	19.80	1.30	13.90	46.10	15.30	11.80
Fe ₂ O ₃	10.00	7.85	7.75	8.50	4.09	5.40	6.15	6.53	7.61	9.28	6.32	5.75
Ga	22.00	19.00	17.00	19.00	15.00	17.00	18.00	22.00	20.00	25.00	18.00	19.00
Ge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hg	3.50	3.30	2.30	3.50	2.10	2.30	3.10	2.80	1.70	1.60	0.00	0.00
La	35.00	46.00	49.00	61.00	48.00	51.00	61.00	269.00	58.00	60.00	51.00	53.00
MnO	0.07	0.12	0.07	0.08	0.06	0.04	0.10	0.10	0.13	0.14	0.10	0.09
Mo	3.40	3.00	3.20	2.30	1.70	3.80	2.50	1.80	2.30	4.50	1.90	3.00
Nb	25.00	18.00	18.00	19.00	15.00	17.00	22.00	24.00	20.00	20.00	19.00	19.00
Ni	0.00	10.00	5.00	16.00	2.00	7.00	11.00	16.00	11.00	9.00	8.00	5.00
P ₂ O ₅	0.10	0.15	0.82	0.80	0.13	0.47	0.21	0.06	0.12	0.15	0.17	0.10
Pb	144.00	100.00	84.00	157.00	116.00	40.00	55.00	36.00	35.00	118.00	26.00	41.00
Rb	176.00	226.00	109.00	172.00	113.00	225.00	255.00	299.00	255.00	254.00	238.00	233.00
Sb	2.00	3.00	0.00	4.00	0.00	5.00	6.00	1.00	3.00	3.00	3.00	4.00
Sc	20.00	14.00	14.00	18.00	12.00	10.00	10.00	9.00	17.00	16.00	15.00	10.00
Se	1.20	0.90	0.80	0.90	0.70	0.60	0.80	0.70	0.90	1.00	0.80	0.70
Sn	13.00	11.00	16.00	23.00	5.00	21.00	16.00	12.00	6.00	5.00	13.00	35.00
Sr	25.00	39.00	34.00	48.00	45.00	46.00	43.00	30.00	45.00	39.00	33.00	24.00
Th	33.00	25.00	32.00	37.00	29.00	32.00	27.00	43.00	28.00	33.00	29.00	44.00
TiO ₂	1.18	0.92	0.93	0.99	0.88	0.78	1.00	0.80	0.89	0.92	1.03	0.80
U	8.00	5.00	7.00	7.00	5.00	6.00	5.00	8.00	6.00	7.00	7.00	6.00
V	91.00	76.00	67.00	74.00	60.00	54.00	64.00	58.00	73.00	82.00	68.00	58.00
W	10.00	11.00	11.00	15.00	9.00	9.00	15.00	14.00	14.00	16.00	15.00	8.00
Y	19.00	28.00	35.00	43.00	39.00	33.00	42.00	112.00	40.00	41.00	34.00	25.00
Zn	99.00	284.00	269.00	542.00	140.00	259.00	141.00	71.00	107.00	203.00	126.00	112.00
Zr	462.00	490.00	870.00	591.00	1018.00	456.00	723.00	308.00	358.00	276.00	485.00	427.00

Sample	HK1287	HK1288	HK1289	HK1290	HK1291	HK1292	HK1293	HK1294	HK1295	HK1296	HK1297	HK1298
Ag	0.60	0.40	0.40	0.60	0.30	0.70	0.30	0.40	0.20	0.50	0.60	0.80
As	22.00	0.00	51.00	51.00	3.00	0.00	21.00	24.00	8.00	40.00	53.00	41.00
Ba	791.00	365.00	461.00	541.00	304.00	682.00	660.00	729.00	350.00	421.00	536.00	701.00
Bi	2.00	18.00	10.00	6.00	1.00	10.00	5.00	7.00	2.00	8.00	9.00	7.00
CaO	1.35	10.10	3.90	4.31	2.58	2.86	4.45	3.11	1.23	1.42	1.33	6.18
Cd	0.70	1.00	0.90	0.90	0.70	0.80	0.90	0.90	0.50	0.40	0.40	1.40
Ce	115.00	88.00	158.00	126.00	51.00	135.00	155.00	155.00	41.00	123.00	166.00	135.00
Co	10.00	10.00	10.00	12.00	6.00	12.00	14.00	17.00	4.00	10.00	10.00	15.00
Cr	54.00	117.00	80.00	94.00	21.00	40.00	34.00	66.00	10.00	83.00	37.00	55.00
Cs	19.00	0.00	3.00	4.00	4.00	0.00	12.00	9.00	13.00	7.00	0.00	5.00
Cu	15.90	286.80	28.70	28.20	188.20	117.50	19.20	39.70	7.70	13.20	17.40	40.70
Fe ₂ O ₃	6.74	13.05	7.34	7.08	2.99	11.68	7.73	11.31	1.32	6.59	9.92	9.31
Ga	21.00	10.00	19.00	19.00	8.00	22.00	21.00	24.00	6.00	16.00	28.00	23.00
Ge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hg	1.20	3.30	0.50	0.30	0.00	1.80	0.40	1.80	0.00	0.00	0.60	1.80
La	54.00	30.00	63.00	53.00	19.00	64.00	80.00	61.00	14.00	54.00	70.00	61.00
MnO	0.08	0.28	0.19	0.29	0.08	0.22	0.13	0.22	0.05	0.21	0.22	0.28
Mo	2.20	4.00	2.30	3.60	5.00	5.90	1.80	7.40	1.30	2.70	2.60	2.60
Nb	22.00	106.00	22.00	23.00	26.00	35.00	20.00	23.00	13.00	20.00	27.00	18.00
Ni	6.00	2.00	12.00	9.00	0.00	13.00	8.00	13.00	0.00	3.00	11.00	12.00
P ₂ O ₅	0.12	0.31	0.14	0.12	0.05	0.24	0.76	0.77	0.05	0.12	0.14	0.10
Pb	48.00	1528.00	210.00	260.00	60.00	223.00	134.00	70.00	28.00	217.00	255.00	216.00
Rb	253.00	86.00	202.00	209.00	114.00	250.00	233.00	288.00	82.00	86.00	114.00	283.00
Sb	6.00	9.00	4.00	1.00	1.00	0.00	4.00	2.00	0.00	6.00	7.00	2.00
Sc	18.00	5.00	16.00	11.00	5.00	15.00	14.00	22.00	7.00	15.00	19.00	16.00
Se	0.80	0.70	0.90	0.90	0.50	1.20	0.90	1.20	0.30	0.90	1.20	1.00
Sn	12.00	7976.00	77.00	104.00	60.00	1103.00	10.00	77.00	9.00	58.00	44.00	76.00
Sr	44.00	64.00	55.00	53.00	46.00	50.00	56.00	55.00	32.00	27.00	27.00	85.00
Th	34.00	29.00	43.00	37.00	19.00	42.00	43.00	34.00	3.00	39.00	44.00	38.00
TiO ₂	0.95	1.21	1.02	0.83	1.16	1.17	1.06	1.12	0.90	1.09	1.26	0.93
U	9.00	3.00	10.00	8.00	6.00	6.00	9.00	8.00	2.00	5.00	7.00	7.00
V	68.00	58.00	76.00	72.00	44.00	91.00	74.00	94.00	34.00	72.00	90.00	82.00
W	14.00	74.00	12.00	14.00	10.00	16.00	10.00	9.00	5.00	6.00	6.00	11.00
Y	32.00	17.00	35.00	32.00	16.00	47.00	48.00	38.00	13.00	23.00	23.00	33.00
Zn	130.00	455.00	626.00	400.00	72.00	617.00	205.00	270.00	41.00	216.00	339.00	464.00
Zr	525.00	657.00	581.00	707.00	411.00	454.00	567.00	413.00	244.00	933.00	472.00	429.00

Sample	HK1299	HK1300	HK1301	HK1302	HK1303	HK1304	HK1305	HK1306	HK1307	HK1308	HK1309	HK1310
Ag	0.60	0.30	1.80	2.30	0.60	0.30	0.40	1.20	0.30	0.20	0.00	0.20
As	40.00	12.00	82.00	78.00	37.00	49.00	13.00	54.00	52.00	38.00	39.00	45.00
Ba	523.00	128.00	599.00	552.00	474.00	629.00	374.00	533.00	582.00	619.00	678.00	675.00
Bi	7.00	3.00	27.00	25.00	6.00	9.00	13.00	5.00	9.00	8.00	14.00	5.00
CaO	3.81	1.65	4.34	3.79	3.94	5.29	1.96	6.11	5.35	5.82	7.01	6.20
Cd	0.90	0.00	1.20	0.90	0.80	1.30	0.50	1.20	1.30	1.30	1.50	1.70
Ce	192.00	29.00	150.00	172.00	153.00	135.00	150.00	157.00	133.00	126.00	114.00	122.00
Co	18.00	0.00	15.00	16.00	20.00	13.00	9.00	12.00	14.00	12.00	15.00	12.00
Cr	65.00	7.00	39.00	36.00	66.00	39.00	110.00	60.00	30.00	65.00	306.00	15.00
Cs	7.00	4.00	3.00	4.00	12.00	14.00	5.00	3.00	11.00	2.00	4.00	0.00
Cu	32.80	3.30	85.40	82.10	29.50	45.10	63.60	49.00	51.40	37.90	49.70	11.90
Fe ₂ O ₃	9.55	0.00	8.88	9.12	8.67	8.52	9.77	8.04	9.15	8.19	10.20	7.45
Ga	24.00	3.00	24.00	25.00	21.00	22.00	18.00	22.00	22.00	24.00	26.00	21.00
Ge	0.00	0.00	3.00	1.00	1.00	3.00	3.00	1.00	1.00	3.00	2.00	2.00
Hg	1.30	0.00	0.30	0.00	0.00	0.00	0.00	0.00	0.30	0.50	1.30	0.00
La	80.00	11.00	69.00	80.00	62.00	59.00	54.00	69.00	59.00	57.00	43.00	73.00
MnO	0.26	0.05	0.35	0.24	0.30	0.21	0.22	0.25	0.27	0.25	0.34	0.24
Mo	2.90	0.60	4.10	4.10	2.70	3.50	4.60	3.30	2.70	2.70	3.60	2.70
Nb	20.00	0.00	23.00	21.00	23.00	21.00	27.00	20.00	21.00	19.00	18.00	19.00
Ni	13.00	0.00	14.00	14.00	13.00	12.00	5.00	11.00	10.00	13.00	18.00	6.00
P ₂ O ₅	0.09	0.03	0.18	0.18	0.15	0.17	0.17	0.22	0.18	0.10	0.10	0.23
Pb	190.00	46.00	239.00	234.00	170.00	177.00	128.00	199.00	175.00	214.00	232.00	300.00
Rb	229.00	35.00	240.00	199.00	194.00	280.00	152.00	242.00	287.00	263.00	289.00	196.00
Sb	4.00	0.00	1.00	4.00	4.00	4.00	7.00	5.00	0.00	4.00	2.00	0.00
Sc	20.00	2.00	18.00	17.00	13.00	12.00	16.00	19.00	17.00	11.00	19.00	19.00
Se	1.10	0.00	1.00	0.90	0.90	0.90	1.10	0.80	1.00	1.00	1.20	1.00
Sn	54.00	2.00	369.00	296.00	96.00	96.00	400.00	108.00	112.00	84.00	105.00	10.00
Sr	55.00	13.00	70.00	56.00	48.00	76.00	34.00	74.00	76.00	78.00	89.00	102.00
Th	35.00	3.00	39.00	44.00	30.00	37.00	29.00	30.00	31.00	35.00	39.00	29.00
TiO ₂	1.03	0.23	0.98	1.08	0.93	0.89	1.24	0.83	0.87	0.91	0.86	1.07
U	5.00	4.00	8.00	7.00	8.00	9.00	8.00	12.00	10.00	6.00	7.00	6.00
V	86.00	17.00	77.00	75.00	75.00	75.00	89.00	68.00	79.00	80.00	92.00	77.00
W	6.00	4.00	20.00	20.00	11.00	11.00	20.00	11.00	15.00	15.00	10.00	14.00
Y	46.00	10.00	33.00	41.00	36.00	32.00	31.00	45.00	35.00	35.00	25.00	47.00
Zn	437.00	48.00	740.00	680.00	262.00	336.00	280.00	326.00	351.00	462.00	538.00	366.00
Zr	404.00	168.00	692.00	565.00	448.00	418.00	977.00	533.00	325.00	493.00	306.00	521.00

Sample	HK1311	HK1312	HK1313	HK1314	HK1315	HK1316	HK1317	HK1318	HK1319	HK1320	HK1321	HK1322
Ag	0.30	3.70	0.00	0.90	0.00	0.60	0.90	0.20	0.00	0.00	0.60	0.00
As	37.00	26.00	49.00	25.00	5.00	26.00	22.00	12.00	10.00	7.00	0.00	11.00
Ba	711.00	687.00	462.00	479.00	314.00	658.00	129.00	244.00	114.00	115.00	63.00	369.00
Bi	3.00	3.00	8.00	5.00	6.00	16.00	29.00	9.00	5.00	7.00	4.00	26.00
CaO	9.11	1.15	1.51	3.27	2.05	4.52	3.07	1.20	0.65	0.60	0.62	3.38
Cd	2.60	0.60	0.40	0.80	0.30	1.20	0.30	0.40	0.00	0.00	0.00	0.60
Ce	97.00	97.00	161.00	128.00	23.00	124.00	77.00	82.00	93.00	107.00	88.00	89.00
Co	10.00	9.00	12.00	11.00	0.00	14.00	7.00	4.00	0.00	0.00	0.00	6.00
Cr	21.00	19.00	29.00	28.00	6.00	28.00	120.00	63.00	13.00	23.00	158.00	49.00
Cs	0.00	16.00	6.00	5.00	7.00	2.00	8.00	13.00	8.00	7.00	10.00	20.00
Cu	12.00	76.80	18.10	20.50	7.30	24.40	15.30	8.80	6.10	7.60	2.90	17.40
Fe ₂ O ₃	6.68	5.56	9.05	7.72	0.00	8.94	2.81	2.08	1.17	2.78	0.41	5.23
Ga	20.00	22.00	25.00	21.00	4.00	23.00	30.00	24.00	24.00	30.00	15.00	24.00
Ge	0.00	2.00	2.00	0.00	2.00	0.00	0.00	2.00	2.00	0.00	0.00	0.00
Hg	0.30	0.50	0.00	0.20	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00
La	57.00	37.00	60.00	53.00	4.00	63.00	32.00	23.00	19.00	22.00	27.00	37.00
MnO	0.21	0.09	0.21	0.25	0.12	0.23	0.08	0.12	0.06	0.03	0.02	0.09
Mo	1.30	2.20	3.00	3.10	2.20	8.90	17.10	5.10	1.50	2.10	3.00	14.20
Nb	14.00	21.00	25.00	17.00	5.00	22.00	54.00	33.00	46.00	54.00	46.00	38.00
Ni	8.00	8.00	4.00	8.00	0.00	7.00	25.00	12.00	8.00	5.00	0.00	9.00
P ₂ O ₅	0.20	0.14	0.13	0.11	0.03	0.12	0.14	0.07	0.03	0.03	0.03	0.11
Pb	219.00	135.00	238.00	115.00	25.00	146.00	137.00	106.00	84.00	34.00	60.00	96.00
Rb	198.00	303.00	103.00	182.00	51.00	228.00	379.00	403.00	413.00	231.00	176.00	308.00
Sb	0.00	4.00	4.00	4.00	0.00	6.00	2.00	2.00	3.00	0.00	3.00	3.00
Sc	18.00	13.00	21.00	16.00	1.00	16.00	7.00	3.00	6.00	5.00	5.00	15.00
Se	1.00	0.60	1.10	1.00	0.10	1.10	0.00	0.00	0.00	0.20	0.00	0.80
Sn	14.00	11.00	46.00	33.00	21.00	84.00	41.00	55.00	59.00	93.00	272.00	147.00
Sr	148.00	41.00	27.00	51.00	23.00	75.00	24.00	30.00	12.00	10.00	14.00	41.00
Th	27.00	34.00	43.00	32.00	4.00	36.00	69.00	42.00	65.00	85.00	58.00	62.00
TiO ₂	0.95	0.73	1.19	0.97	0.47	0.91	0.26	0.31	0.24	0.38	0.26	0.85
U	8.00	6.00	6.00	7.00	5.00	8.00	15.00	9.00	15.00	13.00	13.00	16.00
V	79.00	53.00	88.00	77.00	20.00	88.00	23.00	23.00	13.00	25.00	15.00	66.00
W	14.00	8.00	8.00	10.00	12.00	19.00	27.00	11.00	9.00	16.00	10.00	44.00
Y	37.00	23.00	24.00	36.00	16.00	32.00	142.00	35.00	47.00	48.00	44.00	49.00
Zn	460.00	116.00	287.00	297.00	38.00	330.00	160.00	121.00	79.00	46.00	32.00	129.00
Zr	592.00	317.00	453.00	509.00	648.00	811.00	467.00	372.00	814.00	886.00	764.00	989.00

Sample	HK1323	HK1324	HK1325	HK1326	HK1327	HK1328	HK1329	HK1330	HK1331	HK1332	HK1333	HK1334
Ag	0.20	0.20	0.30	0.30	0.40	0.30	0.00	2.10	0.30	1.70	0.00	0.50
As	216.00	157.00	494.00	135.00	212.00	260.00	124.00	15.00	25.00	18.00	25.00	3.00
Ba	556.00	709.00	819.00	880.00	814.00	447.00	619.00	512.00	553.00	516.00	558.00	717.00
Bi	4.00	3.00	3.00	2.00	0.00	7.00	1.00	4.00	6.00	3.00	11.00	5.00
CaO	0.46	0.45	0.92	1.77	0.79	0.53	2.69	4.38	4.82	3.76	5.93	7.02
Cd	0.30	0.30	0.90	1.40	1.00	0.50	0.80	0.90	0.80	0.90	1.40	1.90
Ce	114.00	101.00	126.00	116.00	95.00	148.00	94.00	92.00	120.00	86.00	145.00	148.00
Co	10.00	11.00	16.00	7.00	9.00	8.00	6.00	5.00	12.00	9.00	18.00	17.00
Cr	50.00	137.00	162.00	43.00	136.00	25.00	39.00	40.00	69.00	73.00	65.00	97.00
Cs	20.00	21.00	10.00	21.00	12.00	9.00	9.00	6.00	8.00	16.00	18.00	10.00
Cu	18.90	18.40	23.90	15.40	21.50	44.50	82.80	138.30	81.60	57.00	18.30	22.50
Fe ₂ O ₃	6.19	7.14	8.04	6.79	6.16	4.85	4.34	3.93	7.28	5.54	8.69	9.43
Ga	15.00	19.00	21.00	17.00	18.00	23.00	15.00	12.00	16.00	13.00	23.00	25.00
Ge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hg	0.70	1.40	1.60	1.20	1.30	1.20	0.30	0.50	0.90	1.30	1.00	2.50
La	42.00	45.00	44.00	43.00	38.00	64.00	47.00	49.00	58.00	44.00	56.00	60.00
MnO	0.13	0.08	0.12	0.09	0.11	0.07	0.06	0.06	0.09	0.07	0.15	0.26
Mo	4.20	4.40	3.70	2.00	3.10	3.20	2.60	4.30	4.60	3.00	2.60	1.60
Nb	15.00	19.00	17.00	17.00	22.00	25.00	15.00	19.00	23.00	20.00	27.00	42.00
Ni	3.00	9.00	9.00	7.00	9.00	7.00	6.00	30.00	7.00	7.00	15.00	16.00
P ₂ O ₅	0.11	0.11	0.10	0.11	0.08	0.06	0.84	1.15	0.97	0.72	0.28	0.16
Pb	214.00	54.00	142.00	57.00	116.00	210.00	116.00	100.00	114.00	94.00	177.00	532.00
Rb	204.00	248.00	279.00	232.00	281.00	232.00	171.00	153.00	191.00	175.00	233.00	302.00
Sb	0.00	0.00	6.00	0.00	0.00	5.00	3.00	0.00	0.00	3.00	0.00	4.00
Sc	10.00	13.00	15.00	14.00	12.00	9.00	12.00	12.00	17.00	10.00	17.00	16.00
Se	0.70	1.00	1.00	0.90	0.80	0.50	0.60	0.50	0.90	0.60	1.00	1.30
Sn	10.00	10.00	10.00	5.00	10.00	17.00	12.00	99.00	154.00	76.00	172.00	1891.00
Sr	24.00	25.00	58.00	83.00	59.00	36.00	49.00	55.00	52.00	53.00	81.00	109.00
Th	29.00	27.00	25.00	30.00	31.00	56.00	27.00	28.00	25.00	26.00	32.00	41.00
TiO ₂	0.84	0.95	0.96	0.94	0.81	0.68	0.77	0.74	0.99	0.85	1.06	1.03
U	3.00	7.00	5.00	7.00	6.00	14.00	6.00	9.00	9.00	7.00	10.00	11.00
V	63.00	78.00	80.00	72.00	64.00	44.00	56.00	47.00	73.00	55.00	83.00	103.00
W	6.00	7.00	11.00	4.00	8.00	8.00	7.00	9.00	13.00	11.00	15.00	10.00
Y	32.00	24.00	24.00	34.00	23.00	73.00	34.00	35.00	40.00	31.00	33.00	35.00
Zn	107.00	83.00	131.00	79.00	141.00	169.00	279.00	381.00	347.00	232.00	240.00	342.00
Zr	502.00	491.00	418.00	819.00	596.00	423.00	406.00	1081.00	997.00	746.00	538.00	601.00

Sample	HK1335	HK1336	HK1337	HK1338	HK1339	HK1340	HK1341	HK1342	HK1343	HK1344	HK1345	HK1346
Ag	0.30	0.40	0.30	0.00	9.10	0.90	0.70	1.10	1.20	0.70	0.70	0.60
As	33.00	22.00	16.00	5.00	6.00	39.00	13.00	10.00	10.00	19.00	24.00	24.00
Ba	757.00	512.00	327.00	211.00	128.00	228.00	262.00	199.00	482.00	539.00	318.00	608.00
Bi	9.00	8.00	9.00	8.00	8.00	9.00	10.00	5.00	4.00	38.00	17.00	23.00
CaO	7.01	3.52	1.22	4.20	3.32	3.85	2.03	3.12	5.62	3.79	3.22	3.69
Cd	1.40	1.20	0.40	0.70	0.50	0.60	0.50	0.50	1.10	0.90	0.70	0.80
Ce	128.00	115.00	116.00	78.00	39.00	129.00	121.00	56.00	92.00	126.00	107.00	161.00
Co	12.00	10.00	9.00	4.00	3.00	7.00	10.00	4.00	7.00	15.00	6.00	15.00
Cr	42.00	20.00	27.00	27.00	9.00	23.00	40.00	14.00	28.00	47.00	25.00	38.00
Cs	11.00	13.00	8.00	1.00	5.00	7.00	0.00	2.00	20.00	23.00	12.00	24.00
Cu	20.50	14.60	23.20	38.40	8.70	37.00	21.00	16.70	13.20	22.90	16.30	26.10
Fe ₂ O ₃	6.94	4.17	4.92	2.40	0.41	6.85	4.98	1.42	3.13	8.71	4.44	8.46
Ga	17.00	20.00	19.00	8.00	6.00	8.00	25.00	6.00	16.00	31.00	30.00	34.00
Ge	0.00	2.00	0.00	2.00	2.00	3.00	3.00	2.00	2.00	0.00	0.00	3.00
Hg	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
La	57.00	43.00	32.00	22.00	11.00	32.00	42.00	13.00	35.00	51.00	38.00	57.00
MnO	0.18	0.06	0.08	0.14	0.08	0.25	0.10	0.11	0.08	0.17	0.18	0.13
Mo	2.60	3.20	2.50	2.00	1.20	8.70	10.00	2.30	1.70	16.90	9.60	12.90
Nb	18.00	24.00	17.00	29.00	2.00	20.00	29.00	11.00	21.00	29.00	38.00	26.00
Ni	10.00	2.00	5.00	0.00	0.00	6.00	16.00	0.00	9.00	16.00	14.00	17.00
P ₂ O ₅	0.16	0.06	0.09	0.04	0.04	0.05	0.11	0.04	0.12	0.14	0.12	0.14
Pb	86.00	137.00	112.00	203.00	92.00	428.00	101.00	153.00	103.00	144.00	182.00	143.00
Rb	277.00	186.00	160.00	79.00	62.00	84.00	380.00	84.00	208.00	406.00	355.00	330.00
Sb	0.00	9.00	4.00	4.00	3.00	4.00	0.00	2.00	3.00	0.00	3.00	0.00
Sc	14.00	13.00	15.00	6.00	3.00	6.00	10.00	2.00	9.00	21.00	9.00	17.00
Se	0.90	0.80	0.70	0.30	0.00	0.30	0.70	0.00	0.60	1.20	0.50	1.20
Sn	29.00	26.00	22.00	592.00	15.00	168.00	45.00	138.00	13.00	113.00	48.00	77.00
Sr	86.00	73.00	30.00	45.00	31.00	40.00	33.00	36.00	67.00	53.00	45.00	49.00
Th	27.00	30.00	36.00	24.00	11.00	29.00	58.00	11.00	32.00	49.00	56.00	47.00
TiO ₂	0.92	0.88	0.79	0.94	0.14	0.51	0.63	0.36	0.76	0.88	0.60	0.88
U	6.00	8.00	7.00	5.00	4.00	5.00	14.00	4.00	8.00	9.00	12.00	8.00
V	70.00	65.00	59.00	36.00	16.00	34.00	63.00	22.00	55.00	91.00	48.00	96.00
W	23.00	9.00	4.00	19.00	0.00	35.00	14.00	7.00	9.00	38.00	23.00	21.00
Y	34.00	28.00	24.00	32.00	20.00	36.00	59.00	21.00	30.00	40.00	45.00	39.00
Zn	224.00	120.00	145.00	95.00	52.00	113.00	145.00	70.00	262.00	209.00	188.00	212.00
Zr	497.00	824.00	574.00	588.00	51.00	166.00	500.00	155.00	718.00	445.00	535.00	435.00

Sample	HK1347	HK1348	HK1349	HK1350	HK1351	HK1352	HK1353	HK1354	HK1355	HK1356	HK1357	HK1358
Ag	0.20	0.40	0.30	0.70	0.00	0.50	0.00	0.00	1.20	0.00	0.00	0.70
As	13.00	19.00	12.00	5.00	17.00	12.00	0.00	0.00	0.00	0.00	15.00	11.00
Ba	563.00	595.00	378.00	146.00	158.00	125.00	58.00	88.00	116.00	92.00	125.00	118.00
Bi	21.00	47.00	33.00	15.00	22.00	17.00	17.00	12.00	7.00	8.00	19.00	18.00
CaO	3.46	4.87	3.09	0.86	0.71	0.79	0.40	0.62	0.84	0.48	1.91	1.07
Cd	0.80	1.10	0.60	0.20	0.20	0.20	0.00	0.00	0.00	0.00	0.20	0.20
Ce	114.00	114.00	98.00	51.00	108.00	65.00	75.00	125.00	150.00	125.00	135.00	59.00
Co	24.00	15.00	8.00	6.00	4.00	3.00	3.00	0.00	0.00	3.00	0.00	0.00
Cr	51.00	50.00	32.00	24.00	33.00	154.00	15.00	14.00	12.00	17.00	24.00	21.00
Cs	26.00	9.00	11.00	11.00	9.00	10.00	11.00	15.00	7.00	9.00	12.00	12.00
Cu	25.20	33.50	23.80	9.20	13.40	8.40	7.70	17.10	11.40	17.10	16.60	11.50
Fe ₂ O ₃	11.40	9.37	4.88	2.10	6.05	2.20	0.00	3.21	2.06	3.28	6.17	2.13
Ga	25.00	27.00	26.00	20.00	44.00	28.00	21.00	37.00	36.00	34.00	52.00	31.00
Ge	0.00	0.00	1.00	0.00	1.00	2.00	2.00	4.00	0.00	3.00	3.00	3.00
Hg	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00
La	72.00	64.00	33.00	14.00	29.00	16.00	21.00	17.00	78.00	19.00	17.00	11.00
MnO	0.21	0.18	0.08	0.04	0.05	0.05	0.03	0.05	0.05	0.05	0.04	0.07
Mo	21.90	21.10	13.20	5.70	9.70	4.90	2.80	2.40	1.50	2.90	6.90	5.80
Nb	20.00	22.00	37.00	43.00	59.00	50.00	50.00	84.00	78.00	74.00	59.00	58.00
Ni	12.00	19.00	10.00	14.00	18.00	15.00	20.00	10.00	32.00	11.00	10.00	15.00
P ₂ O ₅	0.17	0.13	0.12	0.04	0.07	0.04	0.03	0.02	0.03	0.03	0.05	0.06
Pb	107.00	107.00	101.00	49.00	99.00	58.00	53.00	146.00	172.00	132.00	93.00	82.00
Rb	331.00	358.00	307.00	357.00	296.00	476.00	551.00	290.00	384.00	301.00	273.00	463.00
Sb	6.00	6.00	2.00	2.00	0.00	7.00	1.00	0.00	2.00	0.00	0.00	1.00
Sc	26.00	22.00	11.00	10.00	8.00	8.00	4.00	6.00	10.00	9.00	11.00	9.00
Se	1.80	1.60	0.80	0.40	0.50	0.20	0.00	0.00	0.00	0.00	0.30	0.20
Sn	49.00	136.00	137.00	65.00	32.00	35.00	123.00	637.00	668.00	457.00	47.00	61.00
Sr	48.00	66.00	39.00	15.00	16.00	19.00	10.00	8.00	14.00	8.00	19.00	16.00
Th	34.00	38.00	58.00	45.00	93.00	54.00	65.00	100.00	105.00	98.00	121.00	53.00
TiO ₂	1.30	1.12	0.75	0.50	0.53	0.36	0.20	0.31	0.29	0.31	0.42	0.31
U	7.00	8.00	17.00	16.00	15.00	12.00	34.00	23.00	24.00	22.00	8.00	17.00
V	133.00	118.00	64.00	39.00	46.00	26.00	12.00	17.00	17.00	17.00	31.00	24.00
W	29.00	68.00	43.00	15.00	19.00	17.00	20.00	16.00	23.00	14.00	13.00	15.00
Y	42.00	35.00	51.00	49.00	62.00	45.00	82.00	74.00	252.00	81.00	42.00	75.00
Zn	223.00	227.00	142.00	52.00	79.00	54.00	35.00	100.00	115.00	112.00	135.00	73.00
Zr	717.00	711.00	864.00	846.00	393.00	498.00	1400.00	1272.00	1065.00	1181.00	239.00	525.00

Sample	HK1359	HK1360	HK1361	HK1362	HK1363	HK1364	HK1365	HK1366	HK1367	HK1368	HK1369	HK1370
Ag	0.60	0.80	1.30	0.70	0.00	1.00	0.30	0.00	0.00	0.00	0.50	0.00
As	8.00	15.00	21.00	14.00	13.00	0.00	13.00	20.00	11.00	6.00	9.00	15.00
Ba	499.00	155.00	140.00	181.00	222.00	33.00	171.00	141.00	173.00	58.00	871.00	143.00
Bi	17.00	5.00	8.00	6.00	5.00	1.00	4.00	5.00	2.00	6.00	2.00	6.00
CaO	2.70	1.34	1.36	1.05	1.03	0.33	1.02	0.92	1.43	0.49	2.41	0.90
Cd	0.50	0.40	0.20	0.30	0.40	0.00	0.30	0.20	0.30	0.00	1.50	0.20
Ce	89.00	119.00	154.00	123.00	171.00	44.00	116.00	152.00	143.00	84.00	185.00	122.00
Co	17.00	5.00	4.00	5.00	6.00	0.00	6.00	3.00	4.00	0.00	10.00	6.00
Cr	92.00	23.00	15.00	28.00	20.00	12.00	14.00	23.00	61.00	14.00	13.00	14.00
Cs	15.00	16.00	16.00	10.00	20.00	0.00	20.00	13.00	14.00	7.00	18.00	11.00
Cu	17.50	10.80	8.80	13.00	12.90	1.10	8.60	7.40	12.90	8.10	9.80	14.00
Fe ₂ O ₃	9.07	3.36	2.76	1.89	3.29	0.00	1.85	2.20	3.15	0.86	7.39	1.58
Ga	28.00	42.00	41.00	32.00	36.00	5.00	29.00	36.00	29.00	8.00	24.00	28.00
Ge	2.00	4.00	3.00	3.00	4.00	2.00	3.00	0.00	1.00	1.00	0.00	2.00
Hg	0.90	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.30	0.00	0.70	0.00
La	38.00	30.00	47.00	26.00	50.00	13.00	40.00	53.00	51.00	28.00	83.00	24.00
MnO	0.19	0.13	0.10	0.12	0.10	0.03	0.09	0.05	0.07	0.06	0.20	0.07
Mo	10.40	2.60	1.80	1.90	1.00	0.00	0.90	2.30	0.70	1.40	1.10	1.70
Nb	34.00	69.00	70.00	48.00	48.00	4.00	47.00	50.00	44.00	35.00	29.00	37.00
Ni	23.00	23.00	23.00	15.00	14.00	0.00	13.00	16.00	18.00	0.00	0.00	10.00
P ₂ O ₅	0.10	0.04	0.03	0.04	0.03	0.02	0.03	0.03	0.04	0.02	0.20	0.04
Pb	91.00	137.00	155.00	113.00	103.00	15.00	109.00	162.00	89.00	58.00	36.00	75.00
Rb	440.00	521.00	614.00	513.00	480.00	146.00	569.00	527.00	499.00	218.00	159.00	456.00
Sb	4.00	2.00	2.00	2.00	2.00	0.00	4.00	0.00	0.00	0.00	5.00	4.00
Sc	17.00	11.00	7.00	5.00	7.00	3.00	7.00	9.00	10.00	1.00	17.00	11.00
Se	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.40	0.00	0.70	0.00
Sn	52.00	61.00	50.00	36.00	28.00	12.00	27.00	27.00	18.00	26.00	8.00	20.00
Sr	35.00	27.00	18.00	22.00	28.00	6.00	24.00	15.00	25.00	9.00	90.00	17.00
Th	35.00	81.00	92.00	72.00	87.00	21.00	67.00	96.00	74.00	48.00	33.00	61.00
TiO ₂	1.05	0.24	0.28	0.23	0.32	0.04	0.24	0.27	0.36	0.18	0.96	0.23
U	16.00	14.00	19.00	18.00	14.00	6.00	17.00	15.00	14.00	8.00	6.00	9.00
V	108.00	19.00	20.00	16.00	19.00	8.00	17.00	21.00	37.00	10.00	58.00	17.00
W	15.00	16.00	22.00	12.00	11.00	7.00	11.00	9.00	5.00	11.00	13.00	7.00
Y	50.00	79.00	109.00	55.00	50.00	14.00	56.00	66.00	56.00	33.00	36.00	28.00
Zn	137.00	101.00	70.00	82.00	74.00	14.00	57.00	63.00	67.00	26.00	93.00	55.00
Zr	537.00	278.00	521.00	568.00	352.00	192.00	638.00	426.00	446.00	182.00	939.00	255.00

Sample	HK1371	HK1372	HK1373	HK1374	HK1375	HK1376	HK1377	HK1378	HK1379	HK1380	HK1381	HK1382
Ag	0.00	0.00	0.30	0.30	0.40	0.00	0.20	0.30	0.20	0.00	1.00	0.00
As	14.00	1.00	12.00	14.00	11.00	0.00	18.00	13.00	13.00	0.00	17.00	0.00
Ba	102.00	0.00	106.00	122.00	120.00	0.00	90.00	70.00	196.00	0.00	64.00	13.00
Bi	6.00	0.00	9.00	13.00	14.00	0.00	17.00	17.00	19.00	5.00	5.00	1.00
CaO	1.10	0.23	0.66	0.75	0.73	0.21	0.81	0.94	0.97	0.24	0.48	0.29
Cd	0.00	0.00	0.20	0.20	0.20	0.00	0.00	0.00	0.20	0.00	0.00	0.00
Ce	112.00	18.00	63.00	86.00	87.00	26.00	144.00	75.00	88.00	22.00	114.00	17.00
Co	0.00	0.00	4.00	4.00	3.00	0.00	5.00	3.00	3.00	0.00	5.00	0.00
Cr	39.00	4.00	119.00	116.00	26.00	6.00	30.00	40.00	27.00	6.00	80.00	8.00
Cs	16.00	4.00	20.00	9.00	14.00	0.00	5.00	17.00	11.00	2.00	19.00	10.00
Cu	13.40	1.80	9.00	11.30	8.10	2.20	10.90	7.40	22.70	6.20	6.10	1.30
Fe ₂ O ₃	2.65	0.00	1.15	2.72	3.20	0.00	3.39	2.99	6.04	0.00	2.31	0.00
Ga	38.00	5.00	29.00	34.00	37.00	3.00	43.00	36.00	47.00	4.00	39.00	4.00
Ge	3.00	2.00	3.00	5.00	3.00	0.00	2.00	2.00	3.00	2.00	3.00	2.00
Hg	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
La	27.00	0.00	11.00	22.00	18.00	7.00	18.00	11.00	22.00	7.00	9.00	0.00
MnO	0.09	0.02	0.04	0.06	0.04	0.02	0.06	0.04	0.05	0.03	0.05	0.05
Mo	2.10	0.60	2.90	3.50	4.00	0.70	8.50	6.80	12.60	0.60	2.90	1.20
Nb	66.00	6.00	50.00	62.00	65.00	4.00	68.00	60.00	57.00	18.00	62.00	0.00
Ni	21.00	0.00	17.00	22.00	19.00	0.00	12.00	11.00	12.00	0.00	7.00	0.00
P ₂ O ₅	0.04	0.02	0.04	0.05	0.04	0.01	0.03	0.05	0.06	0.02	0.02	0.02
Pb	108.00	16.00	50.00	73.00	67.00	11.00	74.00	65.00	79.00	39.00	84.00	13.00
Rb	480.00	111.00	588.00	467.00	455.00	63.00	363.00	355.00	290.00	132.00	420.00	115.00
Sb	0.00	3.00	1.00	4.00	1.00	2.00	2.00	4.00	6.00	3.00	5.00	3.00
Sc	5.00	0.00	6.00	4.00	4.00	1.00	9.00	9.00	12.00	0.00	9.00	0.00
Se	0.20	0.00	0.00	0.20	0.20	0.00	0.20	0.00	0.50	0.00	0.00	0.00
Sn	46.00	9.00	33.00	52.00	52.00	78.00	47.00	27.00	77.00	36.00	37.00	4.00
Sr	14.00	5.00	16.00	15.00	15.00	3.00	11.00	14.00	19.00	4.00	8.00	3.00
Th	77.00	10.00	51.00	73.00	74.00	9.00	103.00	79.00	69.00	9.00	87.00	5.00
TiO ₂	0.23	0.02	0.25	0.33	0.36	0.02	0.27	0.24	0.52	0.09	0.19	0.02
U	13.00	2.00	19.00	21.00	19.00	5.00	20.00	19.00	8.00	5.00	9.00	4.00
V	24.00	4.00	19.00	29.00	29.00	5.00	24.00	21.00	48.00	4.00	16.00	7.00
W	12.00	0.00	11.00	11.00	18.00	0.00	19.00	15.00	15.00	6.00	17.00	0.00
Y	98.00	14.00	63.00	80.00	80.00	16.00	53.00	53.00	45.00	23.00	25.00	10.00
Zn	85.00	17.00	45.00	64.00	60.00	11.00	77.00	62.00	91.00	16.00	50.00	11.00
Zr	311.00	70.00	530.00	651.00	654.00	109.00	694.00	599.00	240.00	92.00	410.00	117.00

Sample	HK1383	HK1384	HK1385	HK1386	HK1387	HK1388	HK1389	HK1390	HK1391	HK1392	HK1393	HK1394
Ag	1.00	1.00	0.90	0.70	0.60	0.60	0.50	0.00	1.30	1.60	0.90	1.90
As	15.00	9.00	9.00	8.00	23.00	13.00	8.00	14.00	23.00	15.00	20.00	11.00
Ba	80.00	89.00	103.00	84.00	120.00	91.00	152.00	126.00	200.00	832.00	142.00	891.00
Bi	15.00	9.00	8.00	10.00	11.00	12.00	4.00	5.00	6.00	0.00	6.00	5.00
CaO	0.76	0.73	0.60	0.88	0.98	1.30	0.72	3.21	2.98	2.24	2.17	2.77
Cd	0.00	0.00	0.00	0.00	0.00	0.50	0.00	0.30	0.50	1.60	0.30	2.60
Ce	85.00	79.00	86.00	109.00	149.00	89.00	107.00	116.00	157.00	180.00	133.00	208.00
Co	3.00	0.00	3.00	4.00	6.00	4.00	4.00	4.00	5.00	12.00	4.00	12.00
Cr	66.00	22.00	27.00	19.00	32.00	153.00	51.00	33.00	70.00	30.00	41.00	32.00
Cs	18.00	7.00	7.00	16.00	3.00	16.00	20.00	8.00	3.00	8.00	18.00	7.00
Cu	6.80	5.50	4.50	11.50	8.80	14.30	6.30	10.30	15.30	8.30	12.30	11.80
Fe ₂ O ₃	3.05	3.39	2.74	1.82	7.22	1.38	1.47	1.04	3.83	8.01	2.63	7.68
Ga	35.00	39.00	29.00	26.00	30.00	25.00	28.00	27.00	35.00	22.00	28.00	21.00
Ge	2.00	2.00	1.00	3.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hg	0.00	0.00	0.00	0.00	0.00	1.10	0.00	0.00	0.80	1.80	1.50	2.60
La	14.00	10.00	10.00	18.00	20.00	23.00	24.00	40.00	48.00	75.00	37.00	94.00
MnO	0.06	0.04	0.04	0.07	0.19	0.06	0.05	0.04	0.11	0.18	0.09	0.23
Mo	4.20	5.20	2.90	3.10	3.10	1.80	3.10	1.00	1.90	1.70	1.50	2.30
Nb	54.00	56.00	43.00	47.00	43.00	69.00	50.00	48.00	69.00	34.00	58.00	30.00
Ni	11.00	10.00	5.00	8.00	3.00	29.00	16.00	16.00	25.00	3.00	20.00	4.00
P ₂ O ₅	0.03	0.03	0.02	0.04	0.05	0.03	0.03	0.47	0.33	0.18	0.31	0.21
Pb	66.00	46.00	56.00	71.00	91.00	91.00	83.00	92.00	169.00	35.00	126.00	51.00
Rb	349.00	286.00	270.00	326.00	183.00	729.00	587.00	425.00	594.00	178.00	569.00	188.00
Sb	2.00	3.00	0.00	0.00	3.00	0.00	0.00	0.00	2.00	0.00	0.00	7.00
Sc	6.00	9.00	8.00	5.00	8.00	4.00	9.00	7.00	6.00	14.00	7.00	18.00
Se	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.60	0.00	0.70
Sn	56.00	36.00	32.00	126.00	41.00	241.00	70.00	28.00	86.00	3.00	57.00	10.00
Sr	12.00	10.00	10.00	11.00	12.00	32.00	14.00	23.00	33.00	93.00	24.00	148.00
Th	80.00	83.00	71.00	57.00	83.00	64.00	64.00	63.00	96.00	28.00	74.00	32.00
TiO ₂	0.26	0.29	0.27	0.21	0.36	0.23	0.22	0.27	0.30	0.98	0.23	1.04
U	12.00	8.00	8.00	13.00	13.00	23.00	20.00	11.00	24.00	5.00	22.00	7.00
V	19.00	22.00	21.00	13.00	26.00	21.00	18.00	21.00	23.00	56.00	16.00	63.00
W	14.00	13.00	13.00	21.00	19.00	16.00	15.00	9.00	17.00	12.00	14.00	9.00
Y	40.00	36.00	37.00	42.00	34.00	63.00	48.00	77.00	100.00	37.00	81.00	37.00
Zn	65.00	56.00	53.00	73.00	59.00	79.00	59.00	76.00	160.00	97.00	90.00	120.00
Zr	322.00	260.00	285.00	476.00	354.00	935.00	885.00	295.00	824.00	619.00	724.00	1380.00

Sample	HK1395	HK1396	HK1397	HK1398	HK1399	HK1400	HK1401	HK1402	HK1403	HK1404	HK1405	HK1406
Ag	0.20	1.10	1.30	1.60	0.50	3.20	0.60	0.50	0.40	1.10	0.00	0.00
As	2.00	12.00	12.00	9.00	5.00	43.00	28.00	24.00	17.00	9.00	14.00	12.00
Ba	12.00	355.00	234.00	845.00	433.00	442.00	543.00	165.00	121.00	577.00	293.00	926.00
Bi	1.00	5.00	3.00	3.00	2.00	5.00	15.00	7.00	0.00	2.00	6.00	4.00
CaO	0.25	1.48	0.96	1.79	0.59	9.92	4.46	4.46	0.50	1.81	1.20	3.02
Cd	0.00	0.50	0.30	1.30	0.40	0.90	1.00	0.50	0.00	1.50	0.30	2.50
Ce	26.00	201.00	181.00	153.00	27.00	104.00	151.00	155.00	79.00	127.00	186.00	209.00
Co	0.00	4.00	6.00	11.00	0.00	12.00	11.00	4.00	5.00	11.00	6.00	13.00
Cr	9.00	70.00	24.00	16.00	17.00	44.00	40.00	22.00	18.00	35.00	18.00	25.00
Cs	11.00	7.00	0.00	5.00	0.00	0.00	21.00	11.00	2.00	0.00	7.00	16.00
Cu	0.00	8.40	10.80	6.50	2.10	29.10	19.30	15.20	220.40	25.60	0.80	10.80
Fe ₂ O ₃	0.00	4.20	4.95	6.08	0.63	10.82	7.15	2.69	13.07	20.02	3.95	7.71
Ga	5.00	19.00	21.00	20.00	4.00	17.00	20.00	31.00	10.00	9.00	18.00	20.00
Ge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hg	0.00	1.00	0.90	1.50	0.60	0.30	2.20	0.70	4.70	8.40	0.40	1.50
La	0.00	48.00	41.00	48.00	5.00	42.00	50.00	52.00	27.00	57.00	47.00	104.00
MnO	0.02	0.07	0.06	0.15	0.03	0.51	0.13	0.08	0.11	0.22	0.04	0.25
Mo	0.30	4.20	2.70	1.60	1.50	6.00	3.30	1.30	3.50	4.50	3.90	2.60
Nb	14.00	48.00	43.00	37.00	3.00	13.00	28.00	55.00	40.00	32.00	41.00	31.00
Ni	0.00	0.00	0.00	2.00	0.00	9.00	9.00	23.00	3.00	0.00	0.00	0.00
P ₂ O ₅	0.01	0.09	0.07	0.12	0.02	0.65	0.19	0.83	0.04	0.09	0.08	0.21
Pb	17.00	41.00	36.00	50.00	4.00	59.00	147.00	132.00	38.00	26.00	33.00	45.00
Rb	210.00	157.00	92.00	200.00	66.00	91.00	236.00	522.00	111.00	85.00	92.00	183.00
Sb	0.00	0.00	2.00	0.00	2.00	1.00	3.00	4.00	4.00	2.00	6.00	3.00
Sc	0.00	10.00	9.00	8.00	3.00	13.00	19.00	7.00	12.00	9.00	9.00	14.00
Se	0.00	0.30	0.30	0.40	0.00	0.50	1.10	0.20	0.00	2.10	0.40	0.80
Sn	9.00	9.00	4.00	3.00	11.00	7.00	25.00	39.00	158.00	3.00	6.00	5.00
Sr	5.00	34.00	24.00	78.00	30.00	58.00	63.00	31.00	12.00	87.00	22.00	145.00
Th	13.00	54.00	53.00	38.00	8.00	28.00	41.00	85.00	17.00	25.00	47.00	33.00
TiO ₂	0.02	0.65	0.65	0.78	0.26	0.38	1.03	0.28	0.33	2.40	0.78	1.07
U	4.00	12.00	10.00	4.00	3.00	10.00	9.00	15.00	4.00	4.00	10.00	7.00
V	9.00	32.00	33.00	43.00	16.00	44.00	87.00	26.00	12.00	213.00	40.00	64.00
W	0.00	5.00	2.00	6.00	0.00	5.00	23.00	16.00	4.00	4.00	3.00	11.00
Y	15.00	42.00	30.00	25.00	8.00	47.00	32.00	101.00	28.00	21.00	42.00	38.00
Zn	10.00	72.00	48.00	102.00	26.00	448.00	283.00	144.00	119.00	197.00	49.00	119.00
Zr	69.00	2580.00	1111.00	560.00	344.00	137.00	755.00	473.00	355.00	1169.00	2358.00	1389.00

Sample	HK1407	HK1408	HK1409	HK1410	HK1411	HK1412	HK1413	HK1414	HK1415	HK1416	HK1417	HK1418
Ag	0.40	0.00	0.20	0.00	0.00	0.30	0.20	0.30	0.20	0.40	0.00	0.20
As	17.00	3.00	19.00	9.00	11.00	7.00	21.00	17.00	15.00	17.00	14.00	17.00
Ba	143.00	62.00	131.00	309.00	253.00	319.00	568.00	758.00	770.00	746.00	815.00	783.00
Bi	14.00	2.00	7.00	2.00	0.00	4.00	7.00	0.00	2.00	3.00	1.00	3.00
CaO	0.88	0.26	0.92	1.33	1.74	1.97	4.35	1.21	1.11	1.16	1.45	0.83
Cd	0.20	0.00	0.20	0.50	0.30	0.50	1.20	0.60	0.50	0.50	0.50	0.50
Ce	96.00	20.00	112.00	163.00	161.00	196.00	125.00	128.00	118.00	109.00	109.00	99.00
Co	5.00	0.00	7.00	6.00	4.00	8.00	16.00	15.00	10.00	12.00	10.00	11.00
Cr	39.00	7.00	17.00	21.00	9.00	12.00	32.00	15.00	16.00	15.00	14.00	17.00
Cs	15.00	2.00	15.00	5.00	6.00	10.00	10.00	17.00	15.00	14.00	13.00	15.00
Cu	10.50	0.00	12.10	4.70	2.00	5.20	22.50	6.40	7.80	9.90	9.50	10.20
Fe ₂ O ₃	4.16	0.00	2.35	4.62	2.39	6.36	7.76	5.46	5.39	5.82	6.08	6.16
Ga	39.00	2.00	38.00	15.00	15.00	18.00	22.00	18.00	18.00	19.00	19.00	20.00
Ge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hg	0.70	0.00	0.90	1.60	0.90	1.00	2.40	0.50	1.50	1.20	2.40	1.80
La	23.00	7.00	16.00	56.00	88.00	62.00	50.00	57.00	58.00	50.00	54.00	51.00
MnO	0.06	0.01	0.12	0.12	0.16	0.28	0.27	0.10	0.09	0.10	0.11	0.10
Mo	4.20	1.10	1.40	2.20	2.30	2.80	2.30	2.00	1.60	1.80	1.50	1.50
Nb	69.00	0.00	61.00	43.00	41.00	37.00	25.00	18.00	20.00	24.00	21.00	21.00
Ni	21.00	0.00	16.00	0.00	0.00	0.00	12.00	3.00	3.00	6.00	7.00	8.00
P ₂ O ₅	0.06	0.02	0.03	0.09	0.10	0.13	0.18	0.10	0.10	0.12	0.13	0.11
Pb	83.00	5.00	124.00	43.00	45.00	62.00	119.00	32.00	37.00	30.00	40.00	32.00
Rb	447.00	16.00	551.00	123.00	135.00	138.00	223.00	219.00	229.00	268.00	270.00	286.00
Sb	4.00	5.00	2.00	0.00	1.00	2.00	0.00	0.00	2.00	5.00	1.00	0.00
Sc	6.00	0.00	10.00	15.00	11.00	14.00	18.00	13.00	12.00	16.00	11.00	13.00
Se	0.30	0.00	0.00	0.50	0.00	0.40	1.00	0.70	0.60	0.80	0.70	0.80
Sn	38.00	4.00	36.00	8.00	9.00	8.00	30.00	7.00	9.00	6.00	10.00	8.00
Sr	17.00	7.00	15.00	31.00	21.00	33.00	72.00	38.00	33.00	34.00	32.00	35.00
Th	86.00	4.00	82.00	26.00	31.00	36.00	37.00	30.00	36.00	36.00	32.00	33.00
TiO ₂	0.40	0.13	0.20	0.73	0.45	0.59	0.98	0.96	0.95	0.99	0.92	0.96
U	15.00	0.00	14.00	8.00	7.00	6.00	8.00	9.00	9.00	7.00	8.00	8.00
V	33.00	9.00	13.00	48.00	23.00	40.00	78.00	57.00	56.00	67.00	61.00	65.00
W	18.00	0.00	14.00	8.00	7.00	4.00	12.00	15.00	16.00	12.00	14.00	10.00
Y	83.00	10.00	47.00	39.00	50.00	45.00	31.00	37.00	38.00	39.00	38.00	36.00
Zn	70.00	13.00	109.00	70.00	78.00	104.00	271.00	97.00	87.00	82.00	94.00	83.00
Zr	364.00	101.00	238.00	497.00	388.00	413.00	606.00	889.00	674.00	826.00	495.00	486.00

Sample	HK1419	HK1420	HK1421	HK1422	HK1423	HK1424	HK1425	HK1426	HK1427	HK1428	HK1429	HK1430
Ag	0.00	0.00	0.00	1.10	0.80	0.00	0.60	0.70	1.00	0.60	0.50	0.50
As	12.00	11.00	55.00	51.00	46.00	21.00	22.00	18.00	30.00	33.00	10.00	13.00
Ba	532.00	543.00	528.00	551.00	527.00	655.00	582.00	282.00	476.00	86.00	568.00	137.00
Bi	1.00	2.00	3.00	7.00	6.00	7.00	2.00	6.00	4.00	9.00	4.00	6.00
CaO	0.55	0.50	6.26	5.39	5.57	3.90	4.32	2.96	2.66	0.78	2.08	0.74
Cd	0.30	0.30	1.20	1.20	1.20	1.20	1.30	0.70	0.70	0.00	0.40	0.20
Ce	96.00	118.00	134.00	136.00	148.00	112.00	109.00	117.00	149.00	126.00	68.00	139.00
Co	4.00	9.00	16.00	14.00	11.00	16.00	11.00	12.00	19.00	5.00	5.00	0.00
Cr	15.00	14.00	34.00	35.00	40.00	53.00	91.00	63.00	63.00	13.00	22.00	48.00
Cs	10.00	17.00	9.00	0.00	7.00	10.00	3.00	0.00	3.00	11.00	12.00	12.00
Cu	7.50	7.70	25.80	49.90	56.90	22.70	22.00	16.70	21.20	14.40	23.00	7.10
Fe ₂ O ₃	5.16	6.01	7.37	8.18	7.71	8.22	7.60	4.77	7.52	2.19	6.68	2.79
Ga	20.00	21.00	26.00	23.00	22.00	21.00	20.00	16.00	23.00	40.00	23.00	34.00
Ge	0.00	0.00	3.00	4.00	2.00	1.00	2.00	3.00	4.00	2.00	0.00	5.00
Hg	1.20	1.70	1.10	0.40	0.40	1.10	0.50	0.50	0.20	0.00	0.90	0.00
La	38.00	65.00	54.00	62.00	69.00	55.00	52.00	78.00	102.00	28.00	64.00	44.00
MnO	0.04	0.05	0.27	0.25	0.22	0.26	0.23	0.11	0.18	0.08	0.15	0.06
Mo	1.70	1.60	2.70	2.80	2.50	2.40	2.40	2.30	1.60	2.00	2.90	1.70
Nb	17.00	19.00	20.00	23.00	21.00	20.00	20.00	27.00	22.00	76.00	15.00	62.00
Ni	2.00	7.00	11.00	13.00	11.00	6.00	6.00	8.00	12.00	19.00	12.00	13.00
P ₂ O ₅	0.06	0.08	0.22	0.18	0.21	0.16	0.14	0.07	0.11	0.03	0.05	0.04
Pb	18.00	22.00	194.00	335.00	301.00	157.00	141.00	102.00	176.00	189.00	76.00	85.00
Rb	249.00	263.00	255.00	303.00	283.00	200.00	189.00	85.00	141.00	552.00	277.00	405.00
Sb	0.00	1.00	7.00	2.00	0.00	2.00	2.00	0.00	2.00	6.00	4.00	2.00
Sc	10.00	17.00	16.00	16.00	18.00	18.00	15.00	13.00	16.00	10.00	11.00	10.00
Se	0.50	0.70	0.90	0.90	0.80	1.00	1.00	0.80	0.90	0.00	0.70	0.00
Sn	4.00	9.00	24.00	77.00	83.00	71.00	103.00	68.00	37.00	76.00	7.00	106.00
Sr	22.00	22.00	73.00	75.00	74.00	72.00	76.00	42.00	43.00	11.00	30.00	17.00
Th	34.00	37.00	27.00	40.00	44.00	25.00	23.00	26.00	34.00	95.00	25.00	90.00
TiO ₂	0.77	0.81	0.91	0.92	0.86	1.03	0.97	1.12	1.04	0.19	0.81	0.34
U	6.00	7.00	9.00	10.00	11.00	7.00	5.00	7.00	6.00	29.00	5.00	18.00
V	49.00	58.00	72.00	75.00	67.00	83.00	78.00	68.00	73.00	12.00	60.00	22.00
W	8.00	8.00	11.00	12.00	7.00	13.00	9.00	8.00	14.00	19.00	6.00	15.00
Y	21.00	22.00	26.00	42.00	47.00	29.00	32.00	49.00	54.00	90.00	34.00	85.00
Zn	64.00	75.00	332.00	382.00	387.00	433.00	410.00	180.00	320.00	99.00	204.00	71.00
Zr	463.00	291.00	577.00	313.00	382.00	528.00	538.00	1009.00	343.00	1261.00	167.00	1042.00

Sample	HK1431	HK1432	HK1433	HK1434	HK1435	HK1436	HK1437	HK1438	HK1439	HK1440	HK1441	HK1442
Ag	0.60	0.00	1.00	0.00	0.30	0.40	0.40	0.40	0.30	0.20	0.20	0.50
As	2.00	18.00	15.00	14.00	21.00	13.00	8.00	16.00	7.00	12.00	10.00	27.00
Ba	79.00	121.00	124.00	97.00	137.00	107.00	98.00	68.00	76.00	115.00	61.00	80.00
Bi	7.00	26.00	19.00	7.00	2.00	10.00	5.00	8.00	9.00	3.00	7.00	3.00
CaO	0.47	1.07	1.20	1.51	0.92	0.76	0.55	0.49	0.59	0.42	0.39	0.49
Cd	0.00	0.30	0.60	0.30	0.30	0.20	0.00	0.00	0.00	0.00	0.00	0.00
Ce	107.00	109.00	90.00	87.00	102.00	193.00	127.00	126.00	119.00	212.00	85.00	246.00
Co	5.00	6.00	4.00	3.00	5.00	4.00	0.00	0.00	3.00	0.00	0.00	0.00
Cr	175.00	153.00	69.00	52.00	8.00	111.00	13.00	12.00	14.00	15.00	6.00	12.00
Cs	21.00	11.00	0.00	13.00	8.00	17.00	13.00	15.00	14.00	13.00	21.00	14.00
Cu	12.50	15.00	14.10	12.70	9.90	10.60	8.10	5.20	7.20	10.20	4.20	5.90
Fe ₂ O ₃	1.69	1.91	1.81	2.79	1.75	1.77	0.32	2.18	3.48	2.57	1.47	3.22
Ga	31.00	32.00	27.00	33.00	33.00	27.00	28.00	32.00	37.00	32.00	29.00	35.00
Ge	4.00	4.00	5.00	3.00	4.00	3.00	2.00	2.00	1.00	2.00	2.00	0.00
Hg	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
La	15.00	27.00	22.00	28.00	27.00	61.00	26.00	14.00	7.00	29.00	0.00	31.00
MnO	0.04	0.13	0.11	0.09	0.07	0.06	0.02	0.04	0.03	0.03	0.05	0.07
Mo	2.30	12.70	4.90	2.20	2.60	2.70	2.10	5.30	4.80	3.30	2.60	2.50
Nb	66.00	60.00	55.00	58.00	64.00	72.00	77.00	60.00	62.00	55.00	57.00	61.00
Ni	12.00	24.00	22.00	18.00	18.00	25.00	23.00	4.00	4.00	6.00	6.00	0.00
P ₂ O ₅	0.02	0.04	0.04	0.04	0.03	0.05	0.03	0.02	0.03	0.02	0.02	0.02
Pb	68.00	105.00	134.00	138.00	133.00	123.00	89.00	93.00	53.00	94.00	81.00	177.00
Rb	363.00	588.00	597.00	551.00	606.00	523.00	582.00	213.00	192.00	278.00	235.00	168.00
Sb	0.00	2.00	1.00	0.00	0.00	0.00	4.00	2.00	0.00	0.00	3.00	1.00
Sc	8.00	8.00	3.00	6.00	4.00	9.00	6.00	9.00	9.00	8.00	5.00	10.00
Se	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20
Sn	147.00	205.00	257.00	79.00	39.00	100.00	71.00	27.00	101.00	15.00	25.00	20.00
Sr	9.00	21.00	37.00	24.00	20.00	16.00	14.00	8.00	10.00	11.00	8.00	10.00
Th	80.00	72.00	55.00	71.00	60.00	116.00	89.00	80.00	83.00	78.00	81.00	113.00
TiO ₂	0.24	0.22	0.25	0.24	0.22	0.24	0.27	0.23	0.25	0.31	0.18	0.30
U	21.00	25.00	24.00	21.00	19.00	36.00	32.00	8.00	10.00	6.00	9.00	7.00
V	17.00	19.00	21.00	20.00	15.00	15.00	11.00	15.00	19.00	18.00	11.00	17.00
W	13.00	41.00	33.00	13.00	12.00	22.00	18.00	11.00	6.00	17.00	13.00	13.00
Y	54.00	75.00	75.00	67.00	73.00	131.00	103.00	50.00	43.00	57.00	52.00	42.00
Zn	71.00	84.00	109.00	82.00	125.00	90.00	52.00	43.00	44.00	44.00	38.00	38.00
Zr	1168.00	754.00	736.00	528.00	470.00	1697.00	1796.00	410.00	354.00	502.00	458.00	477.00

Sample	HK1443	HK1444	HK1445	HK1446	HK1447	HK1448	HK1449	HK1450	HK1451	HK1452	HK1453	HK1454
Ag	0.50	0.00	0.00	0.00	0.20	0.40	0.30	0.30	0.90	0.00	0.50	0.50
As	23.00	20.00	17.00	13.00	15.00	10.00	14.00	13.00	8.00	12.00	11.00	8.00
Ba	74.00	75.00	65.00	113.00	86.00	75.00	77.00	59.00	89.00	69.00	70.00	86.00
Bi	5.00	6.00	3.00	6.00	5.00	6.00	2.00	6.00	6.00	6.00	6.00	3.00
CaO	0.56	0.45	0.52	0.56	0.68	0.59	0.63	0.68	0.62	0.41	0.53	0.60
Cd	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00
Ce	242.00	171.00	160.00	202.00	148.00	147.00	189.00	106.00	154.00	114.00	146.00	156.00
Co	0.00	0.00	3.00	4.00	3.00	0.00	0.00	3.00	0.00	3.00	4.00	5.00
Cr	22.00	55.00	22.00	17.00	42.00	22.00	10.00	9.00	32.00	10.00	49.00	12.00
Cs	10.00	15.00	14.00	10.00	11.00	12.00	13.00	11.00	7.00	13.00	14.00	11.00
Cu	6.00	7.20	4.50	10.80	6.00	6.50	4.70	3.70	5.10	3.80	4.80	4.30
Fe ₂ O ₃	3.47	4.33	3.09	3.19	2.00	3.21	3.27	3.67	3.16	1.53	2.88	3.70
Ga	46.00	46.00	39.00	29.00	24.00	34.00	42.00	45.00	37.00	25.00	35.00	44.00
Ge	2.00	3.00	0.00	1.00	1.00	3.00	4.00	4.00	3.00	2.00	2.00	1.00
Hg	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
La	30.00	19.00	15.00	23.00	18.00	12.00	10.00	6.00	10.00	12.00	13.00	16.00
MnO	0.07	0.05	0.04	0.04	0.05	0.05	0.06	0.04	0.05	0.04	0.04	0.03
Mo	3.10	4.20	5.70	3.90	2.90	3.80	2.30	5.00	2.80	4.40	3.00	3.30
Nb	62.00	78.00	65.00	62.00	46.00	51.00	61.00	67.00	49.00	57.00	52.00	60.00
Ni	5.00	4.00	2.00	6.00	4.00	0.00	0.00	6.00	0.00	3.00	2.00	5.00
P ₂ O ₅	0.02	0.02	0.02	0.03	0.12	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Pb	168.00	99.00	91.00	89.00	109.00	98.00	114.00	56.00	66.00	88.00	47.00	54.00
Rb	167.00	139.00	168.00	239.00	224.00	170.00	186.00	178.00	234.00	196.00	222.00	210.00
Sb	0.00	2.00	3.00	2.00	0.00	3.00	0.00	3.00	3.00	6.00	8.00	3.00
Sc	10.00	10.00	10.00	9.00	6.00	9.00	9.00	12.00	9.00	9.00	8.00	9.00
Se	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.20	0.00	0.00	0.00	0.20
Sn	17.00	23.00	16.00	17.00	27.00	28.00	13.00	14.00	12.00	28.00	8.00	20.00
Sr	11.00	8.00	8.00	11.00	8.00	9.00	7.00	8.00	9.00	7.00	9.00	10.00
Th	110.00	107.00	92.00	73.00	76.00	83.00	96.00	90.00	82.00	77.00	82.00	91.00
TiO ₂	0.28	0.31	0.25	0.29	0.20	0.25	0.22	0.21	0.24	0.22	0.25	0.26
U	7.00	6.00	8.00	12.00	7.00	7.00	7.00	10.00	7.00	8.00	7.00	6.00
V	16.00	19.00	19.00	19.00	11.00	17.00	16.00	18.00	14.00	12.00	15.00	19.00
W	9.00	12.00	11.00	11.00	10.00	6.00	5.00	13.00	14.00	12.00	7.00	11.00
Y	40.00	45.00	39.00	56.00	47.00	32.00	36.00	40.00	28.00	54.00	32.00	32.00
Zn	41.00	41.00	43.00	40.00	55.00	52.00	53.00	54.00	53.00	35.00	46.00	52.00
Zr	309.00	520.00	341.00	951.00	362.00	309.00	270.00	283.00	326.00	494.00	294.00	210.00

Sample	HK1455	HK1456	HK1457	HK1458	HK1459	HK1460	HK1461	HK1462	HK1463	HK1464	HK1465	HK1466
Ag	0.50	0.50	0.00	0.00	0.00	0.60	0.50	0.90	0.50	0.00	0.20	1.20
As	9.00	12.00	10.00	9.00	12.00	11.00	13.00	8.00	12.00	24.00	21.00	20.00
Ba	73.00	78.00	81.00	78.00	84.00	93.00	52.00	73.00	77.00	97.00	83.00	76.00
Bi	6.00	5.00	6.00	4.00	2.00	4.00	22.00	2.00	6.00	4.00	6.00	4.00
CaO	0.46	0.55	0.36	0.42	0.40	0.45	0.34	0.41	0.45	0.61	0.59	0.57
Cd	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ce	128.00	157.00	147.00	170.00	172.00	154.00	110.00	87.00	94.00	165.00	149.00	142.00
Co	5.00	3.00	0.00	3.00	3.00	0.00	0.00	3.00	0.00	4.00	0.00	0.00
Cr	19.00	11.00	13.00	11.00	15.00	14.00	16.00	9.00	8.00	11.00	11.00	23.00
Cs	4.00	8.00	17.00	13.00	16.00	5.00	13.00	4.00	19.00	16.00	16.00	8.00
Cu	2.80	3.50	1.90	3.20	4.70	3.30	15.10	3.00	6.10	9.40	7.60	4.40
Fe ₂ O ₃	3.01	3.25	4.17	3.77	3.20	4.44	3.33	0.39	0.74	3.98	3.28	2.76
Ga	35.00	40.00	47.00	38.00	41.00	45.00	30.00	19.00	25.00	43.00	38.00	34.00
Ge	2.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hg	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
La	16.00	12.00	9.00	10.00	11.00	12.00	5.00	14.00	22.00	40.00	36.00	19.00
MnO	0.03	0.04	0.03	0.04	0.03	0.03	0.05	0.04	0.03	0.06	0.06	0.07
Mo	5.50	2.60	2.50	3.00	2.70	3.30	5.90	1.10	2.10	3.60	3.70	4.10
Nb	41.00	60.00	68.00	59.00	59.00	67.00	73.00	38.00	47.00	61.00	59.00	59.00
Ni	0.00	0.00	0.00	2.00	5.00	3.00	0.00	5.00	4.00	8.00	9.00	7.00
P ₂ O ₅	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.02	0.02	0.03
Pb	54.00	57.00	40.00	74.00	70.00	56.00	160.00	84.00	117.00	155.00	140.00	133.00
Rb	183.00	217.00	192.00	235.00	246.00	211.00	168.00	358.00	311.00	314.00	314.00	327.00
Sb	4.00	2.00	3.00	5.00	0.00	0.00	2.00	0.00	0.00	3.00	0.00	0.00
Sc	10.00	8.00	9.00	10.00	14.00	10.00	10.00	4.00	9.00	8.00	9.00	10.00
Se	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sn	10.00	16.00	24.00	15.00	15.00	19.00	229.00	14.00	22.00	20.00	17.00	22.00
Sr	9.00	9.00	8.00	10.00	8.00	9.00	6.00	8.00	8.00	8.00	10.00	7.00
Th	87.00	93.00	109.00	102.00	98.00	112.00	99.00	57.00	79.00	108.00	95.00	87.00
TiO ₂	0.34	0.25	0.25	0.27	0.28	0.29	0.17	0.17	0.23	0.27	0.26	0.20
U	7.00	6.00	6.00	10.00	12.00	8.00	11.00	11.00	14.00	7.00	8.00	9.00
V	21.00	16.00	19.00	15.00	17.00	19.00	12.00	12.00	13.00	17.00	13.00	10.00
W	8.00	11.00	12.00	14.00	14.00	7.00	12.00	4.00	9.00	18.00	13.00	11.00
Y	25.00	27.00	28.00	26.00	32.00	27.00	47.00	37.00	38.00	50.00	44.00	40.00
Zn	40.00	53.00	55.00	58.00	58.00	58.00	55.00	32.00	40.00	59.00	55.00	53.00
Zr	337.00	332.00	194.00	236.00	430.00	269.00	494.00	654.00	602.00	301.00	377.00	324.00

Sample	HK1467	HK1468	HK1469	HK1470	HK1471	HK1472	HK1473	HK1474	HK1475	HK1476	HK1477	HK1478
Ag	1.10	1.00	0.00	1.00	0.00	0.20	0.40	0.60	0.20	0.60	0.30	0.90
As	11.00	18.00	14.00	18.00	11.00	15.00	24.00	21.00	17.00	19.00	48.00	4.00
Ba	76.00	94.00	104.00	71.00	76.00	99.00	113.00	102.00	135.00	72.00	117.00	710.00
Bi	7.00	7.00	5.00	3.00	9.00	6.00	12.00	8.00	2.00	4.00	4.00	7.00
CaO	0.60	0.51	0.92	0.60	0.69	0.55	0.78	0.64	0.73	0.38	0.51	7.59
Cd	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.20	0.00	0.00	0.20	3.50
Ce	132.00	128.00	107.00	117.00	89.00	103.00	136.00	108.00	146.00	178.00	142.00	72.00
Co	3.00	3.00	5.00	0.00	0.00	0.00	6.00	0.00	0.00	0.00	0.00	13.00
Cr	10.00	11.00	9.00	9.00	10.00	34.00	14.00	10.00	18.00	11.00	21.00	97.00
Cs	16.00	15.00	11.00	14.00	10.00	11.00	7.00	14.00	20.00	20.00	12.00	12.00
Cu	3.70	5.00	4.60	2.00	2.40	3.00	4.50	2.30	7.00	4.70	33.80	8.70
Fe ₂ O ₃	2.83	2.13	2.37	0.78	1.44	1.81	4.04	1.98	3.67	1.12	6.41	9.03
Ga	36.00	31.00	33.00	29.00	25.00	30.00	47.00	29.00	39.00	23.00	50.00	21.00
Ge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hg	0.00	0.50	0.00	0.50	0.00	0.00	0.00	0.40	0.00	0.30	0.00	2.20
La	20.00	15.00	23.00	44.00	15.00	30.00	28.00	30.00	22.00	34.00	13.00	46.00
MnO	0.05	0.03	0.09	0.05	0.05	0.06	0.08	0.07	0.08	0.07	0.02	0.15
Mo	4.00	3.80	2.80	2.20	10.70	7.30	8.10	5.20	1.50	1.90	6.20	10.20
Nb	61.00	63.00	66.00	55.00	48.00	61.00	81.00	58.00	56.00	57.00	62.00	14.00
Ni	4.00	8.00	11.00	14.00	11.00	12.00	12.00	11.00	4.00	7.00	6.00	5.00
P ₂ O ₅	0.02	0.02	0.03	0.02	0.02	0.02	0.03	0.02	0.03	0.02	0.03	0.06
Pb	106.00	115.00	114.00	226.00	89.00	154.00	194.00	160.00	147.00	206.00	343.00	39.00
Rb	289.00	333.00	416.00	480.00	367.00	451.00	387.00	405.00	354.00	336.00	173.00	242.00
Sb	0.00	2.00	0.00	0.00	0.00	3.00	1.00	4.00	2.00	7.00	24.00	5.00
Sc	9.00	11.00	8.00	8.00	7.00	7.00	10.00	8.00	6.00	7.00	11.00	17.00
Se	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.20	0.00	0.30	1.40
Sn	20.00	18.00	17.00	18.00	16.00	16.00	22.00	14.00	23.00	10.00	19.00	22.00
Sr	8.00	9.00	13.00	8.00	11.00	10.00	11.00	11.00	13.00	8.00	12.00	199.00
Th	89.00	84.00	82.00	72.00	63.00	77.00	104.00	74.00	98.00	106.00	118.00	25.00
TiO ₂	0.22	0.26	0.20	0.15	0.18	0.18	0.26	0.18	0.27	0.18	0.43	1.01
U	8.00	16.00	13.00	13.00	9.00	10.00	7.00	10.00	7.00	21.00	5.00	7.00
V	15.00	14.00	14.00	7.00	15.00	13.00	19.00	13.00	17.00	12.00	30.00	105.00
W	11.00	12.00	14.00	5.00	12.00	20.00	14.00	13.00	12.00	15.00	12.00	19.00
Y	44.00	53.00	66.00	69.00	53.00	75.00	66.00	68.00	29.00	64.00	28.00	38.00
Zn	55.00	48.00	62.00	33.00	38.00	37.00	58.00	38.00	51.00	28.00	71.00	88.00
Zr	378.00	749.00	373.00	410.00	338.00	312.00	176.00	355.00	199.00	1214.00	285.00	211.00

Sample	HK1479	HK1480	HK1481	HK1482	HK1483	HK1484	HK1485	HK1486	HK1487	HK1488	HK1489	HK1490
Ag	1.10	0.80	0.00	0.30	0.00	0.00	0.00	0.50	0.00	0.00	0.50	0.00
As	5.00	13.00	14.00	4.00	5.00	3.00	17.00	19.00	15.00	15.00	16.00	13.00
Ba	563.00	374.00	369.00	537.00	499.00	570.00	119.00	145.00	132.00	153.00	132.00	93.00
Bi	4.00	9.00	6.00	3.00	7.00	0.00	9.00	5.00	3.00	8.00	7.00	6.00
CaO	13.30	4.66	3.31	14.80	12.70	8.55	0.92	1.01	0.86	1.06	1.05	0.63
Cd	4.20	1.70	1.20	5.00	3.90	2.50	0.20	0.30	0.30	0.30	0.20	0.20
Ce	60.00	97.00	113.00	82.00	81.00	94.00	72.00	118.00	76.00	70.00	103.00	81.00
Co	22.00	13.00	13.00	16.00	20.00	19.00	7.00	3.00	6.00	5.00	4.00	4.00
Cr	39.00	32.00	72.00	49.00	33.00	48.00	24.00	42.00	135.00	36.00	22.00	173.00
Cs	7.00	10.00	9.00	10.00	8.00	5.00	7.00	21.00	6.00	7.00	14.00	14.00
Cu	11.10	9.20	11.30	12.50	18.30	11.70	6.60	5.80	6.50	7.20	6.20	7.30
Fe ₂ O ₃	12.58	7.18	8.53	11.73	13.17	11.11	1.63	2.51	1.95	1.96	1.73	2.38
Ga	19.00	24.00	26.00	21.00	20.00	19.00	31.00	35.00	29.00	29.00	28.00	27.00
Ge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hg	2.70	1.40	1.60	2.80	2.40	2.30	0.00	0.70	0.00	0.40	0.00	0.00
La	34.00	28.00	37.00	30.00	29.00	34.00	18.00	14.00	17.00	26.00	19.00	16.00
MnO	0.15	0.17	0.23	0.15	0.18	0.21	0.11	0.15	0.08	0.15	0.13	0.10
Mo	6.50	5.70	5.30	3.30	1.90	3.90	3.80	3.00	3.30	3.30	3.40	3.10
Nb	7.00	29.00	33.00	11.00	8.00	12.00	59.00	63.00	61.00	54.00	50.00	49.00
Ni	0.00	6.00	10.00	3.00	0.00	3.00	24.00	21.00	22.00	23.00	19.00	23.00
P ₂ O ₅	0.11	0.07	0.08	0.15	0.18	0.13	0.04	0.04	0.04	0.05	0.05	0.03
Pb	11.00	59.00	84.00	23.00	23.00	33.00	103.00	134.00	104.00	99.00	93.00	95.00
Rb	111.00	317.00	314.00	139.00	73.00	132.00	610.00	564.00	576.00	562.00	476.00	519.00
Sb	4.00	0.00	0.00	0.00	0.00	6.00	0.00	0.00	0.00	1.00	7.00	3.00
Sc	27.00	16.00	18.00	24.00	28.00	21.00	6.00	9.00	8.00	7.00	4.00	10.00
Se	1.80	1.10	1.30	2.00	2.10	1.70	0.00	0.00	0.00	0.00	0.00	0.20
Sn	11.00	13.00	16.00	12.00	17.00	15.00	39.00	32.00	38.00	38.00	33.00	33.00
Sr	241.00	102.00	73.00	283.00	224.00	145.00	19.00	20.00	22.00	21.00	18.00	16.00
Th	8.00	40.00	45.00	15.00	14.00	12.00	56.00	68.00	61.00	54.00	64.00	48.00
TiO ₂	1.20	0.87	1.00	1.26	1.47	1.21	0.16	0.18	0.19	0.19	0.20	0.17
U	1.00	9.00	12.00	0.00	3.00	4.00	13.00	14.00	16.00	17.00	15.00	11.00
V	134.00	86.00	102.00	147.00	154.00	127.00	14.00	16.00	17.00	18.00	15.00	16.00
W	8.00	9.00	16.00	12.00	7.00	7.00	14.00	22.00	21.00	18.00	20.00	4.00
Y	34.00	48.00	60.00	39.00	33.00	26.00	93.00	64.00	80.00	85.00	75.00	64.00
Zn	91.00	71.00	86.00	103.00	124.00	91.00	67.00	89.00	74.00	86.00	61.00	56.00
Zr	170.00	244.00	247.00	180.00	179.00	246.00	240.00	207.00	278.00	237.00	273.00	259.00

Sample	HK1491	HK1492	HK1493	HK1494	HK1495	HK1496	HK1497	HK1498	HK1499	HK1500	HK1501	HK1502
Ag	0.00	0.20	0.70	1.00	0.90	0.70	0.30	0.00	0.40	0.00	0.70	0.00
As	17.00	13.00	14.00	17.00	16.00	1.00	6.00	0.00	28.00	9.00	19.00	4.00
Ba	132.00	115.00	108.00	116.00	154.00	559.00	656.00	162.00	174.00	276.00	317.00	58.00
Bi	7.00	3.00	4.00	4.00	124.00	5.00	2.00	8.00	2.00	5.00	3.00	3.00
CaO	0.91	0.86	0.75	1.06	2.27	14.20	5.80	2.20	1.10	2.20	1.65	0.45
Cd	0.20	0.30	0.00	0.30	0.40	3.10	2.20	0.40	0.40	0.70	0.40	0.20
Ce	104.00	85.00	88.00	97.00	105.00	67.00	112.00	35.00	94.00	88.00	128.00	23.00
Co	6.00	4.00	4.00	0.00	6.00	18.00	15.00	6.00	7.00	23.00	24.00	0.00
Cr	31.00	11.00	9.00	46.00	56.00	46.00	105.00	23.00	25.00	77.00	47.00	11.00
Cs	7.00	6.00	15.00	19.00	15.00	12.00	12.00	7.00	10.00	19.00	7.00	9.00
Cu	10.90	7.80	7.50	13.60	16.60	22.40	17.30	8.20	6.90	18.20	11.80	3.70
Fe ₂ O ₃	2.64	2.32	2.33	1.98	4.31	9.59	7.87	2.41	2.96	11.06	11.52	0.52
Ga	34.00	30.00	30.00	26.00	35.00	21.00	18.00	0.00	34.00	21.00	29.00	7.00
Ge	3.00	3.00	2.00	3.00	2.00	0.00	0.00	1.00	1.00	2.00	3.00	3.00
Hg	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.60	0.00
La	18.00	14.00	12.00	20.00	42.00	27.00	46.00	7.00	39.00	40.00	45.00	0.00
MnO	0.12	0.13	0.11	0.07	0.17	0.20	0.20	0.05	0.14	0.12	0.19	0.04
Mo	3.40	3.60	2.80	1.40	70.40	3.40	5.00	2.70	4.30	4.00	4.30	1.10
Nb	50.00	50.00	50.00	41.00	57.00	9.00	16.00	2.00	61.00	15.00	28.00	18.00
Ni	24.00	21.00	17.00	21.00	25.00	7.00	17.00	0.00	25.00	10.00	16.00	9.00
P ₂ O ₅	0.03	0.04	0.03	0.05	0.20	0.15	0.13	0.03	0.05	0.17	0.12	0.01
Pb	118.00	97.00	89.00	108.00	152.00	33.00	40.00	14.00	223.00	29.00	95.00	27.00
Rb	491.00	522.00	473.00	454.00	493.00	154.00	242.00	71.00	623.00	185.00	263.00	400.00
Sb	0.00	2.00	3.00	5.00	3.00	2.00	0.00	2.00	0.00	6.00	6.00	3.00
Sc	11.00	12.00	5.00	6.00	7.00	7.00	6.00	6.00	12.00	4.00	4.00	4.00
Se	0.20	0.00	0.00	0.00	0.30	2.20	1.40	0.20	0.00	2.20	2.30	0.00
Sn	34.00	28.00	26.00	24.00	52.00	16.00	25.00	13.00	45.00	10.00	17.00	7.00
Sr	17.00	19.00	13.00	20.00	28.00	272.00	119.00	27.00	27.00	40.00	25.00	14.00
Th	58.00	54.00	47.00	53.00	101.00	6.00	15.00	6.00	70.00	15.00	27.00	21.00
TiO ₂	0.20	0.18	0.17	0.22	0.27	1.15	1.01	0.23	0.23	1.20	1.09	0.05
U	16.00	13.00	10.00	13.00	9.00	4.00	3.00	2.00	13.00	8.00	6.00	5.00
V	16.00	13.00	10.00	17.00	28.00	149.00	103.00	26.00	19.00	150.00	160.00	8.00
W	8.00	6.00	3.00	7.00	11.00	5.00	4.00	13.00	18.00	0.00	12.00	11.00
Y	71.00	63.00	53.00	59.00	96.00	28.00	26.00	11.00	96.00	52.00	74.00	24.00
Zn	75.00	68.00	63.00	62.00	178.00	86.00	132.00	47.00	65.00	99.00	73.00	20.00
Zr	239.00	278.00	225.00	277.00	166.00	190.00	272.00	203.00	269.00	297.00	273.00	91.00

Sample	HK1503	HK1504	HK1505	HK1506	HK1507	HK1508	HK1509	HK1510	HK1511	HK1512	HK1513	HK1514
Ag	0.60	0.80	0.80	0.40	0.30	0.90	1.00	0.60	0.40	0.00	0.00	0.40
As	26.00	22.00	21.00	19.00	3.00	22.00	35.00	21.00	21.00	24.00	40.00	28.00
Ba	145.00	179.00	172.00	180.00	23.00	133.00	153.00	177.00	172.00	198.00	526.00	566.00
Bi	5.00	3.00	3.00	5.00	1.00	2.00	4.00	3.00	5.00	4.00	0.00	0.00
CaO	0.98	0.96	0.99	1.08	0.26	0.89	1.28	1.85	1.00	1.71	0.52	2.21
Cd	0.20	0.20	0.30	0.20	0.00	0.30	0.30	0.30	0.30	0.40	0.20	0.50
Ce	145.00	137.00	168.00	159.00	44.00	82.00	197.00	154.00	178.00	171.00	128.00	136.00
Co	7.00	6.00	5.00	4.00	0.00	3.00	4.00	4.00	6.00	0.00	8.00	10.00
Cr	25.00	13.00	12.00	15.00	9.00	21.00	46.00	26.00	30.00	10.00	21.00	25.00
Cs	11.00	1.00	9.00	13.00	0.00	2.00	16.00	12.00	17.00	4.00	6.00	10.00
Cu	7.30	7.60	11.20	4.90	1.30	12.70	8.50	9.20	8.10	11.10	13.80	15.30
Fe ₂ O ₃	4.26	2.97	3.48	2.68	0.45	3.25	4.55	3.55	3.23	3.63	5.60	5.86
Ga	44.00	34.00	38.00	31.00	0.00	10.00	39.00	31.00	33.00	35.00	23.00	16.00
Ge	3.00	4.00	2.00	2.00	2.00	5.00	2.00	1.00	4.00	5.00	2.00	2.00
Hg	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
La	50.00	33.00	57.00	38.00	14.00	23.00	43.00	47.00	56.00	56.00	46.00	64.00
MnO	0.14	0.13	0.14	0.12	0.02	0.09	0.16	0.18	0.11	0.14	0.08	0.10
Mo	1.60	1.20	0.50	0.80	0.50	1.70	4.30	2.00	2.10	2.00	1.60	1.90
Nb	58.00	50.00	55.00	45.00	5.00	63.00	56.00	48.00	45.00	51.00	21.00	20.00
Ni	15.00	17.00	21.00	11.00	0.00	10.00	16.00	15.00	13.00	18.00	9.00	14.00
P ₂ O ₅	0.03	0.03	0.04	0.03	0.00	0.03	0.05	0.05	0.04	0.05	0.07	0.17
Pb	196.00	163.00	159.00	95.00	12.00	126.00	176.00	130.00	147.00	161.00	38.00	48.00
Rb	357.00	492.00	466.00	437.00	60.00	308.00	398.00	380.00	365.00	390.00	204.00	196.00
Sb	3.00	4.00	0.00	5.00	3.00	6.00	6.00	3.00	0.00	4.00	5.00	0.00
Sc	9.00	9.00	9.00	11.00	12.00	13.00	13.00	13.00	4.00	4.00	3.00	3.00
Se	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.80	0.70
Sn	28.00	18.00	22.00	16.00	4.00	8.00	23.00	21.00	16.00	20.00	10.00	0.00
Sr	17.00	18.00	19.00	17.00	3.00	20.00	21.00	23.00	19.00	24.00	18.00	31.00
Th	100.00	75.00	84.00	67.00	21.00	44.00	92.00	80.00	81.00	84.00	30.00	25.00
TiO ₂	0.31	0.23	0.27	0.25	0.04	0.09	0.30	0.25	0.25	0.26	0.79	0.88
U	14.00	13.00	12.00	12.00	2.00	9.00	13.00	23.00	13.00	15.00	8.00	10.00
V	20.00	20.00	21.00	17.00	5.00	12.00	21.00	13.00	15.00	15.00	60.00	56.00
W	15.00	10.00	3.00	7.00	10.00	8.00	8.00	18.00	12.00	5.00	5.00	12.00
Y	53.00	33.00	54.00	31.00	14.00	47.00	59.00	62.00	68.00	70.00	30.00	42.00
Zn	75.00	61.00	67.00	56.00	10.00	45.00	105.00	94.00	63.00	98.00	48.00	93.00
Zr	350.00	316.00	356.00	383.00	149.00	182.00	280.00	352.00	323.00	387.00	243.00	343.00

Sample	HK1515	HK1516	HK1517	HK1518	HK1519	HK1520	HK1521	HK1522	HK1523	HK1524	HK1525	HK1526
Ag	0.00	6.50	0.00	0.40	0.30	0.30	0.80	0.80	0.20	0.60	0.30	0.30
As	30.00	136.00	23.00	20.00	20.00	18.00	20.00	38.00	75.00	22.00	24.00	21.00
Ba	610.00	240.00	613.00	611.00	602.00	590.00	611.00	522.00	553.00	625.00	664.00	660.00
Bi	3.00	0.00	0.00	1.00	4.00	0.00	0.00	3.00	0.00	3.00	1.00	2.00
CaO	1.51	0.35	1.22	1.07	1.24	1.15	0.99	2.62	0.70	1.04	0.69	1.17
Cd	0.50	0.00	0.40	0.30	0.40	0.30	0.30	0.40	0.30	0.50	0.40	0.50
Ce	121.00	78.00	97.00	96.00	94.00	92.00	97.00	101.00	116.00	102.00	96.00	140.00
Co	14.00	5.00	12.00	13.00	12.00	9.00	11.00	11.00	7.00	9.00	8.00	11.00
Cr	63.00	31.00	58.00	48.00	38.00	79.00	39.00	24.00	45.00	32.00	31.00	23.00
Cs	5.00	0.00	7.00	11.00	14.00	8.00	15.00	16.00	15.00	28.00	15.00	18.00
Cu	20.30	63.60	23.00	18.60	21.10	20.80	20.60	14.80	17.40	11.40	11.20	7.10
Fe ₂ O ₃	6.00	3.97	6.04	6.11	6.08	5.84	6.04	5.30	5.06	5.78	6.26	6.48
Ga	19.00	4.00	20.00	20.00	20.00	20.00	20.00	18.00	22.00	20.00	22.00	16.00
Ge	0.00	2.00	0.00	2.00	1.00	1.00	2.00	2.00	2.00	2.00	0.00	0.00
Hg	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
La	62.00	31.00	45.00	38.00	47.00	44.00	42.00	47.00	45.00	48.00	45.00	63.00
MnO	0.09	0.04	0.11	0.10	0.12	0.08	0.12	0.12	0.07	0.05	0.04	0.02
Mo	3.10	2.70	2.50	1.70	2.60	2.30	1.70	4.00	3.60	1.50	1.30	0.80
Nb	21.00	10.00	21.00	22.00	21.00	21.00	22.00	19.00	22.00	18.00	16.00	14.00
Ni	14.00	0.00	10.00	9.00	10.00	11.00	11.00	11.00	10.00	8.00	10.00	10.00
P ₂ O ₅	0.14	0.07	0.14	0.12	0.12	0.12	0.14	0.16	0.11	0.12	0.10	0.24
Pb	48.00	769.00	51.00	49.00	64.00	64.00	56.00	50.00	232.00	70.00	57.00	37.00
Rb	210.00	97.00	233.00	240.00	240.00	251.00	245.00	201.00	281.00	235.00	265.00	211.00
Sb	3.00	3.00	4.00	1.00	3.00	3.00	0.00	0.00	8.00	4.00	5.00	2.00
Sc	3.00	8.00	8.00	8.00	8.00	9.00	7.00	8.00	7.00	8.00	8.00	4.00
Se	0.90	0.30	0.90	0.80	0.80	0.90	0.80	0.80	0.80	0.90	0.90	0.80
Sn	7.00	0.00	9.00	5.00	4.00	7.00	3.00	5.00	6.00	3.00	0.00	7.00
Sr	31.00	5.00	26.00	22.00	25.00	21.00	21.00	28.00	19.00	31.00	26.00	32.00
Th	33.00	26.00	35.00	23.00	34.00	27.00	29.00	29.00	32.00	19.00	27.00	25.00
TiO ₂	0.89	0.76	0.97	0.91	0.91	0.88	0.94	0.84	0.78	0.75	0.70	0.71
U	8.00	3.00	8.00	8.00	7.00	6.00	6.00	9.00	6.00	5.00	7.00	5.00
V	68.00	32.00	71.00	65.00	63.00	71.00	64.00	60.00	62.00	68.00	67.00	63.00
W	8.00	8.00	12.00	10.00	10.00	10.00	5.00	18.00	12.00	10.00	9.00	9.00
Y	40.00	16.00	42.00	38.00	39.00	35.00	38.00	36.00	37.00	35.00	36.00	38.00
Zn	93.00	1221.00	109.00	105.00	105.00	110.00	110.00	203.00	96.00	74.00	76.00	69.00
Zr	394.00	108.00	723.00	480.00	621.00	454.00	619.00	354.00	539.00	438.00	329.00	203.00

Sample	HK1527	HK1528	HK1529	HK1530	HK1531	HK1532	HK1533	HK1534	HK1535	HK1536	HK1537	HK1538
Ag	0.50	0.40	0.00	1.00	0.70	0.80	0.80	0.70	0.80	0.60	0.20	0.00
As	22.00	15.00	20.00	36.00	43.00	49.00	13.00	16.00	7.00	8.00	7.00	13.00
Ba	205.00	642.00	660.00	785.00	619.00	578.00	591.00	414.00	297.00	282.00	654.00	594.00
Bi	3.00	2.00	0.00	1.00	0.00	0.00	0.00	0.00	5.00	5.00	0.00	0.00
CaO	1.88	1.08	1.20	0.98	0.99	2.11	0.75	1.09	1.81	1.83	1.50	0.74
Cd	0.40	0.50	0.60	0.40	0.60	0.60	0.50	0.50	0.30	0.30	0.60	0.50
Ce	179.00	138.00	136.00	109.00	120.00	116.00	91.00	79.00	82.00	78.00	53.00	145.00
Co	4.00	10.00	9.00	13.00	15.00	3.00	13.00	6.00	6.00	6.00	3.00	7.00
Cr	45.00	27.00	34.00	19.00	96.00	32.00	84.00	31.00	20.00	18.00	54.00	37.00
Cs	7.00	16.00	18.00	18.00	15.00	15.00	16.00	12.00	7.00	7.00	10.00	20.00
Cu	7.90	8.40	6.90	15.20	12.30	44.40	8.80	10.00	37.60	53.10	32.10	8.60
Fe ₂ O ₃	3.92	6.08	6.76	6.94	6.01	7.62	5.69	5.41	3.33	3.19	4.22	5.17
Ga	32.00	16.00	15.00	21.00	15.00	23.00	12.00	5.00	2.00	2.00	5.00	16.00
Ge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hg	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
La	56.00	64.00	62.00	48.00	43.00	49.00	39.00	25.00	28.00	31.00	26.00	50.00
MnO	0.15	0.02	0.02	0.11	0.10	0.08	0.10	0.03	0.04	0.04	0.02	0.07
Mo	2.00	1.40	0.60	1.60	2.20	2.60	1.70	1.80	3.00	3.10	1.90	2.10
Nb	54.00	10.00	14.00	18.00	19.00	18.00	20.00	18.00	27.00	22.00	12.00	16.00
Ni	14.00	10.00	10.00	10.00	9.00	10.00	10.00	3.00	0.00	2.00	5.00	9.00
P ₂ O ₅	0.06	0.24	0.28	0.14	0.14	0.27	0.09	0.58	0.60	0.66	0.66	0.12
Pb	170.00	44.00	45.00	142.00	151.00	191.00	30.00	31.00	46.00	43.00	26.00	32.00
Rb	422.00	213.00	214.00	284.00	224.00	271.00	193.00	117.00	69.00	64.00	82.00	188.00
Sb	3.00	5.00	5.00	8.00	9.00	8.00	6.00	4.00	2.00	0.00	8.00	2.00
Sc	6.00	6.00	6.00	7.00	7.00	7.00	6.00	6.00	4.00	4.00	3.00	10.00
Se	0.00	0.70	0.80	1.00	0.90	1.20	0.90	0.70	0.70	0.70	0.60	0.80
Sn	24.00	3.00	7.00	6.00	5.00	12.00	4.00	5.00	0.00	2.00	14.00	6.00
Sr	25.00	33.00	36.00	24.00	38.00	39.00	34.00	29.00	22.00	22.00	37.00	33.00
Th	85.00	26.00	30.00	26.00	29.00	31.00	20.00	15.00	16.00	20.00	14.00	26.00
TiO ₂	0.27	0.73	0.71	0.84	0.83	0.98	0.82	0.93	1.51	1.41	0.82	0.86
U	18.00	5.00	6.00	7.00	5.00	5.00	4.00	4.00	6.00	9.00	2.00	5.00
V	15.00	59.00	60.00	77.00	69.00	87.00	68.00	55.00	57.00	55.00	48.00	64.00
W	9.00	8.00	8.00	8.00	8.00	3.00	3.00	3.00	3.00	6.00	6.00	7.00
Y	64.00	36.00	36.00	39.00	29.00	25.00	27.00	28.00	33.00	29.00	17.00	32.00
Zn	85.00	68.00	67.00	153.00	59.00	193.00	51.00	49.00	142.00	169.00	89.00	46.00
Zr	361.00	180.00	189.00	485.00	475.00	274.00	383.00	587.00	2232.00	2084.00	706.00	328.00

Sample	HK1539	HK1540	HK1541	HK1542	HK1543	HK1544	HK1545	HK1546	HK1547	HK1548	HK1549	HK1550
Ag	0.90	0.60	0.00	0.00	0.60	0.00	1.00	0.40	0.00	0.00	0.00	0.00
As	5.00	9.00	37.00	28.00	35.00	25.00	16.00	76.00	70.00	100.00	57.00	26.00
Ba	673.00	632.00	536.00	544.00	581.00	707.00	634.00	613.00	638.00	637.00	660.00	639.00
Bi	5.00	5.00	0.00	4.00	5.00	2.00	3.00	3.00	1.00	1.00	3.00	0.00
CaO	1.90	1.25	1.24	1.01	1.32	1.03	0.99	1.03	0.78	1.09	0.79	1.19
Cd	0.30	0.20	0.40	0.50	0.50	0.50	0.50	0.50	0.40	0.50	0.40	0.50
Ce	78.00	65.00	114.00	102.00	116.00	113.00	82.00	95.00	98.00	103.00	103.00	96.00
Co	11.00	5.00	10.00	6.00	10.00	11.00	4.00	7.00	9.00	9.00	7.00	9.00
Cr	53.00	97.00	65.00	60.00	86.00	97.00	27.00	40.00	44.00	46.00	35.00	73.00
Cs	5.00	0.00	2.00	4.00	11.00	7.00	25.00	11.00	26.00	25.00	24.00	10.00
Cu	34.00	37.30	13.00	8.20	15.40	12.50	6.70	8.20	8.50	8.10	7.60	21.90
Fe ₂ O ₃	5.44	4.23	4.57	4.59	5.47	6.77	3.30	5.43	5.30	6.24	5.26	6.21
Ga	12.00	5.00	13.00	15.00	16.00	18.00	12.00	14.00	13.00	13.00	14.00	18.00
Ge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hg	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20
La	37.00	23.00	49.00	41.00	46.00	47.00	45.00	45.00	47.00	53.00	47.00	42.00
MnO	0.12	0.02	0.12	0.07	0.07	0.23	0.00	0.10	0.10	0.20	0.03	0.09
Mo	1.50	2.00	2.40	2.80	2.50	2.50	1.50	1.40	1.60	1.60	1.90	2.50
Nb	14.00	5.00	17.00	22.00	21.00	20.00	19.00	18.00	21.00	20.00	24.00	21.00
Ni	8.00	8.00	9.00	7.00	13.00	15.00	3.00	9.00	6.00	9.00	11.00	14.00
P ₂ O ₅	0.69	0.18	0.11	0.12	0.13	0.13	0.19	0.16	0.14	0.15	0.15	0.12
Pb	37.00	25.00	77.00	40.00	48.00	40.00	36.00	42.00	38.00	42.00	46.00	68.00
Rb	106.00	87.00	177.00	182.00	211.00	255.00	180.00	207.00	212.00	221.00	214.00	232.00
Sb	1.00	4.00	0.00	4.00	3.00	0.00	8.00	6.00	9.00	11.00	5.00	4.00
Sc	11.00	10.00	10.00	10.00	9.00	9.00	10.00	11.00	12.00	12.00	12.00	12.00
Se	0.80	0.70	0.70	0.70	0.70	0.90	0.60	0.80	0.80	0.70	0.90	0.80
Sn	9.00	8.00	3.00	3.00	11.00	9.00	8.00	8.00	0.00	5.00	8.00	15.00
Sr	23.00	14.00	28.00	31.00	33.00	32.00	33.00	29.00	26.00	33.00	28.00	32.00
Th	14.00	16.00	30.00	34.00	23.00	35.00	22.00	27.00	29.00	25.00	22.00	23.00
TiO ₂	0.85	0.63	0.85	1.03	0.90	0.93	0.75	0.75	0.73	0.70	0.88	0.95
U	2.00	2.00	3.00	7.00	7.00	7.00	4.00	5.00	3.00	5.00	6.00	8.00
V	62.00	54.00	56.00	56.00	56.00	71.00	48.00	64.00	63.00	58.00	70.00	65.00
W	12.00	12.00	3.00	5.00	5.00	10.00	12.00	14.00	10.00	11.00	9.00	8.00
Y	20.00	14.00	38.00	40.00	38.00	38.00	33.00	38.00	37.00	38.00	38.00	36.00
Zn	130.00	63.00	57.00	63.00	62.00	205.00	59.00	63.00	51.00	65.00	68.00	103.00
Zr	751.00	370.00	626.00	1044.00	685.00	333.00	326.00	309.00	300.00	314.00	441.00	531.00

Sample	HK1551	HK1552	HK1553	HK1554	HK1555	HK1556	HK1557	HK1558	HK1559	HK1560	HK1561	HK1562
Ag	0.70	0.40	0.00	0.00	0.40	0.50	0.70	0.50	0.00	0.60	0.40	0.60
As	36.00	54.00	17.00	15.00	13.00	16.00	15.00	10.00	34.00	13.00	8.00	11.00
Ba	687.00	567.00	253.00	248.00	213.00	226.00	201.00	221.00	442.00	170.00	152.00	328.00
Bi	2.00	1.00	1.00	2.00	0.00	0.00	0.00	0.00	2.00	1.00	0.00	0.00
CaO	1.31	1.27	0.24	0.24	0.24	0.22	0.22	0.22	0.25	0.16	0.16	0.16
Cd	0.40	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00
Ce	121.00	114.00	48.00	41.00	33.00	42.00	43.00	43.00	97.00	47.00	44.00	59.00
Co	11.00	11.00	3.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00	6.00
Cr	91.00	53.00	28.00	9.00	21.00	13.00	8.00	7.00	28.00	6.00	8.00	9.00
Cs	9.00	11.00	8.00	4.00	10.00	8.00	9.00	7.00	15.00	9.00	5.00	8.00
Cu	15.80	13.90	110.80	1.50	1.50	2.00	5.90	1.90	0.50	0.00	0.30	9.00
Fe ₂ O ₃	6.71	5.91	2.15	1.40	0.97	1.22	1.29	1.08	3.41	0.85	1.00	2.60
Ga	19.00	15.00	0.00	0.00	0.00	0.00	0.00	0.00	10.00	0.00	0.00	0.00
Ge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hg	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.70
La	53.00	49.00	20.00	17.00	13.00	20.00	17.00	20.00	48.00	22.00	21.00	29.00
MnO	0.11	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.04
Mo	3.20	4.20	1.10	0.60	0.90	0.30	0.90	0.70	2.20	1.50	1.50	1.90
Nb	22.00	27.00	10.00	4.00	6.00	10.00	9.00	25.00	17.00	9.00	4.00	11.00
Ni	12.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	0.00	0.00	0.00
P ₂ O ₅	0.15	0.16	0.02	0.02	0.02	0.02	0.02	0.02	0.08	0.02	0.02	0.03
Pb	49.00	45.00	13.00	8.00	6.00	23.00	7.00	22.00	60.00	9.00	18.00	17.00
Rb	248.00	255.00	73.00	68.00	57.00	60.00	59.00	62.00	151.00	45.00	42.00	89.00
Sb	0.00	6.00	5.00	5.00	5.00	6.00	8.00	3.00	4.00	2.00	2.00	5.00
Sc	8.00	8.00	8.00	7.00	7.00	7.00	6.00	6.00	10.00	3.00	2.00	6.00
Se	0.90	0.80	0.20	0.00	0.00	0.20	0.20	0.20	0.50	0.00	0.00	0.30
Sn	10.00	6.00	23.00	9.00	4.00	9.00	20.00	169.00	9.00	4.00	0.00	0.00
Sr	28.00	20.00	6.00	5.00	5.00	7.00	4.00	5.00	16.00	4.00	2.00	13.00
Th	34.00	36.00	12.00	4.00	5.00	5.00	6.00	13.00	21.00	8.00	9.00	4.00
TiO ₂	0.96	0.94	0.31	0.21	0.20	0.28	0.24	0.43	0.49	0.22	0.19	0.33
U	10.00	8.00	3.00	2.00	2.00	1.00	0.00	0.00	3.00	2.00	3.00	2.00
V	71.00	65.00	18.00	14.00	10.00	17.00	16.00	17.00	41.00	16.00	16.00	32.00
W	7.00	4.00	4.00	3.00	3.00	5.00	7.00	5.00	4.00	5.00	0.00	7.00
Y	37.00	34.00	25.00	17.00	17.00	21.00	22.00	35.00	33.00	20.00	15.00	19.00
Zn	84.00	91.00	24.00	17.00	17.00	16.00	18.00	17.00	41.00	17.00	14.00	25.00
Zr	354.00	639.00	153.00	90.00	87.00	128.00	106.00	290.00	341.00	159.00	91.00	119.00

Sample	HK1563	HK1564	HK1565	HK1566	HK1567	HK1568	HK1569	HK1570	HK1571	HK1572	HK1573	HK1574
Ag	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.60	0.40	0.40
As	16.00	12.00	22.00	25.00	14.00	28.00	25.00	24.00	48.00	69.00	62.00	29.00
Ba	281.00	384.00	535.00	539.00	120.00	537.00	557.00	553.00	425.00	469.00	476.00	436.00
Bi	0.00	0.00	3.00	0.00	2.00	0.00	1.00	0.00	2.00	3.00	3.00	4.00
CaO	0.16	0.17	0.23	0.21	0.27	0.25	0.26	0.29	0.28	0.28	0.32	0.19
Cd	0.00	0.20	0.20	0.30	0.20	0.30	0.30	0.40	0.30	0.40	0.40	0.30
Ce	51.00	54.00	97.00	90.00	88.00	104.00	106.00	100.00	89.00	113.00	123.00	118.00
Co	0.00	0.00	4.00	5.00	0.00	7.00	6.00	5.00	9.00	7.00	12.00	3.00
Cr	9.00	11.00	103.00	19.00	15.00	77.00	19.00	18.00	48.00	18.00	46.00	26.00
Cs	11.00	16.00	12.00	22.00	2.00	11.00	16.00	19.00	10.00	27.00	21.00	14.00
Cu	1.90	1.80	2.50	3.60	0.30	3.00	5.80	2.90	13.30	3.80	24.30	4.10
Fe ₂ O ₃	1.98	2.52	3.69	3.69	2.50	4.10	4.22	4.03	4.77	4.70	6.29	5.28
Ga	0.00	2.00	9.00	10.00	16.00	8.00	8.00	8.00	10.00	12.00	15.00	16.00
Ge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hg	0.80	0.00	0.90	1.30	0.00	1.00	1.00	0.80	1.30	0.50	2.10	1.70
La	26.00	29.00	44.00	46.00	30.00	48.00	48.00	48.00	40.00	51.00	48.00	46.00
MnO	0.03	0.04	0.02	0.02	0.04	0.04	0.04	0.03	0.10	0.08	0.12	0.01
Mo	1.60	1.50	2.10	1.60	3.00	1.90	2.00	1.40	3.60	1.90	3.60	4.50
Nb	8.00	8.00	17.00	17.00	33.00	16.00	19.00	14.00	20.00	19.00	21.00	16.00
Ni	0.00	0.00	4.00	4.00	5.00	7.00	5.00	6.00	8.00	9.00	8.00	4.00
P ₂ O ₅	0.02	0.03	0.06	0.06	0.03	0.07	0.07	0.08	0.09	0.14	0.14	0.06
Pb	7.00	14.00	33.00	26.00	47.00	25.00	31.00	30.00	57.00	37.00	83.00	106.00
Rb	81.00	96.00	181.00	190.00	147.00	149.00	152.00	144.00	216.00	193.00	239.00	189.00
Sb	6.00	6.00	5.00	8.00	0.00	10.00	6.00	5.00	7.00	0.00	4.00	0.00
Sc	2.00	4.00	6.00	5.00	5.00	6.00	9.00	7.00	7.00	12.00	12.00	11.00
Se	0.20	0.30	0.50	0.30	0.00	0.50	0.50	0.50	0.60	0.70	0.70	0.90
Sn	7.00	26.00	5.00	8.00	14.00	9.00	10.00	11.00	5.00	8.00	10.00	7.00
Sr	11.00	16.00	18.00	20.00	15.00	21.00	23.00	24.00	22.00	27.00	26.00	19.00
Th	13.00	14.00	22.00	22.00	54.00	18.00	22.00	20.00	22.00	23.00	27.00	35.00
TiO ₂	0.27	0.32	0.39	0.37	0.23	0.40	0.41	0.39	0.57	0.59	0.56	0.74
U	0.00	0.00	4.00	4.00	6.00	4.00	2.00	2.00	3.00	6.00	6.00	8.00
V	24.00	33.00	42.00	34.00	15.00	42.00	43.00	41.00	50.00	59.00	56.00	69.00
W	0.00	0.00	5.00	4.00	10.00	8.00	6.00	4.00	11.00	8.00	12.00	10.00
Y	19.00	19.00	24.00	25.00	47.00	30.00	30.00	32.00	27.00	34.00	30.00	34.00
Zn	25.00	26.00	42.00	43.00	38.00	53.00	52.00	58.00	56.00	58.00	71.00	42.00
Zr	111.00	117.00	364.00	387.00	299.00	403.00	416.00	370.00	384.00	308.00	398.00	473.00

Sample	HK1575	HK1576	HK1577	HK1578	HK1579	HK1580	HK1581	HK1582	HK1583	HK1584	HK1585	HK1586
Ag	0.00	0.00	0.00	0.00	0.40	0.70	0.00	0.30	0.00	0.00	0.00	0.80
As	18.00	33.00	16.00	18.00	52.00	26.00	45.00	32.00	7.00	8.00	7.00	22.00
Ba	429.00	322.00	476.00	216.00	422.00	351.00	315.00	282.00	363.00	327.00	383.00	505.00
Bi	0.00	0.00	4.00	0.00	2.00	2.00	0.00	3.00	1.00	0.00	2.00	3.00
CaO	0.18	0.18	0.18	0.21	0.18	0.33	0.33	0.56	0.39	0.39	0.53	0.26
Cd	0.30	0.00	0.30	0.00	0.30	0.40	0.30	0.60	0.50	0.30	0.40	0.50
Ce	198.00	105.00	139.00	105.00	149.00	87.00	131.00	97.00	90.00	84.00	85.00	127.00
Co	9.00	5.00	5.00	4.00	0.00	0.00	9.00	5.00	4.00	7.00	6.00	18.00
Cr	24.00	17.00	51.00	26.00	32.00	21.00	11.00	42.00	55.00	21.00	22.00	16.00
Cs	23.00	10.00	2.00	16.00	23.00	21.00	8.00	2.00	9.00	8.00	2.00	7.00
Cu	6.70	38.10	4.00	0.80	2.40	1.80	8.20	131.40	9.80	16.50	20.40	15.40
Fe ₂ O ₃	6.15	6.75	6.91	3.63	5.00	5.45	7.73	4.04	4.14	5.98	5.48	5.38
Ga	19.00	21.00	19.00	10.00	17.00	18.00	16.00	11.00	10.00	10.00	12.00	12.00
Ge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hg	2.00	2.00	1.80	0.00	1.30	1.10	1.60	0.80	1.60	2.80	0.10	2.20
La	43.00	31.00	68.00	48.00	41.00	40.00	47.00	33.00	35.00	34.00	41.00	58.00
MnO	0.05	0.01	0.02	0.02	0.01	0.02	0.07	0.02	0.03	0.04	0.03	0.37
Mo	3.90	2.70	4.00	2.20	8.20	8.20	2.90	8.20	1.50	3.40	3.40	2.90
Nb	22.00	22.00	22.00	15.00	19.00	20.00	20.00	23.00	18.00	21.00	18.00	24.00
Ni	6.00	9.00	5.00	4.00	4.00	3.00	6.00	8.00	3.00	0.00	2.00	3.00
P ₂ O ₅	0.05	0.03	0.06	0.06	0.07	0.09	0.20	0.68	0.42	0.39	0.61	0.12
Pb	67.00	55.00	60.00	32.00	174.00	49.00	152.00	202.00	35.00	37.00	41.00	71.00
Rb	176.00	205.00	149.00	184.00	232.00	241.00	204.00	110.00	111.00	74.00	87.00	200.00
Sb	0.00	3.00	0.00	0.00	0.00	0.00	4.00	0.00	3.00	0.00	0.00	6.00
Sc	12.00	16.00	15.00	6.00	13.00	12.00	7.00	8.00	10.00	11.00	15.00	10.00
Se	1.00	1.00	1.10	0.50	0.80	1.10	0.90	0.80	0.90	1.10	1.00	0.90
Sn	8.00	9.00	6.00	6.00	8.00	13.00	14.00	21.00	10.00	6.00	5.00	3.00
Sr	22.00	8.00	22.00	9.00	23.00	27.00	20.00	36.00	29.00	23.00	28.00	33.00
Th	45.00	40.00	44.00	31.00	40.00	29.00	43.00	28.00	24.00	28.00	25.00	33.00
TiO ₂	0.76	0.70	0.81	0.54	0.61	0.77	0.60	0.95	0.69	1.22	0.90	0.66
U	7.00	6.00	7.00	4.00	6.00	5.00	10.00	7.00	6.00	3.00	6.00	8.00
V	78.00	78.00	82.00	43.00	64.00	79.00	66.00	64.00	67.00	82.00	76.00	68.00
W	8.00	12.00	13.00	9.00	10.00	13.00	9.00	17.00	2.00	8.00	4.00	11.00
Y	31.00	31.00	19.00	26.00	26.00	17.00	36.00	37.00	23.00	23.00	25.00	42.00
Zn	47.00	43.00	46.00	38.00	64.00	45.00	57.00	421.00	103.00	101.00	143.00	90.00
Zr	511.00	410.00	369.00	341.00	309.00	266.00	386.00	2531.00	444.00	928.00	565.00	1413.00

Sample	HK1587	HK1588	HK1589	HK1590	HK1591	HK1592	HK1593	HK1594	HK1595	HK1596	HK1597	HK1598
Ag	0.90	0.00	0.00	0.20	0.40	0.20	0.40	0.40	0.00	0.50	13.50	3.90
As	21.00	8.00	3.00	13.00	15.00	43.00	26.00	22.00	6.00	29.00	49.00	29.00
Ba	565.00	271.00	237.00	347.00	349.00	426.00	322.00	406.00	358.00	236.00	372.00	324.00
Bi	1.00	0.00	0.00	3.00	4.00	2.00	1.00	1.00	2.00	5.00	4.00	2.00
CaO	0.24	0.32	0.24	0.26	0.29	0.43	0.58	0.42	0.25	0.21	0.62	1.37
Cd	0.50	0.40	0.30	0.30	0.30	0.60	0.60	0.50	0.40	0.20	0.60	0.60
Ce	115.00	98.00	87.00	118.00	106.00	127.00	89.00	116.00	107.00	111.00	137.00	110.00
Co	18.00	5.00	5.00	10.00	8.00	9.00	11.00	8.00	13.00	4.00	12.00	7.00
Cr	18.00	24.00	25.00	28.00	14.00	29.00	68.00	216.00	16.00	35.00	50.00	52.00
Cs	17.00	11.00	9.00	11.00	16.00	16.00	9.00	1.00	7.00	9.00	0.00	0.00
Cu	13.00	21.00	6.50	9.80	6.10	24.30	83.00	143.60	7.90	10.70	57.80	117.00
Fe ₂ O ₃	5.21	4.83	2.65	5.32	2.79	5.10	6.61	4.70	4.00	3.81	4.42	5.31
Ga	14.00	9.00	6.00	9.00	14.00	16.00	11.00	11.00	11.00	11.00	13.00	9.00
Ge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hg	2.80	2.10	0.30	2.50	0.00	1.30	2.80	1.00	0.00	0.20	0.00	0.00
La	56.00	37.00	29.00	38.00	45.00	70.00	40.00	52.00	46.00	57.00	61.00	41.00
MnO	0.32	0.04	0.02	0.06	0.01	0.08	0.05	0.03	0.04	0.02	0.09	0.04
Mo	2.70	3.30	2.40	2.40	2.70	3.70	6.50	2.50	2.70	3.80	3.70	5.40
Nb	20.00	24.00	15.00	19.00	26.00	28.00	21.00	26.00	17.00	31.00	29.00	23.00
Ni	8.00	0.00	2.00	4.00	6.00	9.00	18.00	13.00	6.00	9.00	13.00	31.00
P ₂ O ₅	0.10	0.28	0.20	0.22	0.06	0.47	0.53	0.52	0.08	0.10	0.45	0.54
Pb	67.00	17.00	16.00	41.00	66.00	67.00	69.00	89.00	34.00	49.00	283.00	109.00
Rb	220.00	106.00	82.00	100.00	217.00	218.00	148.00	164.00	144.00	159.00	165.00	133.00
Sb	3.00	0.00	0.00	2.00	2.00	0.00	3.00	0.00	2.00	3.00	7.00	0.00
Sc	12.00	7.00	9.00	14.00	11.00	10.00	13.00	10.00	10.00	10.00	12.00	10.00
Se	0.90	1.00	0.60	0.90	0.70	0.80	0.80	0.80	0.80	0.80	0.80	0.60
Sn	6.00	7.00	5.00	9.00	11.00	19.00	29.00	24.00	6.00	6.00	57.00	45.00
Sr	34.00	28.00	21.00	21.00	22.00	35.00	38.00	30.00	25.00	17.00	36.00	37.00
Th	23.00	24.00	16.00	24.00	45.00	43.00	34.00	37.00	27.00	27.00	35.00	26.00
TiO ₂	0.61	1.27	0.87	0.91	0.67	0.79	0.75	0.85	0.85	0.93	0.83	0.71
U	4.00	8.00	5.00	9.00	8.00	8.00	9.00	10.00	7.00	10.00	9.00	9.00
V	72.00	74.00	53.00	69.00	58.00	64.00	62.00	64.00	64.00	65.00	60.00	52.00
W	10.00	6.00	0.00	4.00	10.00	8.00	13.00	17.00	11.00	7.00	12.00	13.00
Y	34.00	28.00	22.00	24.00	29.00	36.00	31.00	33.00	42.00	44.00	49.00	42.00
Zn	84.00	132.00	56.00	127.00	58.00	177.00	254.00	762.00	72.00	175.00	505.00	1235.00
Zr	581.00	1339.00	678.00	764.00	582.00	656.00	707.00	636.00	958.00	1124.00	1111.00	809.00

Sample	HK1599	HK1600	HK1601	HK1602	HK1603	HK1604	HK1605	HK1606	HK1607	HK1608	HK1609	HK1610
Ag	1.20	1.60	0.50	1.30	0.00	0.90	0.00	0.00	0.70	0.50	0.00	0.00
As	31.00	81.00	285.00	83.00	87.00	36.00	21.00	5.00	4.00	34.00	37.00	40.00
Ba	553.00	429.00	474.00	529.00	500.00	344.00	429.00	106.00	189.00	325.00	293.00	306.00
Bi	4.00	5.00	6.00	4.00	3.00	6.00	2.00	4.00	3.00	5.00	9.00	4.00
CaO	0.32	0.30	0.33	0.33	0.29	0.75	0.96	0.34	1.10	0.87	0.89	0.67
Cd	0.70	0.60	0.50	0.60	0.60	0.90	1.20	0.00	0.90	0.90	0.60	0.80
Ce	97.00	116.00	146.00	140.00	129.00	147.00	171.00	51.00	78.00	146.00	145.00	126.00
Co	10.00	7.00	8.00	11.00	14.00	17.00	18.00	0.00	0.00	10.00	12.00	10.00
Cr	23.00	31.00	28.00	35.00	51.00	47.00	63.00	7.00	19.00	34.00	42.00	25.00
Cs	14.00	0.00	10.00	0.00	8.00	15.00	8.00	6.00	3.00	8.00	9.00	4.00
Cu	15.70	492.40	24.40	529.50	77.90	19.70	17.90	2.90	5.10	40.70	82.90	18.90
Fe ₂ O ₃	4.46	4.12	5.33	4.85	5.37	6.44	6.94	1.16	2.67	6.30	7.26	4.46
Ga	13.00	11.00	19.00	18.00	15.00	23.00	17.00	0.00	4.00	21.00	17.00	17.00
Ge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hg	1.70	1.80	1.90	2.20	2.10	2.50	2.30	0.00	1.00	1.80	0.20	0.40
La	50.00	50.00	53.00	72.00	51.00	68.00	84.00	15.00	33.00	65.00	56.00	47.00
MnO	0.04	0.03	0.07	0.04	0.14	0.16	0.13	0.05	0.05	0.14	0.08	0.17
Mo	2.10	3.30	3.90	2.20	2.40	4.20	3.40	1.50	2.80	2.80	4.60	5.00
Nb	17.00	15.00	19.00	20.00	20.00	32.00	27.00	6.00	27.00	28.00	23.00	25.00
Ni	8.00	35.00	7.00	30.00	13.00	14.00	12.00	0.00	0.00	14.00	16.00	12.00
P ₂ O ₅	0.08	0.18	0.08	0.23	0.07	0.14	0.64	0.03	0.04	0.18	0.70	0.10
Pb	83.00	214.00	443.00	282.00	218.00	266.00	164.00	31.00	24.00	219.00	149.00	271.00
Rb	171.00	141.00	179.00	175.00	191.00	213.00	187.00	20.00	87.00	204.00	118.00	206.00
Sb	1.00	10.00	0.00	6.00	0.00	6.00	2.00	0.00	5.00	7.00	8.00	5.00
Sc	11.00	11.00	10.00	10.00	13.00	11.00	12.00	0.00	9.00	13.00	14.00	9.00
Se	0.90	0.70	0.90	0.90	1.00	1.00	1.10	0.00	0.60	0.90	1.00	0.60
Sn	2.00	56.00	23.00	78.00	28.00	24.00	130.00	8.00	15.00	36.00	57.00	15.00
Sr	43.00	35.00	32.00	38.00	35.00	51.00	67.00	11.00	50.00	55.00	38.00	47.00
Th	30.00	35.00	31.00	35.00	33.00	41.00	36.00	11.00	10.00	46.00	31.00	53.00
TiO ₂	0.69	0.72	0.68	0.74	0.74	0.68	0.90	0.31	0.86	0.73	0.86	0.50
U	7.00	9.00	7.00	11.00	9.00	9.00	10.00	2.00	6.00	11.00	8.00	13.00
V	68.00	54.00	69.00	71.00	76.00	74.00	84.00	20.00	47.00	69.00	73.00	51.00
W	11.00	7.00	10.00	14.00	10.00	14.00	15.00	0.00	9.00	18.00	8.00	9.00
Y	39.00	45.00	38.00	44.00	36.00	60.00	52.00	8.00	17.00	31.00	32.00	28.00
Zn	118.00	558.00	182.00	741.00	269.00	344.00	351.00	33.00	46.00	316.00	487.00	236.00
Zr	901.00	1682.00	1280.00	1021.00	820.00	421.00	611.00	376.00	985.00	485.00	636.00	477.00

Sample	HK1611	HK1612	HK1613	HK1614	HK1615	HK1616	HK1617	HK1618	HK1619	HK1620	HK1621	HK1622
Ag	0.90	0.70	0.70	0.00	0.30	0.00	0.00	0.00	0.00	0.50	0.30	0.30
As	41.00	39.00	68.00	0.00	54.00	95.00	2.00	61.00	20.00	67.00	0.00	0.00
Ba	275.00	281.00	157.00	603.00	813.00	811.00	494.00	440.00	532.00	509.00	599.00	560.00
Bi	2.00	2.00	5.00	4.00	4.00	2.00	3.00	2.00	5.00	0.00	16.00	20.00
CaO	0.76	0.81	0.36	0.55	0.71	0.45	0.29	0.41	0.54	0.51	0.54	0.60
Cd	0.80	0.80	0.40	1.50	3.10	1.50	0.90	0.80	0.90	0.90	0.80	0.80
Ce	139.00	131.00	128.00	339.00	308.00	198.00	229.00	210.00	187.00	167.00	143.00	162.00
Co	14.00	13.00	6.00	10.00	11.00	14.00	4.00	5.00	11.00	9.00	7.00	11.00
Cr	26.00	30.00	31.00	53.00	28.00	17.00	21.00	18.00	75.00	22.00	87.00	22.00
Cs	10.00	7.00	3.00	27.00	16.00	9.00	20.00	17.00	13.00	10.00	10.00	14.00
Cu	16.80	19.50	29.70	10.70	10.20	11.50	3.30	1.30	9.90	6.50	42.00	41.30
Fe ₂ O ₃	5.12	5.21	5.31	6.48	8.34	7.12	4.33	3.80	4.74	5.00	5.43	5.41
Ga	17.00	17.00	23.00	27.00	29.00	24.00	21.00	24.00	19.00	22.00	18.00	20.00
Ge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hg	1.50	1.20	0.00	2.10	3.30	2.40	1.60	0.60	1.90	1.50	0.30	0.90
La	60.00	52.00	47.00	180.00	176.00	91.00	68.00	67.00	58.00	69.00	68.00	71.00
MnO	0.14	0.18	0.09	0.33	0.37	0.22	0.05	0.09	0.23	0.19	0.36	0.34
Mo	3.70	3.10	3.90	3.80	2.00	1.60	3.90	1.70	2.90	1.80	7.10	6.40
Nb	26.00	24.00	26.00	33.00	29.00	34.00	56.00	56.00	59.00	49.00	42.00	40.00
Ni	13.00	14.00	9.00	10.00	13.00	9.00	14.00	14.00	13.00	13.00	14.00	13.00
P ₂ O ₅	0.14	0.13	0.09	0.18	0.17	0.16	0.08	0.08	0.21	0.08	0.45	0.43
Pb	282.00	241.00	365.00	77.00	48.00	39.00	58.00	46.00	55.00	45.00	115.00	92.00
Rb	191.00	201.00	161.00	184.00	276.00	189.00	216.00	175.00	211.00	248.00	254.00	231.00
Sb	3.00	6.00	6.00	6.00	2.00	4.00	1.00	3.00	0.00	1.00	0.00	6.00
Sc	10.00	9.00	9.00	18.00	20.00	18.00	10.00	11.00	9.00	7.00	15.00	9.00
Se	0.70	0.90	0.80	0.50	0.70	0.70	0.40	0.40	0.30	0.30	0.40	0.40
Sn	21.00	14.00	14.00	9.00	7.00	4.00	13.00	20.00	34.00	19.00	69.00	64.00
Sr	46.00	47.00	24.00	82.00	170.00	82.00	50.00	46.00	52.00	52.00	48.00	48.00
Th	46.00	43.00	56.00	38.00	47.00	34.00	59.00	63.00	48.00	53.00	47.00	42.00
TiO ₂	0.62	0.60	0.62	0.79	1.19	1.01	0.68	0.75	0.60	0.53	0.55	0.60
U	12.00	7.00	6.00	9.00	8.00	3.00	14.00	10.00	12.00	7.00	7.00	7.00
V	59.00	67.00	63.00	44.00	54.00	55.00	38.00	39.00	33.00	33.00	40.00	35.00
W	9.00	7.00	11.00	12.00	6.00	6.00	9.00	7.00	12.00	7.00	25.00	18.00
Y	28.00	29.00	15.00	64.00	44.00	37.00	42.00	44.00	46.00	42.00	56.00	54.00
Zn	294.00	314.00	175.00	133.00	160.00	127.00	97.00	78.00	203.00	141.00	401.00	318.00
Zr	445.00	418.00	241.00	741.00	1181.00	578.00	2364.00	946.00	1487.00	547.00	932.00	803.00

Sample	HK1623	HK1624	HK1625	HK1626	HK1627	HK1628	HK1629	HK1630	HK1631	HK1632	HK1633	HK1634
Ag	0.00	0.20	0.00	0.20	0.00	0.00	0.00	0.00	0.10	0.60	0.70	0.00
As	232.00	107.00	97.00	85.00	99.00	54.00	92.00	112.00	109.00	85.00	73.00	77.00
Ba	384.00	794.00	714.00	728.00	705.00	707.00	693.00	624.00	604.00	563.00	398.00	661.00
Bi	2.00	5.00	4.00	1.00	6.00	3.00	4.00	2.00	1.00	2.00	3.00	2.00
CaO	0.17	0.55	0.48	0.51	0.48	0.40	0.48	0.40	0.37	0.42	0.34	0.49
Cd	0.40	2.10	2.00	2.20	1.90	1.90	2.00	0.90	1.00	0.90	0.60	1.00
Ce	32.00	176.00	182.00	164.00	191.00	187.00	164.00	170.00	124.00	117.00	104.00	127.00
Co	4.00	8.00	8.00	8.00	7.00	7.00	8.00	10.00	6.00	8.00	5.00	8.00
Cr	5.00	38.00	35.00	13.00	20.00	14.00	62.00	10.00	18.00	122.00	14.00	11.00
Cs	9.00	10.00	12.00	18.00	21.00	16.00	15.00	13.00	21.00	14.00	0.00	8.00
Cu	30.50	7.00	5.70	5.70	4.80	5.60	2.60	2.90	5.70	2.90	6.40	5.70
Fe ₂ O ₃	2.54	5.82	5.96	5.82	6.13	6.14	5.75	4.64	4.43	4.60	3.79	5.04
Ga	0.00	19.00	20.00	21.00	21.00	23.00	21.00	19.00	18.00	17.00	20.00	20.00
Ge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hg	1.10	2.20	2.90	3.20	2.60	2.20	1.70	1.10	1.10	1.30	1.70	2.00
La	19.00	87.00	86.00	85.00	96.00	96.00	89.00	68.00	69.00	58.00	44.00	62.00
MnO	0.03	0.19	0.20	0.18	0.18	0.11	0.17	0.15	0.11	0.15	0.09	0.22
Mo	1.00	2.70	2.80	2.60	3.00	2.50	2.10	4.60	2.20	2.90	2.10	2.00
Nb	6.00	24.00	26.00	26.00	31.00	27.00	27.00	43.00	33.00	33.00	36.00	35.00
Ni	0.00	12.00	6.00	6.00	9.00	6.00	8.00	3.00	8.00	8.00	11.00	9.00
P ₂ O ₅	0.04	0.20	0.20	0.19	0.21	0.22	0.21	0.12	0.11	0.15	0.12	0.16
Pb	11.00	37.00	39.00	41.00	38.00	48.00	40.00	36.00	37.00	41.00	44.00	43.00
Rb	59.00	172.00	175.00	181.00	165.00	171.00	166.00	149.00	194.00	162.00	212.00	166.00
Sb	0.00	0.00	3.00	1.00	0.00	2.00	1.00	2.00	2.00	0.00	3.00	3.00
Sc	2.00	13.00	13.00	12.00	9.00	13.00	15.00	6.00	10.00	7.00	6.00	12.00
Se	0.00	0.50	0.50	0.50	0.70	0.60	0.50	0.40	0.30	0.30	0.20	0.40
Sn	6.00	8.00	13.00	18.00	40.00	10.00	12.00	11.00	14.00	12.00	19.00	19.00
Sr	27.00	118.00	112.00	120.00	103.00	107.00	109.00	55.00	59.00	50.00	36.00	60.00
Th	6.00	29.00	27.00	33.00	32.00	36.00	32.00	41.00	32.00	29.00	49.00	35.00
TiO ₂	0.29	0.75	0.82	0.73	0.88	0.85	0.78	0.74	0.51	0.60	0.48	0.64
U	0.00	2.00	3.00	4.00	7.00	8.00	2.00	8.00	5.00	5.00	9.00	7.00
V	21.00	45.00	45.00	41.00	54.00	51.00	45.00	39.00	34.00	33.00	27.00	40.00
W	0.00	5.00	7.00	3.00	4.00	8.00	6.00	3.00	7.00	11.00	5.00	4.00
Y	15.00	34.00	32.00	29.00	39.00	33.00	30.00	35.00	38.00	44.00	52.00	44.00
Zn	26.00	98.00	107.00	104.00	104.00	110.00	99.00	79.00	91.00	88.00	101.00	106.00
Zr	598.00	1225.00	1530.00	1453.00	1828.00	1334.00	1169.00	946.00	429.00	672.00	608.00	818.00

Sample	HK1635	HK1636	HK1637	HK1638	HK1639	HK1640	HK1641	HK1642	HK1643	HK1644	HK1645	HK1646
Ag	0.20	0.30	0.00	0.30	0.00	0.40	0.00	0.30	0.00	0.30	0.40	0.30
As	81.00	0.00	177.00	0.00	0.00	0.00	117.00	0.00	78.00	47.00	0.00	8.00
Ba	606.00	358.00	21.00	401.00	423.00	172.00	225.00	289.00	491.00	310.00	354.00	271.00
Bi	2.00	0.00	1.00	2.00	3.00	4.00	5.00	4.00	2.00	3.00	2.00	4.00
CaO	0.45	0.37	0.17	0.43	0.51	0.82	0.28	0.47	0.22	0.32	0.50	0.28
Cd	1.10	0.60	0.00	0.50	0.60	0.50	0.50	0.30	0.80	0.60	0.50	0.30
Ce	177.00	102.00	21.00	132.00	104.00	155.00	88.00	96.00	115.00	113.00	192.00	159.00
Co	4.00	7.00	0.00	11.00	12.00	7.00	4.00	6.00	6.00	6.00	9.00	7.00
Cr	88.00	12.00	8.00	26.00	23.00	36.00	11.00	33.00	176.00	26.00	12.00	13.00
Cs	14.00	5.00	11.00	35.00	36.00	0.00	13.00	9.00	36.00	13.00	13.00	22.00
Cu	16.50	12.20	42.00	13.60	10.60	170.80	3.10	9.80	0.20	3.80	17.30	11.60
Fe ₂ O ₃	5.01	3.88	0.89	4.67	4.67	4.84	2.68	3.23	3.93	3.84	5.04	4.17
Ga	22.00	22.00	2.00	22.00	22.00	36.00	17.00	18.00	22.00	25.00	23.00	25.00
Ge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hg	1.40	1.70	0.90	1.50	1.90	1.60	1.70	1.20	2.50	1.70	2.70	2.30
La	80.00	68.00	8.00	51.00	46.00	96.00	79.00	50.00	48.00	40.00	81.00	75.00
MnO	0.08	0.14	0.02	0.12	0.20	0.14	0.07	0.12	0.12	0.09	0.16	0.12
Mo	2.20	2.20	0.80	1.60	1.80	1.90	3.90	3.10	3.20	2.00	2.00	1.60
Nb	39.00	42.00	13.00	34.00	34.00	78.00	37.00	34.00	35.00	64.00	46.00	48.00
Ni	9.00	15.00	0.00	15.00	12.00	25.00	9.00	12.00	5.00	10.00	10.00	9.00
P ₂ O ₅	0.13	0.09	0.02	0.14	0.16	0.15	0.06	0.14	0.07	0.09	0.19	0.17
Pb	42.00	99.00	23.00	101.00	91.00	129.00	35.00	145.00	43.00	49.00	81.00	57.00
Rb	207.00	316.00	167.00	223.00	230.00	373.00	246.00	189.00	187.00	221.00	206.00	201.00
Sb	1.00	0.00	0.00	5.00	2.00	3.00	0.00	3.00	0.00	4.00	2.00	0.00
Sc	9.00	10.00	3.00	9.00	9.00	7.00	7.00	7.00	12.00	11.00	10.00	11.00
Se	0.40	0.30	0.00	0.70	0.60	0.00	0.20	0.00	0.30	0.30	0.30	0.20
Sn	12.00	30.00	33.00	24.00	23.00	161.00	14.00	41.00	14.00	30.00	25.00	13.00
Sr	65.00	38.00	4.00	32.00	36.00	29.00	29.00	23.00	45.00	35.00	34.00	23.00
Th	40.00	64.00	29.00	40.00	48.00	119.00	54.00	35.00	45.00	66.00	43.00	45.00
TiO ₂	0.68	0.48	0.05	0.75	0.69	0.31	0.33	0.37	0.57	0.48	0.46	0.41
U	11.00	11.00	4.00	10.00	11.00	20.00	5.00	10.00	4.00	9.00	5.00	7.00
V	38.00	31.00	8.00	57.00	47.00	17.00	22.00	20.00	34.00	28.00	28.00	26.00
W	13.00	18.00	0.00	12.00	11.00	15.00	10.00	3.00	7.00	10.00	8.00	8.00
Y	52.00	72.00	19.00	41.00	40.00	127.00	50.00	59.00	35.00	60.00	53.00	47.00
Zn	127.00	145.00	43.00	144.00	157.00	494.00	63.00	132.00	75.00	85.00	188.00	91.00
Zr	851.00	401.00	168.00	399.00	401.00	371.00	336.00	325.00	345.00	808.00	523.00	472.00

Sample	HK1647	HK1648	HK1649	HK1650	HK1651	HK1652	HK1653	HK1654	HK1655	HK1656	HK1657	HK1658
Ag	0.20	0.40	0.40	0.50	0.70	0.30	0.30	0.90	0.60	0.60	0.00	0.50
As	0.00	1.00	0.00	32.00	27.00	10.00	10.00	70.00	40.00	21.00	33.00	10.00
Ba	329.00	361.00	377.00	260.00	81.00	343.00	343.00	149.00	167.00	173.00	198.00	162.00
Bi	3.00	3.00	2.00	7.00	6.00	1.00	8.00	18.00	6.00	7.00	3.00	4.00
CaO	1.20	0.34	0.45	0.55	0.23	0.25	1.44	0.60	0.40	0.38	0.42	0.36
Cd	0.60	0.60	0.70	0.60	0.20	0.90	1.20	0.40	0.30	0.20	0.20	0.30
Ce	173.00	199.00	208.00	175.00	106.00	110.00	174.00	171.00	201.00	186.00	192.00	163.00
Co	9.00	6.00	6.00	7.00	4.00	3.00	7.00	8.00	3.00	3.00	4.00	3.00
Cr	24.00	10.00	23.00	27.00	50.00	13.00	67.00	66.00	63.00	67.00	58.00	51.00
Cs	0.00	12.00	13.00	5.00	6.00	9.00	9.00	0.00	6.00	7.00	9.00	9.00
Cu	58.20	4.10	2.50	54.00	19.60	5.30	8.00	185.20	24.90	25.10	5.20	2.50
Fe ₂ O ₃	7.07	5.15	4.25	5.35	2.55	3.95	4.57	4.59	3.00	3.20	3.31	3.19
Ga	22.00	21.00	20.00	20.00	17.00	15.00	15.00	24.00	25.00	26.00	26.00	28.00
Ge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hg	2.20	2.40	0.60	1.60	0.40	1.70	0.70	2.00	0.00	1.90	0.50	1.00
La	59.00	146.00	78.00	59.00	25.00	46.00	112.00	52.00	40.00	43.00	45.00	38.00
MnO	0.34	0.24	0.18	0.25	0.14	0.10	0.10	0.52	0.10	0.07	0.08	0.07
Mo	5.30	3.80	2.40	7.40	5.50	7.10	5.20	15.00	6.30	3.90	3.40	1.30
Nb	55.00	47.00	47.00	49.00	57.00	36.00	31.00	61.00	61.00	60.00	57.00	58.00
Ni	17.00	9.00	9.00	12.00	22.00	6.00	9.00	25.00	20.00	18.00	18.00	15.00
P ₂ O ₅	1.17	0.07	0.11	0.76	0.06	0.07	0.07	0.47	0.04	0.04	0.03	0.05
Pb	98.00	59.00	68.00	155.00	202.00	53.00	52.00	258.00	204.00	237.00	202.00	198.00
Rb	124.00	187.00	149.00	175.00	207.00	260.00	169.00	209.00	220.00	239.00	240.00	258.00
Sb	0.00	2.00	0.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00
Sc	8.00	10.00	10.00	7.00	6.00	8.00	13.00	8.00	10.00	8.00	6.00	10.00
Se	0.30	0.20	0.30	0.20	0.00	0.40	0.30	0.00	0.00	0.00	0.20	0.00
Sn	71.00	18.00	16.00	36.00	15.00	15.00	11.00	57.00	50.00	36.00	34.00	30.00
Sr	36.00	36.00	41.00	37.00	15.00	52.00	71.00	24.00	20.00	18.00	17.00	20.00
Th	44.00	41.00	37.00	51.00	53.00	40.00	34.00	63.00	72.00	76.00	80.00	78.00
TiO ₂	0.61	0.47	0.50	0.33	0.17	0.35	0.42	0.23	0.22	0.24	0.22	0.23
U	12.00	7.00	8.00	8.00	9.00	6.00	7.00	9.00	10.00	11.00	12.00	11.00
V	34.00	22.00	30.00	25.00	19.00	35.00	29.00	19.00	20.00	21.00	23.00	22.00
W	18.00	12.00	5.00	16.00	5.00	7.00	9.00	17.00	9.00	8.00	7.00	7.00
Y	55.00	68.00	50.00	63.00	68.00	35.00	76.00	89.00	60.00	63.00	62.00	58.00
Zn	582.00	109.00	131.00	288.00	105.00	117.00	97.00	594.00	90.00	87.00	88.00	78.00
Zr	863.00	599.00	649.00	447.00	217.00	256.00	530.00	257.00	260.00	280.00	295.00	320.00

Sample	HK1659	HK1660	HK1661	HK1662	HK1663	HK1664	HK1665	HK1666	HK1667	HK1668	HK1669	HK1670
Ag	0.50	0.30	0.00	0.40	0.20	0.00	0.00	0.30	0.30	0.30	0.30	0.00
As	22.00	21.00	19.00	39.00	25.00	20.00	17.00	33.00	13.00	31.00	17.00	2.00
Ba	160.00	153.00	134.00	112.00	130.00	106.00	98.00	76.00	79.00	111.00	79.00	0.00
Bi	3.00	4.00	3.00	4.00	2.00	1.00	2.00	2.00	0.00	1.00	8.00	0.00
CaO	0.41	0.32	0.26	0.26	0.31	0.28	0.26	0.23	0.22	0.31	0.28	0.18
Cd	0.00	0.30	0.20	0.20	0.20	0.20	0.20	0.00	0.20	0.40	0.20	0.00
Ce	202.00	210.00	229.00	381.00	292.00	231.00	198.00	147.00	192.00	249.00	201.00	31.00
Co	5.00	5.00	4.00	3.00	4.00	5.00	5.00	5.00	4.00	5.00	9.00	0.00
Cr	63.00	52.00	60.00	51.00	80.00	76.00	14.00	39.00	43.00	46.00	123.00	9.00
Cs	7.00	5.00	11.00	19.00	26.00	21.00	15.00	18.00	20.00	12.00	14.00	4.00
Cu	9.00	2.90	0.90	1.30	3.90	11.50	10.90	3.20	3.80	14.50	11.30	17.10
Fe ₂ O ₃	3.15	3.16	2.98	3.00	3.67	4.71	2.83	3.12	2.47	5.89	4.92	0.71
Ga	27.00	28.00	29.00	34.00	33.00	24.00	20.00	31.00	35.00	29.00	23.00	0.00
Ge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hg	1.30	1.40	0.00	0.00	1.50	0.00	0.10	0.70	1.00	1.90	1.20	0.00
La	39.00	36.00	36.00	54.00	52.00	38.00	33.00	62.00	54.00	44.00	39.00	5.00
MnO	0.06	0.08	0.07	0.03	0.07	0.06	0.02	0.05	0.00	0.08	0.13	0.03
Mo	2.20	1.20	1.50	1.20	1.70	2.30	1.30	2.60	0.50	2.20	1.90	1.90
Nb	54.00	53.00	51.00	59.00	54.00	39.00	40.00	44.00	52.00	39.00	38.00	7.00
Ni	16.00	16.00	14.00	13.00	16.00	15.00	11.00	12.00	14.00	16.00	15.00	0.00
P ₂ O ₅	0.02	0.02	0.03	0.02	0.03	0.78	0.19	0.06	0.04	0.31	0.36	0.02
Pb	187.00	200.00	157.00	313.00	156.00	153.00	134.00	216.00	101.00	195.00	145.00	29.00
Rb	290.00	321.00	429.00	431.00	425.00	387.00	409.00	392.00	440.00	380.00	375.00	182.00
Sb	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.00	7.00	1.00
Sc	6.00	6.00	10.00	8.00	10.00	6.00	4.00	6.00	5.00	6.00	6.00	4.00
Se	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.20	0.30	0.00	0.00
Sn	31.00	30.00	23.00	27.00	23.00	23.00	29.00	16.00	21.00	11.00	21.00	8.00
Sr	18.00	21.00	15.00	14.00	15.00	16.00	15.00	12.00	14.00	30.00	18.00	4.00
Th	76.00	80.00	93.00	127.00	99.00	73.00	67.00	97.00	88.00	81.00	63.00	11.00
TiO ₂	0.20	0.22	0.22	0.22	0.24	0.21	0.21	0.20	0.22	0.28	0.19	0.08
U	9.00	12.00	12.00	13.00	15.00	13.00	13.00	9.00	12.00	10.00	11.00	2.00
V	17.00	22.00	21.00	17.00	23.00	21.00	19.00	14.00	15.00	32.00	18.00	7.00
W	11.00	8.00	8.00	11.00	11.00	7.00	8.00	6.00	2.00	5.00	2.00	0.00
Y	56.00	55.00	37.00	47.00	54.00	35.00	37.00	53.00	41.00	34.00	37.00	9.00
Zn	70.00	72.00	50.00	56.00	58.00	74.00	72.00	44.00	46.00	76.00	52.00	22.00
Zr	310.00	302.00	431.00	481.00	687.00	651.00	782.00	465.00	218.00	231.00	456.00	63.00

Sample	HK1671	HK1672	HK1673	HK1674	HK1675	HK1676	HK1677	HK1678	HK1679	HK1680	HK1681	HK1682
Ag	0.60	0.60	0.00	0.60	0.20	0.80	0.70	0.00	0.40	0.30	0.40	0.50
As	1.00	3.00	22.00	6.00	11.00	12.00	9.00	7.00	12.00	7.00	5.00	9.00
Ba	0.00	307.00	199.00	48.00	66.00	61.00	61.00	168.00	136.00	530.00	370.00	612.00
Bi	0.00	6.00	6.00	11.00	5.00	3.00	0.00	4.00	4.00	4.00	0.00	5.00
CaO	0.18	1.39	0.62	0.22	0.24	0.24	0.22	0.26	0.26	0.93	0.75	1.21
Cd	0.00	3.50	0.90	0.00	0.20	0.20	0.20	0.30	0.30	1.40	1.10	1.70
Ce	26.00	88.00	117.00	127.00	152.00	165.00	141.00	153.00	127.00	128.00	179.00	141.00
Co	0.00	13.00	8.00	0.00	3.00	6.00	4.00	0.00	6.00	10.00	10.00	14.00
Cr	6.00	141.00	158.00	118.00	33.00	18.00	79.00	65.00	18.00	19.00	73.00	114.00
Cs	3.00	15.00	8.00	13.00	11.00	9.00	7.00	15.00	3.00	9.00	12.00	6.00
Cu	0.50	21.00	11.10	2.40	5.30	2.40	4.00	2.30	4.10	7.90	12.80	7.80
Fe ₂ O ₃	0.61	6.70	3.21	3.07	3.18	2.66	2.30	2.70	2.34	4.19	5.62	6.26
Ga	2.00	21.00	15.00	27.00	31.00	31.00	26.00	25.00	20.00	14.00	17.00	19.00
Ge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hg	0.00	2.30	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80
La	8.00	47.00	48.00	18.00	19.00	33.00	26.00	18.00	17.00	47.00	51.00	49.00
MnO	0.02	0.22	0.06	0.03	0.05	0.06	0.04	0.07	0.07	0.07	0.03	0.23
Mo	1.00	11.60	4.30	2.90	1.90	1.40	3.50	6.90	6.30	2.10	2.00	8.50
Nb	1.00	21.00	30.00	49.00	54.00	54.00	46.00	41.00	39.00	17.00	16.00	19.00
Ni	3.00	20.00	19.00	14.00	15.00	15.00	16.00	13.00	11.00	9.00	9.00	9.00
P ₂ O ₅	0.01	0.06	0.09	0.03	0.02	0.03	0.02	0.03	0.03	0.05	0.07	0.06
Pb	28.00	70.00	200.00	74.00	82.00	104.00	103.00	82.00	68.00	45.00	55.00	42.00
Rb	176.00	411.00	377.00	384.00	406.00	465.00	489.00	357.00	344.00	208.00	92.00	253.00
Sb	0.00	4.00	0.00	1.00	3.00	7.00	0.00	2.00	1.00	4.00	0.00	0.00
Sc	3.00	12.00	7.00	7.00	7.00	9.00	7.00	7.00	5.00	8.00	8.00	10.00
Se	0.00	1.30	0.60	0.20	0.20	0.20	0.00	0.00	0.00	0.80	1.30	1.20
Sn	7.00	29.00	27.00	17.00	16.00	13.00	12.00	22.00	25.00	8.00	0.00	34.00
Sr	5.00	198.00	53.00	11.00	15.00	15.00	16.00	23.00	22.00	81.00	64.00	102.00
Th	15.00	38.00	53.00	96.00	95.00	101.00	77.00	72.00	78.00	22.00	19.00	28.00
TiO ₂	0.07	0.78	0.47	0.23	0.26	0.20	0.19	0.25	0.19	0.56	0.84	0.68
U	0.00	6.00	13.00	8.00	11.00	10.00	7.00	8.00	10.00	6.00	6.00	5.00
V	5.00	94.00	51.00	24.00	19.00	19.00	16.00	20.00	13.00	60.00	92.00	84.00
W	2.00	42.00	11.00	6.00	4.00	4.00	7.00	7.00	0.00	10.00	4.00	10.00
Y	4.00	35.00	61.00	32.00	33.00	41.00	30.00	37.00	35.00	24.00	28.00	18.00
Zn	19.00	140.00	83.00	48.00	57.00	57.00	45.00	66.00	53.00	62.00	68.00	78.00
Zr	47.00	190.00	336.00	321.00	299.00	240.00	261.00	233.00	271.00	491.00	478.00	375.00

Sample	HK1683	HK1684	HK1685	HK1686	HK1687	HK1688	HK1689	HK1690	HK1691	HK1692	HK1693	HK1694
Ag	0.50	0.40	0.20	0.00	0.00	0.00	0.00	0.50	0.20	0.40	0.50	0.40
As	18.00	22.00	7.00	2.00	6.00	12.00	5.00	19.00	20.00	7.00	11.00	15.00
Ba	47.00	20.00	0.00	0.00	488.00	81.00	49.00	51.00	58.00	41.00	38.00	50.00
Bi	5.00	2.00	0.00	6.00	0.00	1.00	0.00	31.00	21.00	46.00	25.00	27.00
CaO	0.22	0.21	0.23	0.17	1.24	0.55	0.45	0.29	0.29	0.24	0.26	0.26
Cd	0.00	0.00	0.00	0.00	2.00	0.20	0.30	0.00	0.20	0.00	0.00	0.00
Ce	168.00	216.00	102.00	44.00	136.00	90.00	89.00	134.00	128.00	131.00	140.00	119.00
Co	0.00	0.00	0.00	0.00	11.00	3.00	3.00	5.00	9.00	4.00	0.00	4.00
Cr	54.00	10.00	11.00	7.00	27.00	13.00	32.00	27.00	22.00	16.00	144.00	177.00
Cs	10.00	6.00	5.00	0.00	10.00	0.00	12.00	17.00	16.00	18.00	18.00	15.00
Cu	1.00	4.30	16.30	0.00	8.40	28.00	7.90	7.20	6.80	3.50	3.40	6.60
Fe ₂ O ₃	2.89	2.47	2.22	0.24	4.21	2.24	1.97	4.23	3.75	3.19	3.45	3.47
Ga	26.00	23.00	13.00	0.00	13.00	14.00	19.00	42.00	45.00	35.00	39.00	36.00
Ge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hg	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
La	21.00	32.00	15.00	14.00	45.00	18.00	21.00	26.00	47.00	22.00	24.00	25.00
MnO	0.07	0.07	0.00	0.00	0.05	0.02	0.03	0.20	0.08	0.03	0.04	0.04
Mo	5.10	3.40	3.50	0.30	1.50	1.80	1.70	9.10	10.80	26.90	18.50	13.00
Nb	61.00	51.00	32.00	5.00	13.00	33.00	47.00	76.00	83.00	59.00	62.00	62.00
Ni	13.00	8.00	3.00	0.00	10.00	11.00	11.00	21.00	32.00	15.00	17.00	18.00
P ₂ O ₅	0.03	0.02	0.23	0.02	0.07	0.49	0.41	0.04	0.05	0.01	0.02	0.02
Pb	148.00	179.00	46.00	9.00	58.00	63.00	69.00	158.00	180.00	59.00	81.00	132.00
Rb	274.00	268.00	155.00	21.00	186.00	223.00	265.00	495.00	632.00	429.00	436.00	466.00
Sb	1.00	4.00	2.00	1.00	8.00	6.00	0.00	4.00	0.00	0.00	4.00	0.00
Sc	7.00	8.00	4.00	2.00	9.00	5.00	5.00	4.00	5.00	4.00	8.00	5.00
Se	0.20	0.00	0.00	0.00	0.80	0.00	0.00	0.20	0.00	0.00	0.20	0.20
Sn	20.00	14.00	18.00	41.00	0.00	58.00	61.00	59.00	94.00	51.00	80.00	35.00
Sr	10.00	9.00	9.00	2.00	117.00	19.00	22.00	10.00	15.00	10.00	10.00	12.00
Th	95.00	94.00	37.00	15.00	27.00	40.00	54.00	104.00	109.00	104.00	101.00	102.00
TiO ₂	0.20	0.19	0.15	0.01	0.56	0.16	0.19	0.20	0.20	0.19	0.19	0.21
U	7.00	9.00	7.00	4.00	7.00	7.00	7.00	9.00	14.00	13.00	13.00	13.00
V	16.00	11.00	14.00	6.00	63.00	15.00	15.00	21.00	19.00	20.00	23.00	23.00
W	11.00	11.00	2.00	6.00	3.00	0.00	5.00	17.00	20.00	9.00	16.00	13.00
Y	59.00	66.00	28.00	15.00	25.00	46.00	58.00	74.00	152.00	53.00	50.00	55.00
Zn	46.00	39.00	55.00	7.00	65.00	303.00	104.00	88.00	87.00	49.00	52.00	64.00
Zr	407.00	401.00	422.00	154.00	603.00	425.00	513.00	204.00	283.00	519.00	497.00	370.00

Sample	HK1695	HK1696	HK1697	HK1698	HK1699	HK1700	HK1701	HK1702	HK1703	HK1704	HK1705	HK1706
Ag	0.30	0.30	0.20	0.20	0.70	0.50	0.70	1.00	0.70	1.20	0.00	0.60
As	18.00	8.00	3.00	28.00	35.00	16.00	21.00	19.00	22.00	12.00	9.00	13.00
Ba	90.00	0.00	0.00	82.00	136.00	43.00	40.00	98.00	206.00	784.00	97.00	57.00
Bi	0.00	0.00	0.00	0.00	3.00	10.00	0.00	14.00	7.00	26.00	18.00	20.00
CaO	0.26	0.18	0.17	0.26	0.40	0.21	0.22	0.32	0.46	0.76	0.28	0.27
Cd	0.20	0.00	0.00	0.30	0.80	0.00	0.00	0.20	0.60	0.70	0.00	0.00
Ce	140.00	66.00	35.00	188.00	223.00	103.00	108.00	153.00	150.00	143.00	171.00	101.00
Co	3.00	0.00	0.00	6.00	8.00	0.00	4.00	5.00	9.00	32.00	4.00	4.00
Cr	20.00	14.00	9.00	157.00	104.00	9.00	30.00	51.00	37.00	184.00	208.00	126.00
Cs	8.00	6.00	3.00	9.00	8.00	14.00	9.00	12.00	11.00	14.00	10.00	16.00
Cu	9.50	0.90	0.90	13.80	7.50	0.10	1.70	19.40	16.70	12.50	9.10	3.40
Fe ₂ O ₃	2.10	0.92	0.57	2.81	3.28	2.36	2.05	4.34	5.00	10.59	2.93	3.38
Ga	26.00	4.00	0.00	32.00	30.00	37.00	28.00	32.00	29.00	27.00	17.00	35.00
Ge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hg	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.70	3.10	0.30	0.90
La	39.00	14.00	6.00	44.00	98.00	45.00	43.00	38.00	43.00	87.00	40.00	19.00
MnO	0.04	0.00	0.00	0.03	0.19	0.07	0.06	0.13	0.05	0.12	0.02	0.03
Mo	1.30	0.60	1.10	1.90	12.40	2.00	2.50	8.30	6.70	21.00	13.50	11.50
Nb	42.00	19.00	10.00	51.00	50.00	75.00	69.00	50.00	45.00	27.00	34.00	56.00
Ni	15.00	5.00	0.00	15.00	31.00	21.00	25.00	22.00	20.00	26.00	13.00	16.00
P ₂ O ₅	0.03	0.00	0.01	0.02	0.07	0.00	0.01	0.06	0.08	0.11	0.09	0.02
Pb	175.00	76.00	61.00	257.00	288.00	186.00	174.00	143.00	179.00	94.00	52.00	95.00
Rb	494.00	229.00	181.00	461.00	507.00	606.00	611.00	428.00	357.00	278.00	276.00	435.00
Sb	6.00	13.00	10.00	4.00	0.00	0.00	3.00	2.00	1.00	0.00	0.00	0.00
Sc	5.00	3.00	3.00	4.00	6.00	7.00	6.00	5.00	6.00	21.00	7.00	6.00
Se	0.00	0.00	0.00	0.20	0.20	0.00	0.00	0.30	0.60	2.30	0.30	0.20
Sn	14.00	2.00	5.00	16.00	31.00	21.00	17.00	244.00	211.00	86.00	129.00	41.00
Sr	19.00	6.00	6.00	20.00	51.00	13.00	13.00	18.00	37.00	43.00	11.00	12.00
Th	69.00	15.00	13.00	88.00	82.00	85.00	79.00	94.00	80.00	34.00	62.00	90.00
TiO ₂	0.16	0.04	0.03	0.19	0.20	0.13	0.13	0.27	0.48	1.19	0.32	0.21
U	12.00	7.00	3.00	7.00	16.00	10.00	12.00	17.00	12.00	8.00	12.00	10.00
V	16.00	6.00	6.00	22.00	22.00	10.00	11.00	29.00	51.00	153.00	33.00	24.00
W	5.00	0.00	0.00	4.00	9.00	17.00	12.00	11.00	12.00	42.00	11.00	11.00
Y	46.00	17.00	8.00	51.00	137.00	103.00	100.00	63.00	63.00	82.00	47.00	37.00
Zn	58.00	12.00	13.00	61.00	110.00	45.00	37.00	114.00	151.00	123.00	65.00	57.00
Zr	430.00	106.00	48.00	315.00	247.00	275.00	417.00	370.00	458.00	392.00	513.00	257.00

Sample	HK1707	HK1708	HK1709	HK1710	HK1711	HK1712	HK1713	HK1714	HK1715	HK1716	HK1717	HK1718
Ag	0.90	1.00	0.90	3.90	0.50	0.50	0.30	0.00	0.30	0.50	0.40	0.60
As	30.00	27.00	30.00	29.00	34.00	20.00	0.00	17.00	20.00	9.00	7.00	21.00
Ba	487.00	518.00	532.00	569.00	532.00	607.00	55.00	515.00	308.00	263.00	332.00	500.00
Bi	41.00	19.00	61.00	52.00	42.00	29.00	10.00	15.00	11.00	9.00	9.00	42.00
CaO	0.90	1.13	1.09	0.64	0.90	0.71	0.26	0.46	0.50	0.72	0.87	0.76
Cd	1.30	1.70	1.40	0.70	1.30	0.80	0.00	0.40	0.30	0.80	0.80	0.90
Ce	135.00	138.00	137.00	166.00	133.00	190.00	70.00	250.00	151.00	154.00	135.00	136.00
Co	15.00	14.00	20.00	17.00	12.00	23.00	0.00	18.00	15.00	13.00	15.00	15.00
Cr	39.00	48.00	50.00	58.00	39.00	124.00	17.00	127.00	111.00	200.00	77.00	39.00
Cs	13.00	9.00	21.00	18.00	16.00	10.00	5.00	18.00	25.00	4.00	2.00	12.00
Cu	26.90	23.10	27.30	25.70	28.30	20.80	10.20	20.10	19.40	13.70	17.50	22.80
Fe ₂ O ₃	8.25	6.76	8.54	7.49	8.63	8.90	2.27	8.08	8.49	5.17	6.00	6.46
Ga	22.00	23.00	22.00	25.00	24.00	24.00	0.00	25.00	25.00	21.00	18.00	22.00
Ge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hg	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
La	60.00	68.00	76.00	73.00	65.00	92.00	26.00	69.00	54.00	50.00	55.00	68.00
MnO	0.15	0.21	0.25	0.16	0.25	0.27	0.15	0.13	0.08	0.06	0.10	0.14
Mo	19.90	7.20	28.00	44.10	23.60	23.40	3.60	13.30	9.30	3.30	1.90	23.00
Nb	24.00	22.00	18.00	20.00	21.00	23.00	68.00	18.00	32.00	29.00	24.00	21.00
Ni	19.00	14.00	23.00	21.00	18.00	24.00	0.00	23.00	22.00	21.00	28.00	23.00
P ₂ O ₅	0.13	0.11	0.14	0.11	0.13	0.17	0.03	0.14	0.15	0.13	0.13	0.12
Pb	185.00	187.00	160.00	165.00	165.00	100.00	102.00	70.00	60.00	64.00	70.00	137.00
Rb	336.00	272.00	424.00	449.00	383.00	443.00	44.00	434.00	328.00	235.00	256.00	355.00
Sb	4.00	0.00	2.00	5.00	0.00	5.00	0.00	1.00	0.00	5.00	0.00	0.00
Sc	15.00	13.00	18.00	16.00	13.00	13.00	5.00	15.00	15.00	9.00	9.00	17.00
Se	1.70	1.50	1.70	1.50	1.60	1.60	1.20	1.60	1.70	0.90	1.20	1.50
Sn	142.00	141.00	73.00	88.00	106.00	83.00	1323.00	72.00	65.00	33.00	42.00	131.00
Sr	78.00	100.00	83.00	46.00	75.00	50.00	7.00	27.00	24.00	48.00	51.00	58.00
Th	48.00	44.00	43.00	46.00	52.00	46.00	13.00	33.00	57.00	48.00	46.00	43.00
TiO ₂	1.01	0.90	0.94	0.89	0.92	0.81	3.17	0.86	0.93	0.68	0.66	1.01
U	6.00	7.00	7.00	5.00	6.00	11.00	2.00	8.00	10.00	7.00	7.00	9.00
V	120.00	102.00	117.00	107.00	112.00	109.00	87.00	111.00	115.00	70.00	86.00	108.00
W	56.00	29.00	62.00	80.00	42.00	38.00	223.00	24.00	29.00	8.00	9.00	63.00
Y	26.00	30.00	33.00	34.00	27.00	45.00	20.00	28.00	42.00	39.00	42.00	36.00
Zn	347.00	399.00	375.00	240.00	348.00	209.00	63.00	220.00	145.00	91.00	108.00	251.00
Zr	670.00	686.00	359.00	387.00	382.00	346.00	328.00	499.00	440.00	567.00	743.00	623.00

Sample	HK1719	HK1720	HK1721	HK1722	HK1723	HK1724	HK1725	HK1726	HK1727	HK1728	HK1729	HK1730
Ag	0.60	0.40	0.50	0.00	0.00	0.20	0.50	0.20	0.40	0.30	0.50	0.40
As	19.00	18.00	16.00	25.00	8.00	8.00	14.00	37.00	21.00	12.00	4.00	10.00
Ba	535.00	429.00	319.00	391.00	132.00	232.00	597.00	541.00	446.00	84.00	28.00	34.00
Bi	52.00	40.00	3.00	0.00	0.00	3.00	1.00	0.00	5.00	10.00	5.00	8.00
CaO	0.77	0.69	0.43	0.23	0.24	0.20	0.48	0.37	0.26	0.26	0.23	0.22
Cd	1.00	0.80	0.90	1.00	0.00	0.30	1.00	0.80	0.70	0.20	0.00	0.00
Ce	158.00	140.00	220.00	129.00	194.00	216.00	161.00	184.00	158.00	131.00	93.00	91.00
Co	15.00	15.00	10.00	4.00	5.00	6.00	8.00	9.00	9.00	5.00	0.00	3.00
Cr	40.00	39.00	10.00	43.00	14.00	6.00	8.00	17.00	9.00	25.00	16.00	30.00
Cs	14.00	9.00	0.00	10.00	8.00	11.00	10.00	15.00	14.00	16.00	9.00	18.00
Cu	25.10	22.60	2.50	6.80	0.00	1.00	5.50	5.40	5.80	7.40	4.30	5.70
Fe ₂ O ₃	8.04	7.40	4.69	5.44	2.37	3.55	4.39	4.96	4.66	3.19	2.48	3.57
Ga	26.00	21.00	16.00	11.00	11.00	25.00	11.00	16.00	14.00	37.00	24.00	33.00
Ge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hg	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
La	79.00	59.00	357.00	61.00	48.00	125.00	77.00	103.00	70.00	29.00	15.00	15.00
MnO	0.15	0.14	0.36	0.09	0.10	0.04	0.37	0.18	0.08	0.05	0.02	0.03
Mo	25.80	28.00	2.70	3.60	2.00	2.10	3.00	2.80	2.20	2.50	2.00	2.30
Nb	21.00	26.00	32.00	45.00	35.00	20.00	25.00	26.00	31.00	67.00	57.00	64.00
Ni	19.00	20.00	21.00	3.00	7.00	5.00	7.00	11.00	4.00	14.00	14.00	16.00
P ₂ O ₅	0.11	0.11	0.27	0.08	0.04	0.04	0.15	0.13	0.10	0.02	0.02	0.02
Pb	141.00	114.00	50.00	48.00	43.00	52.00	59.00	63.00	49.00	121.00	65.00	78.00
Rb	420.00	338.00	124.00	135.00	90.00	188.00	154.00	165.00	156.00	515.00	433.00	381.00
Sb	0.00	0.00	3.00	3.00	3.00	2.00	0.00	0.00	5.00	6.00	0.00	0.00
Sc	15.00	15.00	9.00	8.00	8.00	10.00	7.00	10.00	8.00	4.00	5.00	6.00
Se	1.70	1.70	0.40	0.80	0.00	0.30	0.40	0.50	0.60	0.00	0.00	0.20
Sn	107.00	129.00	4.00	13.00	8.00	4.00	3.00	3.00	0.00	69.00	70.00	77.00
Sr	63.00	50.00	55.00	60.00	13.00	20.00	63.00	51.00	45.00	14.00	10.00	9.00
Th	48.00	44.00	32.00	26.00	35.00	47.00	33.00	31.00	31.00	94.00	73.00	86.00
TiO ₂	1.00	1.09	0.53	1.09	0.24	0.37	0.60	0.59	0.72	0.20	0.18	0.23
U	9.00	8.00	6.00	6.00	4.00	6.00	8.00	7.00	6.00	14.00	15.00	15.00
V	119.00	118.00	38.00	59.00	15.00	30.00	35.00	44.00	49.00	15.00	15.00	26.00
W	66.00	50.00	7.00	0.00	8.00	4.00	5.00	3.00	0.00	10.00	7.00	7.00
Y	34.00	37.00	179.00	35.00	53.00	41.00	39.00	51.00	41.00	50.00	37.00	42.00
Zn	278.00	202.00	100.00	48.00	78.00	85.00	136.00	92.00	72.00	77.00	52.00	62.00
Zr	472.00	826.00	704.00	727.00	416.00	326.00	701.00	560.00	759.00	458.00	696.00	524.00

Sample	HK1731	HK1732	HK1733	HK1734	HK1735	HK1736	HK1737	HK1738	HK1739	HK1740	HK1741	HK1742
Ag	0.70	0.80	0.70	0.30	0.60	0.60	0.20	0.60	0.20	0.40	0.20	20.60
As	5.00	12.00	4.00	18.00	4.00	20.00	7.00	12.00	10.00	24.00	15.00	36.00
Ba	16.00	62.00	33.00	77.00	27.00	70.00	72.00	44.00	30.00	50.00	430.00	482.00
Bi	4.00	5.00	2.00	9.00	0.00	4.00	27.00	11.00	5.00	7.00	8.00	22.00
CaO	0.19	0.25	0.23	0.34	0.21	0.31	0.42	0.27	0.24	0.26	0.57	1.05
Cd	0.00	0.00	0.00	0.20	0.00	0.00	0.20	0.00	0.00	0.00	0.60	1.70
Ce	112.00	134.00	109.00	167.00	98.00	108.00	74.00	129.00	107.00	108.00	143.00	140.00
Co	0.00	6.00	7.00	8.00	0.00	5.00	0.00	6.00	0.00	7.00	10.00	10.00
Cr	24.00	62.00	191.00	56.00	22.00	75.00	22.00	15.00	127.00	110.00	34.00	118.00
Cs	10.00	14.00	11.00	9.00	15.00	14.00	5.00	21.00	13.00	13.00	0.00	4.00
Cu	2.50	9.60	10.80	6.10	1.10	6.30	20.30	2.60	2.30	8.60	8.50	21.80
Fe ₂ O ₃	2.28	4.82	3.22	4.14	2.49	4.18	2.45	3.36	2.67	2.90	4.80	5.78
Ga	22.00	38.00	28.00	39.00	24.00	31.00	18.00	37.00	37.00	40.00	18.00	21.00
Ge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	3.00	1.00	2.00
Hg	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.20	0.00	0.00	0.00
La	20.00	25.00	19.00	27.00	19.00	18.00	15.00	19.00	17.00	39.00	67.00	64.00
MnO	0.00	0.05	0.03	0.08	0.02	0.12	0.05	0.04	0.05	0.12	0.21	0.29
Mo	2.20	5.40	4.50	3.20	1.40	3.90	7.90	10.60	4.60	6.50	2.40	4.70
Nb	62.00	76.00	65.00	60.00	61.00	53.00	37.00	55.00	66.00	82.00	20.00	21.00
Ni	12.00	20.00	19.00	16.00	11.00	14.00	10.00	16.00	19.00	26.00	7.00	13.00
P ₂ O ₅	0.01	0.03	0.02	0.04	0.02	0.05	0.51	0.02	0.02	0.02	0.11	0.13
Pb	51.00	116.00	83.00	159.00	60.00	68.00	97.00	81.00	114.00	246.00	87.00	259.00
Rb	359.00	384.00	443.00	396.00	272.00	243.00	287.00	442.00	530.00	617.00	129.00	205.00
Sb	5.00	0.00	0.00	3.00	2.00	3.00	3.00	2.00	0.00	2.00	3.00	7.00
Sc	5.00	9.00	6.00	6.00	5.00	8.00	5.00	4.00	6.00	5.00	9.00	11.00
Se	0.00	0.40	0.20	0.00	0.00	0.30	0.00	0.00	0.00	0.00	0.80	1.10
Sn	159.00	178.00	162.00	81.00	104.00	65.00	181.00	42.00	54.00	52.00	80.00	63.00
Sr	9.00	12.00	10.00	14.00	6.00	12.00	14.00	9.00	11.00	11.00	39.00	102.00
Th	83.00	92.00	80.00	106.00	72.00	73.00	61.00	97.00	75.00	86.00	34.00	37.00
TiO ₂	0.19	0.30	0.22	0.23	0.18	0.29	0.15	0.19	0.14	0.12	0.74	0.81
U	21.00	19.00	21.00	14.00	18.00	11.00	11.00	11.00	10.00	17.00	7.00	7.00
V	20.00	34.00	24.00	20.00	13.00	28.00	17.00	16.00	13.00	15.00	61.00	79.00
W	10.00	16.00	11.00	10.00	9.00	3.00	20.00	12.00	13.00	21.00	23.00	12.00
Y	51.00	61.00	64.00	52.00	51.00	52.00	57.00	32.00	41.00	122.00	31.00	33.00
Zn	42.00	86.00	66.00	161.00	35.00	83.00	119.00	60.00	58.00	76.00	338.00	441.00
Zr	1231.00	858.00	1281.00	491.00	1018.00	304.00	505.00	352.00	318.00	325.00	590.00	791.00

Sample	HK1743	HK1744	HK1745	HK1746	HK1747	HK1748	HK1749	HK1750	HK1751	HK1752	HK1753	HK1754
Ag	1.10	0.40	0.60	0.30	0.30	0.00	0.70	0.30	0.40	0.00	0.40	0.40
As	23.00	11.00	17.00	18.00	24.00	23.00	15.00	24.00	20.00	20.00	11.00	19.00
Ba	549.00	381.00	576.00	404.00	501.00	560.00	99.00	388.00	278.00	195.00	336.00	412.00
Bi	18.00	28.00	30.00	3.00	11.00	9.00	3.00	16.00	13.00	11.00	0.00	0.00
CaO	0.97	0.47	1.08	0.80	0.75	0.89	0.41	0.39	0.71	0.26	0.86	1.07
Cd	1.50	0.60	1.30	1.10	1.10	1.30	0.40	0.40	0.50	0.30	1.40	1.50
Ce	137.00	101.00	103.00	147.00	171.00	148.00	130.00	155.00	219.00	243.00	128.00	155.00
Co	15.00	8.00	17.00	15.00	13.00	15.00	0.00	11.00	4.00	5.00	13.00	15.00
Cr	49.00	94.00	175.00	43.00	44.00	158.00	34.00	98.00	65.00	28.00	130.00	92.00
Cs	0.00	8.00	0.00	6.00	0.00	8.00	17.00	15.00	12.00	18.00	8.00	2.00
Cu	10.30	8.30	19.50	6.10	10.70	8.50	4.70	9.10	12.00	5.50	16.50	22.30
Fe ₂ O ₃	5.53	4.37	6.74	6.46	6.24	6.99	3.03	4.42	3.60	3.71	4.86	5.72
Ga	18.00	16.00	20.00	17.00	19.00	19.00	25.00	18.00	22.00	34.00	19.00	19.00
Ge	0.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hg	0.20	0.00	0.00	0.00	0.00	0.40	0.00	0.00	0.20	0.00	0.00	0.00
La	76.00	63.00	53.00	59.00	76.00	59.00	68.00	68.00	69.00	55.00	51.00	58.00
MnO	0.26	0.12	0.19	0.30	0.27	0.35	0.25	0.12	0.10	0.08	0.10	0.09
Mo	3.30	2.80	6.30	2.80	2.70	3.10	0.90	24.10	15.00	15.50	4.10	3.00
Nb	15.00	17.00	15.00	20.00	21.00	20.00	48.00	26.00	39.00	43.00	22.00	25.00
Ni	16.00	10.00	16.00	5.00	13.00	14.00	34.00	19.00	24.00	14.00	11.00	10.00
P ₂ O ₅	0.15	0.12	0.17	0.10	0.10	0.10	0.03	0.06	0.08	0.03	0.34	0.53
Pb	173.00	64.00	98.00	103.00	134.00	117.00	118.00	91.00	126.00	124.00	84.00	98.00
Rb	175.00	221.00	301.00	146.00	190.00	197.00	444.00	311.00	371.00	441.00	186.00	204.00
Sb	0.00	3.00	0.00	4.00	5.00	0.00	3.00	2.00	0.00	3.00	1.00	4.00
Sc	11.00	8.00	13.00	11.00	13.00	10.00	4.00	9.00	6.00	7.00	6.00	10.00
Se	0.90	0.70	1.30	1.10	1.10	1.10	0.30	0.70	0.30	0.20	0.60	0.80
Sn	45.00	34.00	37.00	39.00	59.00	51.00	32.00	21.00	35.00	19.00	18.00	25.00
Sr	86.00	39.00	80.00	67.00	67.00	76.00	25.00	26.00	34.00	20.00	82.00	88.00
Th	40.00	31.00	34.00	34.00	37.00	37.00	67.00	50.00	80.00	100.00	38.00	40.00
TiO ₂	0.81	0.55	0.76	0.85	0.87	0.82	0.22	0.51	0.36	0.29	0.50	0.58
U	7.00	8.00	5.00	7.00	7.00	7.00	16.00	9.00	16.00	12.00	9.00	6.00
V	70.00	57.00	95.00	79.00	82.00	81.00	27.00	53.00	31.00	22.00	47.00	64.00
W	3.00	21.00	27.00	13.00	4.00	4.00	17.00	26.00	23.00	16.00	7.00	3.00
Y	39.00	30.00	25.00	29.00	31.00	25.00	184.00	49.00	85.00	27.00	34.00	35.00
Zn	432.00	107.00	240.00	246.00	350.00	340.00	66.00	131.00	156.00	107.00	189.00	229.00
Zr	597.00	576.00	550.00	732.00	609.00	431.00	142.00	484.00	835.00	543.00	357.00	260.00

Sample	HK1755	HK1756	HK1757	HK1758	HK1759	HK1760	HK1761	HK1762	HK1763	HK1764	HK1765	HK1766
Ag	0.00	0.40	0.00	0.00	0.00	0.00	0.00	0.50	0.50	1.10	0.50	0.30
As	25.00	25.00	20.00	24.00	22.00	29.00	20.00	13.00	27.00	30.00	39.00	0.00
Ba	260.00	403.00	221.00	235.00	660.00	621.00	536.00	518.00	425.00	465.00	417.00	298.00
Bi	9.00	7.00	11.00	9.00	4.00	0.00	0.00	2.00	14.00	12.00	9.00	10.00
CaO	0.39	1.24	0.38	0.99	0.37	0.37	0.35	1.09	0.95	1.07	0.87	0.76
Cd	0.30	1.20	0.30	0.50	1.00	1.20	1.00	1.30	0.80	0.80	0.80	1.00
Ce	121.00	104.00	313.00	168.00	124.00	115.00	105.00	143.00	172.00	145.00	161.00	175.00
Co	6.00	9.00	8.00	7.00	8.00	9.00	7.00	12.00	18.00	13.00	19.00	14.00
Cr	63.00	236.00	23.00	58.00	83.00	21.00	19.00	24.00	35.00	110.00	111.00	48.00
Cs	2.00	0.00	16.00	9.00	14.00	16.00	12.00	0.00	4.00	0.00	5.00	1.00
Cu	45.40	81.10	15.80	49.80	15.10	11.10	10.50	76.10	71.50	88.90	269.30	28.70
Fe ₂ O ₃	6.17	4.57	4.60	3.68	5.66	5.74	3.78	7.46	8.19	6.94	8.67	6.61
Ga	24.00	14.00	31.00	23.00	22.00	19.00	14.00	23.00	23.00	19.00	22.00	23.00
Ge	0.00	1.00	0.00	0.00	0.00	0.00	0.00	4.00	2.00	0.00	1.00	1.00
Hg	0.00	0.30	0.00	0.00	0.00	0.00	0.00	0.90	2.40	1.20	2.80	2.20
La	40.00	44.00	124.00	46.00	62.00	58.00	52.00	56.00	67.00	60.00	68.00	63.00
MnO	0.03	0.10	0.12	0.06	0.08	0.18	0.05	0.27	0.35	0.19	0.34	0.24
Mo	8.80	3.90	7.00	19.10	2.30	2.20	2.00	2.30	3.90	3.70	4.20	2.60
Nb	24.00	19.00	34.00	26.00	21.00	17.00	15.00	27.00	30.00	24.00	28.00	44.00
Ni	11.00	11.00	14.00	11.00	11.00	10.00	5.00	21.00	19.00	24.00	27.00	13.00
P ₂ O ₅	0.43	0.96	0.22	1.28	0.14	0.11	0.12	0.65	0.48	1.06	0.30	0.27
Pb	128.00	175.00	185.00	170.00	60.00	60.00	67.00	119.00	207.00	222.00	259.00	288.00
Rb	128.00	128.00	336.00	300.00	254.00	239.00	158.00	214.00	186.00	157.00	188.00	113.00
Sb	0.00	7.00	0.00	3.00	3.00	0.00	2.00	3.00	4.00	4.00	5.00	4.00
Sc	10.00	11.00	8.00	7.00	12.00	9.00	8.00	10.00	11.00	9.00	9.00	12.00
Se	1.00	0.80	0.20	0.30	0.90	0.80	0.70	1.20	1.10	0.90	1.10	1.10
Sn	14.00	85.00	30.00	37.00	5.00	8.00	6.00	233.00	476.00	233.00	91.00	1388.00
Sr	24.00	74.00	21.00	35.00	61.00	70.00	61.00	78.00	52.00	47.00	51.00	60.00
Th	55.00	19.00	82.00	57.00	36.00	38.00	24.00	36.00	44.00	46.00	46.00	45.00
TiO ₂	0.77	0.72	0.36	0.36	0.68	0.64	0.58	0.78	0.71	0.70	0.74	0.90
U	9.00	8.00	9.00	11.00	7.00	8.00	9.00	8.00	10.00	7.00	6.00	9.00
V	73.00	63.00	26.00	32.00	69.00	64.00	52.00	84.00	82.00	70.00	83.00	78.00
W	11.00	10.00	5.00	8.00	5.00	7.00	0.00	15.00	14.00	6.00	13.00	11.00
Y	23.00	31.00	45.00	33.00	37.00	32.00	35.00	38.00	34.00	35.00	36.00	37.00
Zn	169.00	404.00	176.00	241.00	124.00	112.00	121.00	633.00	603.00	1009.00	668.00	487.00
Zr	324.00	506.00	252.00	411.00	318.00	271.00	621.00	621.00	347.00	359.00	354.00	814.00

Sample	HK1767	HK1768	HK1769	HK1770	HK1771	HK1772	HK1773	HK1774	HK1775	HK1776	HK1777	HK1778
Ag	0.50	0.70	0.40	0.00	0.30	0.40	0.00	0.50	0.50	0.50	0.50	0.50
As	43.00	61.00	21.00	8.00	17.00	11.00	15.00	10.00	6.00	9.00	29.00	22.00
Ba	366.00	363.00	279.00	137.00	500.00	411.00	412.00	98.00	90.00	68.00	90.00	81.00
Bi	2.00	0.00	11.00	4.00	8.00	0.00	0.00	8.00	4.00	3.00	3.00	0.00
CaO	0.68	0.61	0.82	0.74	0.82	0.66	0.59	0.29	0.27	0.26	0.21	0.19
Cd	0.70	0.60	0.60	0.40	0.90	1.00	0.90	0.30	0.30	0.20	0.00	0.00
Ce	151.00	145.00	148.00	73.00	142.00	131.00	149.00	113.00	88.00	93.00	212.00	185.00
Co	9.00	16.00	14.00	3.00	16.00	13.00	15.00	5.00	4.00	6.00	5.00	4.00
Cr	23.00	66.00	39.00	15.00	96.00	34.00	36.00	12.00	19.00	86.00	35.00	22.00
Cs	7.00	11.00	0.00	0.00	6.00	11.00	4.00	15.00	12.00	15.00	11.00	15.00
Cu	30.80	30.90	14.00	3.00	14.80	16.20	18.70	2.90	2.40	4.70	4.10	3.20
Fe ₂ O ₃	4.29	5.88	7.63	2.02	6.30	6.71	6.94	2.77	2.64	2.17	2.73	2.58
Ga	20.00	21.00	18.00	0.00	19.00	21.00	22.00	31.00	31.00	26.00	27.00	28.00
Ge	2.00	2.00	4.00	0.00	2.00	2.00	2.00	3.00	2.00	1.00	1.00	2.00
Hg	0.80	1.90	0.50	0.00	0.00	0.70	0.00	0.00	0.00	0.00	0.00	0.00
La	57.00	51.00	55.00	13.00	63.00	44.00	53.00	30.00	19.00	20.00	53.00	59.00
MnO	0.15	0.26	0.67	0.06	0.25	0.24	0.24	0.09	0.08	0.07	0.11	0.08
Mo	4.70	5.20	1.70	1.90	2.60	2.10	2.10	6.50	5.70	4.70	0.90	0.80
Nb	27.00	28.00	19.00	7.00	22.00	26.00	25.00	52.00	52.00	39.00	49.00	52.00
Ni	13.00	14.00	17.00	0.00	22.00	11.00	14.00	23.00	24.00	21.00	15.00	14.00
P ₂ O ₅	0.14	0.18	0.14	0.04	0.15	0.10	0.11	0.03	0.03	0.03	0.02	0.00
Pb	318.00	280.00	158.00	84.00	107.00	91.00	78.00	99.00	98.00	75.00	284.00	199.00
Rb	216.00	218.00	68.00	62.00	197.00	188.00	164.00	543.00	578.00	519.00	443.00	409.00
Sb	4.00	3.00	5.00	2.00	1.00	4.00	0.00	4.00	2.00	0.00	2.00	4.00
Sc	8.00	10.00	12.00	2.00	11.00	12.00	12.00	4.00	7.00	4.00	4.00	4.00
Se	0.80	1.10	1.30	0.20	1.10	1.20	1.30	0.00	0.00	0.00	0.00	0.00
Sn	23.00	13.00	13.00	22.00	27.00	40.00	45.00	27.00	32.00	28.00	17.00	21.00
Sr	43.00	40.00	36.00	26.00	58.00	60.00	54.00	23.00	22.00	16.00	12.00	11.00
Th	38.00	40.00	27.00	7.00	27.00	38.00	31.00	66.00	61.00	49.00	99.00	109.00
TiO ₂	0.71	0.82	0.89	0.32	0.73	0.80	0.82	0.16	0.14	0.13	0.16	0.18
U	7.00	9.00	6.00	3.00	8.00	7.00	7.00	12.00	13.00	12.00	12.00	12.00
V	61.00	78.00	92.00	25.00	79.00	89.00	92.00	20.00	15.00	16.00	15.00	14.00
W	10.00	3.00	0.00	0.00	9.00	2.00	0.00	17.00	17.00	12.00	6.00	8.00
Y	24.00	20.00	32.00	14.00	39.00	23.00	26.00	83.00	74.00	66.00	66.00	93.00
Zn	169.00	215.00	377.00	58.00	268.00	188.00	218.00	58.00	68.00	49.00	47.00	41.00
Zr	455.00	696.00	581.00	121.00	375.00	523.00	456.00	240.00	272.00	330.00	515.00	660.00

Sample	HK1779	HK1780	HK1781	HK1782	HK1783	HK1784	HK1785	HK1786	HK1787	HK1788	HK1789	HK1790
Ag	0.70	0.00	0.40	0.20	0.70	0.50	0.90	0.70	0.90	0.40	0.50	1.20
As	17.00	18.00	17.00	14.00	26.00	9.00	17.00	0.00	22.00	17.00	20.00	61.00
Ba	83.00	138.00	117.00	101.00	111.00	324.00	72.00	19.00	430.00	426.00	459.00	380.00
Bi	0.00	0.00	1.00	4.00	2.00	0.00	1.00	0.00	0.00	0.00	0.00	17.00
CaO	0.22	0.23	0.25	0.22	0.22	0.33	0.19	0.23	0.89	1.01	0.95	0.92
Cd	0.20	0.30	0.30	0.20	0.20	0.90	0.00	0.00	1.20	1.40	1.30	1.10
Ce	124.00	131.00	116.00	122.00	156.00	176.00	182.00	36.00	106.00	120.00	108.00	128.00
Co	4.00	3.00	3.00	4.00	7.00	6.00	5.00	0.00	10.00	9.00	9.00	11.00
Cr	11.00	164.00	11.00	172.00	107.00	17.00	52.00	9.00	49.00	84.00	29.00	40.00
Cs	11.00	11.00	11.00	4.00	16.00	3.00	13.00	0.00	14.00	15.00	9.00	0.00
Cu	4.40	8.50	7.40	5.40	18.50	5.70	3.00	5.10	14.60	13.50	13.60	22.40
Fe ₂ O ₃	2.31	2.82	2.67	2.46	3.23	3.51	2.73	0.50	5.15	4.18	5.29	5.13
Ga	26.00	32.00	30.00	26.00	34.00	17.00	30.00	0.00	20.00	15.00	21.00	22.00
Ge	2.00	3.00	4.00	0.00	2.00	0.00	3.00	0.00	1.00	0.00	2.00	0.00
Hg	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00
La	33.00	40.00	36.00	32.00	32.00	57.00	62.00	17.00	51.00	54.00	43.00	54.00
MnO	0.08	0.09	0.09	0.06	0.07	0.06	0.08	0.01	0.18	0.10	0.19	0.32
Mo	1.10	2.10	1.00	1.80	2.90	4.60	0.60	2.80	2.80	2.20	1.90	2.70
Nb	46.00	49.00	50.00	48.00	56.00	31.00	58.00	13.00	23.00	22.00	25.00	23.00
Ni	18.00	20.00	21.00	21.00	20.00	9.00	19.00	0.00	16.00	15.00	15.00	20.00
P ₂ O ₅	0.03	0.02	0.02	0.03	0.03	0.10	0.01	0.07	0.11	0.10	0.10	0.14
Pb	133.00	139.00	132.00	114.00	209.00	38.00	199.00	28.00	152.00	108.00	146.00	425.00
Rb	507.00	504.00	520.00	466.00	486.00	166.00	425.00	68.00	229.00	194.00	238.00	232.00
Sb	0.00	0.00	0.00	5.00	0.00	5.00	3.00	0.00	0.00	7.00	0.00	3.00
Sc	3.00	4.00	5.00	6.00	4.00	5.00	8.00	3.00	10.00	7.00	6.00	9.00
Se	0.00	0.00	0.00	0.00	0.00	0.50	0.00	0.00	0.90	0.80	0.90	0.90
Sn	27.00	29.00	30.00	24.00	32.00	7.00	21.00	12.00	14.00	13.00	7.00	15.00
Sr	19.00	20.00	20.00	19.00	18.00	57.00	12.00	7.00	70.00	83.00	79.00	67.00
Th	72.00	75.00	78.00	76.00	91.00	34.00	107.00	21.00	28.00	27.00	35.00	38.00
TiO ₂	0.17	0.19	0.18	0.18	0.19	0.51	0.19	0.08	0.65	0.70	0.66	0.64
U	10.00	12.00	15.00	15.00	11.00	12.00	13.00	3.00	6.00	10.00	7.00	8.00
V	12.00	19.00	14.00	18.00	20.00	42.00	17.00	8.00	66.00	64.00	70.00	65.00
W	9.00	10.00	8.00	11.00	11.00	7.00	9.00	2.00	6.00	8.00	5.00	6.00
Y	54.00	58.00	67.00	61.00	55.00	35.00	81.00	49.00	29.00	31.00	24.00	29.00
Zn	58.00	68.00	75.00	51.00	62.00	52.00	46.00	21.00	195.00	135.00	199.00	498.00
Zr	371.00	334.00	372.00	556.00	341.00	2138.00	663.00	87.00	382.00	770.00	379.00	492.00

Sample	HK1791	HK1792	HK1793	HK1794	HK1795	HK1796	HK1797	HK1798	HK1799	HK1800	HK1801	HK1802
Ag	1.10	0.90	0.50	0.40	0.50	0.60	0.70	0.50	0.30	0.40	0.70	0.60
As	56.00	57.00	30.00	26.00	25.00	31.00	35.00	13.00	11.00	12.00	10.00	9.00
Ba	383.00	398.00	512.00	467.00	466.00	425.00	451.00	53.00	56.00	52.00	67.00	53.00
Bi	9.00	3.00	5.00	4.00	8.00	2.00	4.00	0.00	0.00	1.00	0.00	1.00
CaO	0.88	0.95	1.02	0.84	0.90	0.92	0.86	0.21	0.25	0.23	0.24	0.22
Cd	1.00	1.10	1.70	1.40	1.50	1.20	1.20	0.00	0.00	0.00	0.00	0.00
Ce	146.00	122.00	137.00	128.00	137.00	128.00	142.00	137.00	148.00	148.00	150.00	155.00
Co	13.00	9.00	16.00	10.00	13.00	9.00	9.00	0.00	4.00	3.00	4.00	0.00
Cr	35.00	83.00	144.00	38.00	30.00	94.00	58.00	249.00	147.00	56.00	126.00	208.00
Cs	0.00	1.00	12.00	19.00	5.00	5.00	11.00	9.00	12.00	5.00	13.00	10.00
Cu	25.10	20.80	19.80	16.20	17.80	13.60	21.20	2.70	3.00	3.40	2.10	3.20
Fe ₂ O ₃	5.18	4.62	5.36	5.21	5.29	6.04	6.27	2.68	2.88	2.76	2.91	2.55
Ga	22.00	21.00	24.00	22.00	24.00	22.00	27.00	23.00	28.00	26.00	22.00	27.00
Ge	0.00	2.00	4.00	1.00	2.00	1.00	1.00	2.00	0.00	2.00	3.00	1.00
Hg	0.00	0.00	2.40	1.30	1.80	0.00	0.70	0.00	0.00	0.00	0.00	0.00
La	60.00	53.00	58.00	61.00	61.00	57.00	66.00	24.00	23.00	26.00	23.00	30.00
MnO	0.33	0.29	0.24	0.22	0.23	0.30	0.30	0.06	0.07	0.07	0.08	0.05
Mo	2.60	3.80	3.10	3.00	2.50	2.30	1.80	1.90	1.60	1.30	0.80	1.40
Nb	26.00	22.00	29.00	30.00	28.00	23.00	25.00	53.00	51.00	51.00	46.00	56.00
Ni	20.00	19.00	20.00	16.00	15.00	15.00	18.00	12.00	12.00	11.00	12.00	13.00
P ₂ O ₅	0.16	0.13	0.13	0.11	0.11	0.11	0.12	0.02	0.02	0.02	0.02	0.02
Pb	456.00	409.00	208.00	193.00	198.00	213.00	245.00	122.00	131.00	140.00	148.00	135.00
Rb	217.00	215.00	254.00	225.00	250.00	216.00	243.00	308.00	286.00	297.00	300.00	320.00
Sb	3.00	5.00	0.00	2.00	3.00	7.00	3.00	4.00	0.00	0.00	5.00	7.00
Sc	8.00	6.00	6.00	10.00	8.00	6.00	11.00	4.00	4.00	4.00	4.00	5.00
Se	0.80	0.80	1.00	0.90	0.90	1.00	1.00	0.00	0.00	0.00	0.00	0.00
Sn	25.00	22.00	15.00	14.00	17.00	24.00	24.00	21.00	25.00	20.00	21.00	23.00
Sr	60.00	65.00	98.00	81.00	87.00	70.00	73.00	9.00	9.00	10.00	11.00	10.00
Th	42.00	38.00	37.00	38.00	42.00	40.00	44.00	93.00	85.00	80.00	84.00	93.00
TiO ₂	0.64	0.65	0.73	0.81	0.75	0.69	0.67	0.21	0.19	0.18	0.18	0.19
U	8.00	11.00	12.00	8.00	11.00	9.00	8.00	15.00	12.00	9.00	16.00	19.00
V	63.00	61.00	74.00	70.00	70.00	73.00	74.00	15.00	20.00	18.00	17.00	17.00
W	10.00	5.00	9.00	7.00	6.00	7.00	6.00	5.00	6.00	5.00	5.00	9.00
Y	35.00	36.00	36.00	32.00	30.00	39.00	37.00	43.00	36.00	39.00	40.00	52.00
Zn	510.00	390.00	240.00	189.00	208.00	331.00	356.00	40.00	48.00	38.00	41.00	37.00
Zr	657.00	740.00	523.00	557.00	611.00	429.00	345.00	979.00	560.00	664.00	911.00	1352.00

Sample	HK1803	HK1804	HK1805	HK1806	HK1807	HK1808	HK1809	HK1810	HK1811	HK1812	HK1813	HK1814
Ag	0.70	0.50	0.40	0.00	0.60	0.50	0.60	0.70	0.30	0.00	0.30	0.30
As	13.00	2.00	0.00	1.00	1.00	2.00	8.00	11.00	10.00	14.00	7.00	12.00
Ba	52.00	10.00	21.00	32.00	23.00	41.00	241.00	481.00	229.00	213.00	199.00	186.00
Bi	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0.00
CaO	0.23	0.18	0.18	0.18	0.18	0.18	0.36	0.40	0.43	0.38	0.34	0.31
Cd	0.00	0.00	0.00	0.00	0.00	0.00	0.40	0.90	0.40	0.40	0.40	0.40
Ce	129.00	28.00	26.00	26.00	27.00	37.00	227.00	163.00	208.00	215.00	172.00	179.00
Co	3.00	0.00	0.00	0.00	0.00	0.00	5.00	5.00	5.00	3.00	4.00	5.00
Cr	45.00	8.00	7.00	9.00	14.00	8.00	50.00	29.00	12.00	10.00	33.00	13.00
Cs	6.00	3.00	3.00	4.00	7.00	4.00	8.00	12.00	4.00	13.00	5.00	8.00
Cu	0.10	0.00	0.00	0.00	0.00	0.00	0.70	6.30	1.80	2.90	2.90	5.30
Fe ₂ O ₃	2.36	0.75	0.66	0.83	0.86	1.17	3.70	3.96	3.84	3.76	4.31	4.04
Ga	26.00	0.00	0.00	0.00	0.00	0.00	17.00	16.00	16.00	17.00	17.00	17.00
Ge	1.00	0.00	0.00	0.00	1.00	3.00	0.00	0.00	0.00	1.00	2.00	2.00
Hg	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
La	22.00	7.00	7.00	9.00	7.00	12.00	60.00	80.00	79.00	78.00	67.00	65.00
MnO	0.05	0.00	0.00	0.00	0.01	0.01	0.10	0.26	0.14	0.10	0.20	0.16
Mo	1.20	1.20	1.50	1.70	1.90	2.70	2.80	1.80	2.20	2.00	2.80	2.70
Nb	59.00	4.00	0.00	6.00	2.00	7.00	52.00	32.00	37.00	36.00	36.00	39.00
Ni	10.00	0.00	0.00	0.00	0.00	0.00	6.00	6.00	4.00	6.00	7.00	7.00
P ₂ O ₅	0.02	0.02	0.02	0.02	0.02	0.02	0.06	0.09	0.08	0.08	0.07	0.07
Pb	109.00	2.00	2.00	4.00	5.00	6.00	34.00	55.00	73.00	76.00	65.00	53.00
Rb	316.00	14.00	16.00	16.00	15.00	22.00	136.00	182.00	123.00	122.00	134.00	126.00
Sb	3.00	2.00	0.00	3.00	0.00	0.00	4.00	6.00	6.00	0.00	2.00	4.00
Sc	4.00	1.00	2.00	2.00	3.00	4.00	5.00	8.00	8.00	10.00	10.00	9.00
Se	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.40	0.30	0.30	0.30	0.30
Sn	24.00	4.00	4.00	6.00	3.00	11.00	12.00	9.00	7.00	12.00	10.00	11.00
Sr	10.00	6.00	7.00	5.00	6.00	8.00	27.00	57.00	29.00	25.00	28.00	29.00
Th	80.00	0.00	0.00	5.00	0.00	3.00	44.00	26.00	28.00	31.00	28.00	21.00
TiO ₂	0.19	0.11	0.07	0.16	0.13	0.19	0.53	0.58	0.50	0.49	0.45	0.51
U	12.00	3.00	2.00	3.00	3.00	3.00	8.00	6.00	6.00	6.00	7.00	5.00
V	13.00	11.00	11.00	12.00	15.00	18.00	33.00	36.00	31.00	31.00	28.00	32.00
W	4.00	0.00	0.00	0.00	0.00	0.00	6.00	2.00	3.00	6.00	0.00	7.00
Y	37.00	11.00	9.00	13.00	10.00	14.00	38.00	36.00	40.00	45.00	36.00	42.00
Zn	36.00	15.00	16.00	14.00	15.00	18.00	45.00	114.00	103.00	106.00	90.00	85.00
Zr	645.00	206.00	131.00	359.00	236.00	678.00	1468.00	419.00	527.00	540.00	517.00	601.00

Sample	HK1815	HK1816	HK1817	HK1818	HK1819	HK1820	HK1821	HK1822	HK1823	HK1824	HK1825	HK1826
Ag	0.00	0.00	0.30	0.30	0.30	0.20	0.00	0.40	0.00	0.00	0.30	0.00
As	9.00	10.00	13.00	5.00	10.00	6.00	11.00	7.00	11.00	7.00	6.00	14.00
Ba	318.00	223.00	306.00	226.00	174.00	379.00	119.00	303.00	208.00	364.00	329.00	227.00
Bi	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	2.00	0.00	0.00
CaO	0.30	0.41	0.35	0.32	0.42	0.34	0.25	0.24	0.29	0.36	0.30	0.31
Cd	0.60	0.40	0.50	0.40	0.40	0.80	0.20	0.50	0.40	0.60	0.60	0.40
Ce	211.00	222.00	193.00	176.00	245.00	214.00	236.00	196.00	247.00	231.00	218.00	236.00
Co	3.00	11.00	5.00	3.00	7.00	5.00	4.00	5.00	4.00	6.00	7.00	5.00
Cr	14.00	19.00	10.00	9.00	10.00	6.00	50.00	20.00	35.00	10.00	9.00	16.00
Cs	9.00	4.00	8.00	9.00	11.00	8.00	17.00	11.00	12.00	4.00	13.00	7.00
Cu	12.30	3.00	4.90	1.80	4.30	0.20	1.80	4.60	2.30	23.60	12.00	1.60
Fe ₂ O ₃	3.42	4.79	2.94	3.02	4.62	3.35	3.99	4.77	4.68	4.80	4.15	5.60
Ga	15.00	22.00	16.00	20.00	17.00	17.00	22.00	24.00	21.00	19.00	21.00	19.00
Ge	2.00	2.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00	2.00	2.00	0.00
Hg	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00	2.00
La	64.00	61.00	79.00	65.00	90.00	73.00	36.00	114.00	54.00	79.00	74.00	75.00
MnO	0.04	0.12	0.11	0.09	0.29	0.10	0.03	0.05	0.09	0.11	0.11	0.06
Mo	1.60	3.10	3.30	2.70	2.80	1.30	3.40	3.20	3.20	2.20	2.10	4.10
Nb	35.00	43.00	43.00	44.00	36.00	37.00	49.00	45.00	44.00	42.00	43.00	47.00
Ni	5.00	5.00	6.00	5.00	7.00	6.00	3.00	13.00	5.00	10.00	7.00	10.00
P ₂ O ₅	0.17	0.08	0.08	0.08	0.07	0.08	0.05	0.05	0.05	0.09	0.09	0.08
Pb	62.00	42.00	59.00	37.00	59.00	25.00	31.00	32.00	50.00	51.00	47.00	39.00
Rb	85.00	110.00	156.00	155.00	125.00	181.00	65.00	236.00	116.00	223.00	223.00	151.00
Sb	0.00	0.00	0.00	4.00	2.00	5.00	6.00	5.00	0.00	2.00	2.00	10.00
Sc	5.00	7.00	8.00	4.00	8.00	6.00	7.00	5.00	6.00	5.00	7.00	5.00
Se	0.40	0.40	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.40
Sn	11.00	11.00	3.00	6.00	7.00	9.00	2.00	13.00	8.00	31.00	19.00	10.00
Sr	36.00	29.00	31.00	29.00	28.00	48.00	18.00	34.00	25.00	41.00	40.00	29.00
Th	27.00	54.00	42.00	48.00	37.00	33.00	50.00	51.00	46.00	45.00	43.00	42.00
TiO ₂	0.55	0.52	0.44	0.41	0.40	0.43	0.48	0.40	0.47	0.42	0.40	0.54
U	8.00	10.00	8.00	12.00	4.00	7.00	7.00	10.00	8.00	9.00	9.00	8.00
V	34.00	35.00	28.00	30.00	29.00	33.00	30.00	29.00	33.00	29.00	32.00	37.00
W	7.00	3.00	6.00	0.00	6.00	6.00	5.00	8.00	3.00	3.00	6.00	3.00
Y	37.00	41.00	47.00	36.00	48.00	41.00	34.00	74.00	36.00	37.00	34.00	38.00
Zn	95.00	89.00	96.00	102.00	104.00	57.00	50.00	71.00	54.00	149.00	105.00	55.00
Zr	1658.00	1584.00	654.00	545.00	375.00	942.00	1074.00	729.00	1056.00	568.00	633.00	593.00

Sample	HK1827	HK1828	HK1829	HK1830	HK1831	HK1832	HK1833	HK1834	HK1835	HK1836	HK1837	HK1838
Ag	0.40	0.00	0.00	0.00	0.40	0.80	0.40	0.70	0.80	0.90	0.50	0.70
As	5.00	5.00	3.00	5.00	0.00	8.00	8.00	14.00	18.00	12.00	8.00	9.00
Ba	542.00	74.00	157.00	225.00	214.00	439.00	418.00	429.00	407.00	324.00	428.00	180.00
Bi	4.00	0.00	0.00	2.00	0.00	4.00	1.00	2.00	3.00	0.00	0.00	0.00
CaO	0.43	0.29	0.19	0.20	0.19	0.39	0.36	0.35	0.32	0.33	0.41	0.28
Cd	0.90	0.20	0.20	0.30	0.30	0.60	0.60	0.70	0.40	0.50	0.70	0.30
Ce	153.00	211.00	35.00	34.00	34.00	192.00	145.00	159.00	183.00	189.00	139.00	237.00
Co	11.00	0.00	0.00	3.00	3.00	4.00	5.00	6.00	9.00	8.00	8.00	5.00
Cr	9.00	9.00	6.00	27.00	10.00	64.00	51.00	15.00	15.00	42.00	74.00	22.00
Cs	6.00	9.00	8.00	6.00	4.00	15.00	12.00	14.00	15.00	10.00	14.00	11.00
Cu	3.90	0.20	0.00	0.20	0.00	4.30	3.20	17.40	4.50	6.80	7.20	8.10
Fe ₂ O ₃	5.69	2.89	1.36	1.06	1.45	4.46	3.93	4.20	7.86	4.18	4.58	4.51
Ga	17.00	22.00	0.00	0.00	0.00	19.00	20.00	19.00	14.00	19.00	18.00	18.00
Ge	3.00	0.00	1.00	2.00	0.00	1.00	2.00	2.00	0.00	1.00	2.00	2.00
Hg	1.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
La	70.00	81.00	12.00	8.00	15.00	99.00	77.00	69.00	94.00	82.00	64.00	63.00
MnO	0.28	0.11	0.00	0.00	0.01	0.25	0.08	0.04	0.17	0.20	0.09	0.09
Mo	1.40	2.10	0.60	1.70	1.50	2.20	1.60	2.20	2.30	2.60	2.20	2.20
Nb	31.00	41.00	3.00	7.00	7.00	37.00	34.00	33.00	31.00	30.00	37.00	38.00
Ni	3.00	8.00	0.00	0.00	0.00	11.00	6.00	8.00	5.00	8.00	7.00	2.00
P ₂ O ₅	0.14	0.04	0.02	0.02	0.02	0.12	0.09	0.09	0.27	0.08	0.11	0.05
Pb	43.00	55.00	9.00	3.00	14.00	32.00	34.00	57.00	48.00	59.00	48.00	41.00
Rb	179.00	167.00	41.00	50.00	54.00	217.00	203.00	220.00	138.00	195.00	191.00	96.00
Sb	0.00	4.00	1.00	6.00	5.00	2.00	0.00	3.00	3.00	3.00	3.00	0.00
Sc	9.00	9.00	4.00	2.00	3.00	7.00	5.00	7.00	9.00	7.00	6.00	9.00
Se	0.80	0.00	0.00	0.00	0.00	0.30	0.40	0.40	0.40	0.30	0.50	0.30
Sn	9.00	3.00	4.00	3.00	3.00	6.00	3.00	39.00	17.00	9.00	14.00	6.00
Sr	54.00	14.00	16.00	23.00	21.00	36.00	41.00	43.00	29.00	34.00	44.00	22.00
Th	19.00	47.00	5.00	3.00	4.00	41.00	31.00	33.00	30.00	44.00	33.00	25.00
TiO ₂	0.69	0.22	0.18	0.15	0.19	0.45	0.50	0.50	0.54	0.47	0.53	0.52
U	4.00	9.00	2.00	2.00	2.00	7.00	7.00	7.00	3.00	7.00	7.00	7.00
V	59.00	17.00	16.00	14.00	16.00	30.00	34.00	37.00	38.00	33.00	40.00	30.00
W	0.00	2.00	0.00	0.00	0.00	3.00	4.00	2.00	2.00	3.00	0.00	2.00
Y	30.00	57.00	14.00	17.00	18.00	67.00	44.00	40.00	42.00	40.00	38.00	36.00
Zn	90.00	66.00	17.00	18.00	25.00	77.00	75.00	126.00	117.00	75.00	121.00	65.00
Zr	442.00	355.00	370.00	624.00	575.00	591.00	535.00	931.00	561.00	509.00	624.00	906.00

Sample	HK1839	HK1840	HK1841	HK1842	HK1843	HK1844	HK1845	HK1846	HK1847	HK1848	HK1849	HK1850
Ag	1.20	0.60	0.20	0.30	0.30	0.40	0.30	0.50	0.40	0.40	0.40	0.40
As	9.00	10.00	10.00	6.00	7.00	4.00	5.00	4.00	10.00	9.00	9.00	7.00
Ba	631.00	719.00	695.00	11.00	47.00	50.00	52.00	107.00	65.00	113.00	101.00	88.00
Bi	2.00	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	2.00	0.00
CaO	0.47	0.44	0.53	0.19	0.29	0.20	0.30	0.29	0.26	0.30	0.31	0.26
Cd	1.00	1.40	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00
Ce	137.00	251.00	203.00	68.00	184.00	181.00	143.00	148.00	159.00	247.00	182.00	183.00
Co	9.00	6.00	13.00	3.00	0.00	3.00	0.00	0.00	3.00	0.00	5.00	5.00
Cr	60.00	61.00	58.00	20.00	29.00	30.00	10.00	6.00	8.00	17.00	31.00	9.00
Cs	9.00	2.00	11.00	2.00	6.00	10.00	6.00	4.00	10.00	6.00	9.00	5.00
Cu	17.00	13.70	10.50	1.90	8.40	3.00	0.00	0.20	0.30	1.10	0.80	1.00
Fe ₂ O ₃	4.98	4.61	6.84	2.68	2.21	3.50	1.66	1.93	2.77	2.54	2.87	2.98
Ga	19.00	20.00	25.00	3.00	12.00	21.00	12.00	13.00	16.00	14.00	15.00	17.00
Ge	2.00	1.00	1.00	0.00	2.00	0.00	2.00	2.00	0.00	0.00	0.00	0.00
Hg	0.00	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
La	64.00	88.00	89.00	13.00	110.00	113.00	82.00	64.00	65.00	75.00	73.00	66.00
MnO	0.20	0.05	0.22	0.09	0.13	0.05	0.16	0.19	0.15	0.11	0.23	0.23
Mo	2.30	5.50	2.50	3.30	2.20	3.70	2.50	1.50	2.50	2.70	3.00	2.80
Nb	31.00	37.00	31.00	63.00	46.00	34.00	34.00	32.00	32.00	40.00	30.00	35.00
Ni	9.00	9.00	9.00	0.00	11.00	10.00	5.00	7.00	9.00	4.00	5.00	4.00
P ₂ O ₅	0.13	0.13	0.15	0.02	0.04	0.02	0.03	0.04	0.02	0.05	0.05	0.04
Pb	56.00	51.00	68.00	44.00	70.00	38.00	42.00	75.00	46.00	72.00	41.00	45.00
Rb	200.00	192.00	155.00	51.00	138.00	103.00	115.00	143.00	143.00	110.00	143.00	138.00
Sb	0.00	3.00	1.00	5.00	5.00	6.00	3.00	3.00	0.00	4.00	4.00	6.00
Sc	7.00	12.00	8.00	4.00	8.00	11.00	6.00	6.00	8.00	5.00	8.00	5.00
Se	0.50	1.20	1.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00
Sn	14.00	73.00	8.00	6.00	12.00	7.00	6.00	7.00	10.00	9.00	10.00	4.00
Sr	60.00	83.00	81.00	3.00	11.00	9.00	11.00	12.00	7.00	11.00	15.00	12.00
Th	27.00	34.00	33.00	11.00	26.00	48.00	31.00	28.00	28.00	33.00	34.00	23.00
TiO ₂	0.55	0.98	0.81	0.39	0.20	0.24	0.13	0.15	0.15	0.26	0.22	0.23
U	5.00	11.00	8.00	4.00	7.00	7.00	7.00	6.00	7.00	7.00	8.00	6.00
V	44.00	85.00	72.00	20.00	13.00	24.00	12.00	11.00	13.00	15.00	14.00	14.00
W	0.00	4.00	6.00	7.00	2.00	5.00	5.00	3.00	3.00	5.00	0.00	3.00
Y	35.00	61.00	53.00	23.00	63.00	72.00	58.00	49.00	50.00	48.00	52.00	44.00
Zn	127.00	113.00	155.00	38.00	52.00	57.00	62.00	72.00	61.00	73.00	78.00	75.00
Zr	930.00	5666.00	1980.00	534.00	637.00	215.00	244.00	270.00	278.00	536.00	421.00	360.00

Sample	HK1851	HK1852	HK1853	HK1854	HK1855	HK1856	HK1857	HK1858	HK1859	HK1860	HK1861	HK1862
Ag	0.30	0.40	0.40	0.00	0.00	0.20	7.70	2.80	0.00	1.10	0.50	0.40
As	9.00	13.00	17.00	10.00	17.00	0.00	118.00	50.00	18.00	30.00	13.00	8.00
Ba	179.00	526.00	64.00	103.00	110.00	0.00	198.00	194.00	328.00	282.00	403.00	276.00
Bi	0.00	0.00	0.00	3.00	4.00	0.00	4.00	5.00	26.00	488.00	21.00	16.00
CaO	0.36	0.48	0.46	0.25	0.29	0.18	0.80	0.60	1.63	1.12	1.58	1.32
Cd	0.20	1.30	0.20	0.00	0.00	0.00	1.10	0.40	1.90	1.40	1.60	1.40
Ce	293.00	132.00	154.00	316.00	256.00	29.00	1994.00	283.00	183.00	195.00	161.00	177.00
Co	0.00	11.00	3.00	5.00	0.00	0.00	20.00	10.00	15.00	15.00	13.00	12.00
Cr	11.00	16.00	27.00	22.00	38.00	6.00	42.00	21.00	30.00	29.00	43.00	31.00
Cs	8.00	12.00	11.00	6.00	12.00	2.00	0.00	0.00	7.00	8.00	5.00	4.00
Cu	1.40	10.00	18.70	21.20	27.10	2.80	365.30	156.20	10.30	33.30	12.60	12.90
Fe ₂ O ₃	3.66	8.82	4.20	5.90	14.64	0.86	6.43	7.08	7.10	5.77	6.22	4.61
Ga	14.00	21.00	38.00	41.00	36.00	4.00	23.00	32.00	23.00	24.00	25.00	21.00
Ge	0.00	0.00	3.00	0.00	0.00	3.00	12.00	5.00	1.00	3.00	0.00	1.00
Hg	0.00	1.50	0.00	0.00	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
La	153.00	67.00	42.00	18.00	35.00	7.00	4923.00	997.00	92.00	81.00	83.00	92.00
MnO	0.34	0.21	0.19	0.02	0.04	0.01	0.27	0.77	0.10	0.07	0.10	0.05
Mo	1.10	2.60	16.00	4.10	6.10	3.20	7.20	8.60	6.30	28.90	6.20	3.50
Nb	30.00	23.00	208.00	63.00	46.00	58.00	113.00	121.00	25.00	26.00	22.00	26.00
Ni	11.00	9.00	33.00	10.00	9.00	7.00	392.00	116.00	13.00	13.00	18.00	14.00
P ₂ O ₅	0.07	0.19	0.05	0.06	0.07	0.01	1.84	0.80	0.10	0.11	0.10	0.14
Pb	72.00	37.00	112.00	65.00	106.00	12.00	883.00	391.00	117.00	148.00	72.00	81.00
Rb	124.00	151.00	439.00	118.00	108.00	301.00	259.00	377.00	162.00	152.00	215.00	141.00
Sb	3.00	2.00	6.00	9.00	0.00	4.00	3.00	5.00	0.00	7.00	8.00	0.00
Sc	8.00	11.00	8.00	11.00	8.00	4.00	0.00	2.00	10.00	13.00	10.00	9.00
Se	0.20	1.60	0.20	0.40	0.70	0.00	0.00	0.00	1.20	1.20	1.20	1.10
Sn	13.00	8.00	81.00	89.00	98.00	28.00	120.00	149.00	51.00	49.00	51.00	32.00
Sr	18.00	78.00	17.00	11.00	11.00	0.00	67.00	28.00	110.00	82.00	95.00	85.00
Th	34.00	20.00	109.00	86.00	78.00	17.00	81.00	87.00	40.00	165.00	31.00	33.00
TiO ₂	0.41	0.96	0.25	0.68	0.57	0.02	0.29	0.20	0.80	0.86	0.80	0.87
U	7.00	7.00	18.00	7.00	4.00	4.00	21.00	18.00	6.00	7.00	8.00	10.00
V	21.00	113.00	24.00	39.00	54.00	6.00	0.00	14.00	88.00	88.00	85.00	78.00
W	3.00	3.00	25.00	10.00	8.00	6.00	143.00	53.00	40.00	528.00	46.00	13.00
Y	52.00	28.00	152.00	26.00	31.00	24.00	3563.00	839.00	37.00	40.00	46.00	47.00
Zn	110.00	103.00	157.00	92.00	102.00	42.00	847.00	1490.00	204.00	230.00	163.00	126.00
Zr	503.00	346.00	515.00	489.00	602.00	70.00	372.00	279.00	478.00	452.00	929.00	1790.00

Sample	HK1863	HK1864	HK1865	HK1866	HK1867	HK1868	HK1869	HK1870	HK1871	HK1872	HK1873	HK1874
Ag	0.40	0.60	0.70	0.00	0.20	0.40	0.50	0.00	0.00	0.00	0.30	0.30
As	10.00	18.00	25.00	86.00	13.00	13.00	23.00	25.00	24.00	19.00	22.00	9.00
Ba	332.00	305.00	458.00	403.00	218.00	266.00	364.00	395.00	215.00	215.00	213.00	318.00
Bi	7.00	0.00	50.00	11.00	0.00	4.00	10.00	9.00	1.00	4.00	1.00	0.00
CaO	1.16	0.63	0.54	0.69	0.98	1.07	0.74	0.70	0.39	0.38	0.40	0.72
Cd	1.20	0.80	0.50	0.80	0.80	0.90	0.80	0.80	0.30	0.30	0.20	0.90
Ce	155.00	182.00	144.00	206.00	143.00	146.00	143.00	151.00	168.00	164.00	154.00	124.00
Co	15.00	14.00	29.00	16.00	10.00	13.00	20.00	19.00	4.00	5.00	7.00	11.00
Cr	25.00	21.00	57.00	127.00	24.00	66.00	71.00	35.00	23.00	18.00	144.00	54.00
Cs	7.00	8.00	25.00	2.00	11.00	12.00	9.00	9.00	12.00	9.00	13.00	17.00
Cu	10.70	10.10	22.50	17.10	6.30	9.80	22.90	17.90	17.50	15.70	16.70	6.10
Fe ₂ O ₃	5.19	5.88	8.90	6.29	5.02	5.28	6.15	6.42	4.82	4.62	4.18	6.21
Ga	20.00	26.00	27.00	24.00	22.00	21.00	22.00	25.00	30.00	26.00	27.00	22.00
Ge	0.00	2.00	0.00	2.00	1.00	2.00	3.00	1.00	3.00	0.00	2.00	1.00
Hg	0.00	0.00	0.30	1.70	0.00	2.20	2.00	0.50	1.20	0.80	1.70	0.90
La	120.00	80.00	112.00	91.00	48.00	47.00	57.00	55.00	70.00	75.00	59.00	76.00
MnO	0.10	0.18	0.21	0.12	0.13	0.15	0.17	0.19	0.16	0.14	0.15	0.13
Mo	2.00	2.70	12.10	4.00	3.20	4.00	4.60	3.60	4.80	4.20	4.80	2.00
Nb	23.00	26.00	20.00	27.00	38.00	39.00	27.00	26.00	48.00	47.00	44.00	20.00
Ni	12.00	15.00	28.00	18.00	10.00	13.00	19.00	18.00	19.00	16.00	21.00	14.00
P ₂ O ₅	0.08	0.06	0.11	0.11	0.08	0.08	0.18	0.17	0.18	0.12	0.17	0.24
Pb	73.00	175.00	114.00	773.00	91.00	104.00	142.00	141.00	238.00	227.00	218.00	63.00
Rb	162.00	223.00	370.00	210.00	206.00	224.00	206.00	214.00	351.00	335.00	360.00	141.00
Sb	5.00	5.00	6.00	13.00	4.00	6.00	8.00	1.00	0.00	0.00	8.00	3.00
Sc	10.00	9.00	15.00	8.00	8.00	12.00	9.00	8.00	9.00	10.00	7.00	8.00
Se	1.00	1.00	1.80	1.30	0.90	1.00	1.00	1.10	0.50	0.60	0.40	0.70
Sn	23.00	45.00	37.00	34.00	18.00	20.00	24.00	16.00	190.00	254.00	146.00	13.00
Sr	70.00	50.00	35.00	51.00	51.00	57.00	50.00	49.00	22.00	23.00	19.00	58.00
Th	31.00	41.00	46.00	56.00	42.00	39.00	37.00	32.00	92.00	72.00	87.00	41.00
TiO ₂	0.84	0.72	0.98	0.86	0.74	0.73	0.77	0.74	0.48	0.49	0.43	0.61
U	8.00	10.00	7.00	8.00	10.00	10.00	9.00	9.00	17.00	15.00	18.00	5.00
V	75.00	76.00	126.00	91.00	66.00	71.00	75.00	79.00	43.00	49.00	39.00	57.00
W	7.00	8.00	67.00	27.00	10.00	7.00	10.00	5.00	24.00	15.00	14.00	4.00
Y	57.00	54.00	71.00	60.00	20.00	22.00	33.00	30.00	78.00	70.00	79.00	53.00
Zn	148.00	219.00	255.00	272.00	128.00	148.00	273.00	290.00	167.00	158.00	145.00	127.00
Zr	838.00	423.00	339.00	557.00	453.00	462.00	547.00	413.00	1005.00	1053.00	1228.00	165.00

Sample	HK1875	HK1876	HK1877	HK1878	HK1879	HK1880	HK1881	HK1882	HK1883	HK1884	HK1885	HK1886
Ag	0.30	0.60	0.40	0.40	0.50	0.30	0.50	0.70	0.60	0.00	0.00	0.20
As	29.00	34.00	10.00	15.00	14.00	15.00	9.00	25.00	27.00	21.00	18.00	14.00
Ba	297.00	256.00	546.00	583.00	578.00	570.00	542.00	276.00	226.00	48.00	54.00	57.00
Bi	9.00	0.00	3.00	1.00	1.00	2.50	1.50	4.50	4.00	2.00	3.00	4.50
CaO	0.66	0.38	0.36	0.39	0.38	0.39	0.32	0.85	0.68	0.16	0.15	0.17
Cd	0.60	0.30	1.30	1.60	1.30	1.70	1.30	0.60	0.50	0.00	0.00	0.00
Ce	174.00	155.00	113.00	115.00	112.00	125.00	116.00	160.00	157.00	158.00	182.00	137.00
Co	12.00	9.00	10.00	11.00	12.00	12.00	7.00	14.00	13.00	3.00	0.00	4.00
Cr	27.00	72.00	18.00	19.00	25.00	21.00	15.00	43.00	66.00	47.00	18.00	60.00
Cs	4.00	10.00	14.00	6.00	9.00	19.00	11.00	6.00	0.00	13.00	9.00	10.00
Cu	189460.00	5.50	8.60	10.90	8.20	9.50	8.10	15.10	14.50	4.30	4.00	0.00
Fe ₂ O ₃	3.76	3.52	5.32	5.25	5.53	5.53	4.73	7.40	7.88	3.60	2.71	3.00
Ga	19.00	22.00	22.00	19.00	24.00	22.00	19.00	18.00	21.00	29.00	25.00	25.00
Ge	0.00	2.00	0.00	2.00	0.00	3.00	0.00	3.00	2.00	1.00	1.00	2.00
Hg	0.00	0.00	0.00	0.00	0.00	0.30	0.70	0.00	0.00	0.00	0.80	0.00
La	69.00	92.00	54.00	55.00	55.00	53.00	49.00	56.00	61.00	21.00	21.00	18.00
MnO	0.07	0.06	0.11	0.11	0.11	0.11	0.09	0.65	0.42	0.10	0.06	0.09
Mo	0.50	5.30	1.60	1.70	1.80	1.80	1.90	1.10	1.20	1.10	0.90	1.10
Nb	27.00	22.00	25.00	23.00	26.00	26.00	24.00	17.00	18.00	45.00	47.00	43.00
Ni	14.00	15.00	16.00	15.00	15.00	18.00	15.00	18.00	16.00	3.00	2.00	0.00
P ₂ O ₅	0.66	0.05	0.08	0.09	0.09	0.10	0.07	0.14	0.14	0.02	0.02	0.02
Pb	239.00	210.00	54.00	51.00	56.00	58.00	66.00	169.00	184.00	159.00	155.00	142.00
Rb	288.00	221.00	290.00	294.00	298.00	289.00	261.00	64.00	72.00	274.00	282.00	278.00
Sb	4.00	8.00	0.00	2.00	0.00	1.00	6.00	5.00	4.00	5.00	1.00	0.00
Sc	3.00	7.00	9.00	9.00	8.00	6.00	9.00	12.00	14.00	7.00	8.00	6.00
Se	0.50	0.60	0.80	0.80	0.80	0.80	0.70	1.20	1.30	0.00	0.00	0.00
Sn	47.00	11.00	9.00	8.00	14.00	10.00	12.00	14.00	8.00	21.00	20.00	17.00
Sr	39.00	24.00	75.00	92.00	80.00	100.00	77.00	38.00	33.00	10.00	9.00	10.00
Th	45.00	45.00	40.00	37.00	37.00	46.00	41.00	27.00	25.00	76.00	79.00	72.00
TiO ₂	0.41	0.47	0.61	0.61	0.60	0.62	0.59	0.86	0.91	0.16	0.19	0.15
U	10.00	12.00	8.00	8.00	8.00	9.00	8.00	8.00	7.00	9.00	17.00	6.00
V	40.00	48.00	62.00	64.00	64.00	61.00	55.00	87.00	94.00	15.00	15.00	13.00
W	9.00	5.00	2.00	7.00	10.00	9.00	7.00	6.00	5.00	5.00	9.00	5.00
Y	46.00	55.00	30.00	31.00	33.00	31.00	38.00	29.00	33.00	31.00	39.00	32.00
Zn	220.00	80.00	92.00	89.00	100.00	96.00	90.00	366.00	383.00	45.00	43.00	44.00
Zr	616.00	313.00	251.00	304.00	264.00	275.00	505.00	729.00	533.00	523.00	795.00	514.00

Sample	HK1887	HK1888	HK1889	HK1890	HK1891	HK1892	HK1893	HK1894	HK1895	HK1896	HK1897	HK1898
Ag	0.30	0.00	0.20	0.50	0.80	0.90	0.90	0.50	0.50	0.90	0.70	0.80
As	18.00	16.00	12.00	37.00	13.00	10.00	9.00	17.00	83.00	177.00	109.00	210.00
Ba	57.00	47.00	61.00	265.00	197.00	204.00	81.00	344.00	419.00	443.00	451.00	452.00
Bi	5.00	5.00	1.50	7.00	4.00	1.00	4.00	0.00	0.00	3.00	4.00	2.00
CaO	0.16	0.17	0.14	0.50	0.28	0.55	0.39	0.12	0.17	0.24	0.19	0.23
Cd	0.00	0.00	0.00	0.40	0.50	0.70	0.50	0.20	0.20	0.30	0.20	0.30
Ce	145.00	171.00	152.00	139.00	337.00	240.00	186.00	84.00	106.00	113.00	107.00	133.00
Co	0.00	0.00	3.00	10.00	0.00	4.00	7.00	5.00	10.00	21.00	13.00	15.00
Cr	23.00	91.00	9.00	31.00	43.00	71.00	92.00	15.00	16.00	39.00	63.00	38.00
Cs	13.00	11.00	17.00	7.00	13.00	11.00	11.00	12.00	18.00	22.00	23.00	19.00
Cu	1.90	4.20	0.40	32.60	20.60	12.30	10.40	3.10	7.70	3.80	5.70	9.10
Fe ₂ O ₃	2.75	2.59	2.05	7.06	3.62	3.83	3.49	3.65	4.36	6.29	4.89	7.06
Ga	21.00	26.00	23.00	28.00	25.00	27.00	28.00	16.00	16.00	18.00	16.00	17.00
Ge	2.00	1.00	3.00	5.00	2.00	4.00	3.00	0.00	2.00	3.00	1.00	0.00
Hg	0.70	0.00	0.10	0.00	0.70	1.20	1.50	1.50	0.50	1.40	0.00	2.50
La	19.00	20.00	23.00	145.00	185.00	104.00	98.00	35.00	49.00	55.00	52.00	56.00
MnO	0.07	0.05	0.04	1.07	0.09	0.14	0.16	0.03	0.11	0.54	0.18	0.33
Mo	1.10	1.70	0.40	12.10	5.90	3.70	1.10	3.00	3.90	4.70	4.60	6.10
Nb	42.00	53.00	48.00	42.00	59.00	55.00	72.00	24.00	19.00	17.00	15.00	14.00
Ni	5.00	3.00	2.00	45.00	11.00	10.00	19.00	0.00	0.00	7.00	3.00	6.00
P ₂ O ₅	0.02	0.02	0.00	0.68	0.10	0.08	0.05	0.04	0.08	0.12	0.09	0.13
Pb	149.00	139.00	124.00	81.00	96.00	87.00	80.00	29.00	53.00	80.00	54.00	69.00
Rb	274.00	263.00	279.00	108.00	223.00	257.00	295.00	213.00	239.00	234.00	266.00	273.00
Sb	0.00	5.00	4.00	5.00	11.00	5.00	0.00	6.00	6.00	10.00	9.00	9.00
Sc	5.00	6.00	6.00	16.00	9.00	7.00	7.00	10.00	10.00	9.00	6.00	11.00
Se	0.00	0.00	0.00	0.50	0.20	0.20	0.00	0.70	0.60	0.60	0.70	0.70
Sn	13.00	22.00	15.00	14.00	20.00	18.00	13.00	5.00	11.00	8.00	9.00	10.00
Sr	9.00	10.00	9.00	26.00	34.00	46.00	34.00	19.00	18.00	21.00	18.00	21.00
Th	80.00	84.00	78.00	54.00	77.00	68.00	135.00	27.00	24.00	35.00	27.00	27.00
TiO ₂	0.15	0.22	0.22	0.33	0.47	0.39	0.23	0.59	0.45	0.45	0.43	0.43
U	15.00	16.00	18.00	7.00	12.00	11.00	23.00	5.00	7.00	7.00	4.00	8.00
V	17.00	16.00	14.00	42.00	21.00	25.00	14.00	52.00	46.00	51.00	52.00	55.00
W	8.00	10.00	14.00	16.00	14.00	12.00	15.00	17.00	7.00	9.00	8.00	8.00
Y	35.00	45.00	48.00	114.00	106.00	74.00	197.00	27.00	31.00	34.00	28.00	31.00
Zn	37.00	47.00	36.00	221.00	103.00	112.00	71.00	34.00	67.00	72.00	73.00	99.00
Zr	737.00	1043.00	915.00	151.00	1087.00	590.00	1168.00	406.00	273.00	282.00	230.00	213.00

Sample	HK1899	HK1900	HK1901	HK1902	HK1903	HK1904	HK1905	HK1906	HK1907	HK1908	HK1909	HK1910
Ag	0.20	0.00	0.40	0.20	0.20	0.50	0.40	0.50	0.20	0.70	0.40	0.40
As	53.00	28.00	55.00	23.00	15.00	29.00	77.00	90.00	47.00	68.00	70.00	44.00
Ba	317.00	375.00	495.00	420.00	360.00	396.00	392.00	538.00	443.00	625.00	456.00	395.00
Bi	3.00	2.00	0.00	6.00	3.00	0.00	2.00	1.00	2.00	5.00	4.00	3.00
CaO	0.23	0.22	0.18	0.27	0.12	0.29	0.24	0.32	0.28	0.18	0.24	0.23
Cd	0.20	0.30	0.30	0.40	0.20	0.30	0.50	0.80	0.40	0.30	0.40	0.40
Ce	96.00	126.00	112.00	115.00	72.00	98.00	132.00	118.00	138.00	141.00	117.00	127.00
Co	3.00	0.00	9.00	10.00	4.00	6.00	12.00	10.00	11.00	13.00	10.00	8.00
Cr	32.00	101.00	15.00	72.00	26.00	85.00	27.00	163.00	27.00	133.00	20.00	97.00
Cs	20.00	10.00	13.00	12.00	13.00	9.00	6.00	14.00	14.00	10.00	13.00	0.00
Cu	2.90	10.80	10.40	9.50	4.90	8.60	13.30	87.30	14.00	13.50	9.30	4.10
Fe ₂ O ₃	2.51	4.02	5.41	10.35	5.52	5.11	4.81	5.87	6.28	6.96	5.12	3.91
Ga	11.00	16.00	18.00	17.00	19.00	17.00	15.00	20.00	19.00	26.00	18.00	16.00
Ge	1.00	2.00	3.00	0.00	1.00	1.00	3.00	2.00	0.00	2.00	0.00	2.00
Hg	0.40	1.20	0.30	0.90	0.00	0.00	0.00	0.30	0.40	0.90	0.00	0.00
La	47.00	57.00	52.00	47.00	43.00	55.00	64.00	58.00	78.00	197.00	49.00	68.00
MnO	0.03	0.05	0.10	0.04	0.02	0.04	0.10	0.09	0.11	0.14	0.08	0.07
Mo	2.40	2.50	2.10	1.70	2.60	2.20	2.00	2.40	2.20	2.60	3.10	2.40
Nb	23.00	24.00	20.00	16.00	22.00	23.00	24.00	19.00	22.00	31.00	24.00	22.00
Ni	0.00	4.00	0.00	2.00	0.00	6.00	3.00	9.00	4.00	12.00	5.00	2.00
P ₂ O ₅	0.10	0.12	0.14	1.38	0.08	0.15	0.13	0.16	0.16	0.07	0.12	0.08
Pb	77.00	74.00	36.00	34.00	25.00	42.00	130.00	123.00	114.00	85.00	53.00	70.00
Rb	186.00	212.00	224.00	169.00	159.00	240.00	171.00	224.00	181.00	301.00	219.00	188.00
Sb	4.00	6.00	10.00	0.00	0.00	4.00	0.00	7.00	3.00	5.00	7.00	8.00
Sc	8.00	7.00	8.00	14.00	12.00	12.00	12.00	13.00	12.00	14.00	9.00	8.00
Se	0.50	0.70	0.60	1.00	1.20	0.80	0.90	1.10	1.00	1.10	0.90	0.80
Sn	11.00	16.00	10.00	12.00	6.00	10.00	49.00	20.00	12.00	11.00	9.00	3.00
Sr	17.00	22.00	22.00	25.00	19.00	20.00	32.00	50.00	26.00	22.00	26.00	26.00
Th	26.00	23.00	28.00	24.00	25.00	30.00	30.00	21.00	28.00	39.00	31.00	33.00
TiO ₂	0.75	0.79	0.45	0.68	1.00	0.74	0.86	0.85	0.91	1.03	0.80	0.88
U	9.00	6.00	7.00	6.00	5.00	8.00	5.00	3.00	8.00	9.00	7.00	8.00
V	45.00	55.00	48.00	72.00	86.00	64.00	69.00	80.00	76.00	82.00	65.00	59.00
W	14.00	12.00	8.00	13.00	17.00	17.00	9.00	14.00	19.00	10.00	17.00	13.00
Y	38.00	40.00	29.00	30.00	29.00	38.00	37.00	32.00	39.00	66.00	44.00	53.00
Zn	76.00	78.00	63.00	142.00	47.00	152.00	132.00	176.00	191.00	196.00	141.00	96.00
Zr	549.00	525.00	250.00	167.00	458.00	518.00	920.00	573.00	629.00	563.00	633.00	1057.00

Sample	HK1911	HK1912	HK1913	HK1914	HK1915	HK1916	HK1917	HK1918	HK1919	HK1920	HK1921	HK1922
Ag	0.00	0.30	0.30	0.00	0.00	0.20	0.30	0.00	0.50	0.50	0.60	0.20
As	20.00	29.00	48.00	37.00	34.00	23.00	24.00	21.00	130.00	90.00	123.00	10.00
Ba	290.00	291.00	764.00	693.00	598.00	423.00	514.00	496.00	652.00	630.00	662.00	453.00
Bi	3.00	4.00	3.00	4.00	5.00	5.00	5.00	3.00	8.00	8.00	8.00	3.00
CaO	0.25	0.33	0.34	0.30	0.37	0.68	0.19	0.30	0.24	0.34	0.31	0.93
Cd	0.70	0.60	0.80	0.90	1.90	0.50	0.50	0.70	0.50	0.80	0.60	1.20
Ce	106.00	128.00	132.00	121.00	127.00	121.00	118.00	140.00	131.00	120.00	150.00	141.00
Co	7.00	9.00	12.00	8.00	8.00	8.00	10.00	10.00	17.00	10.00	17.00	20.00
Cr	28.00	87.00	150.00	23.00	118.00	82.00	72.00	70.00	37.00	50.00	21.00	45.00
Cs	10.00	14.00	16.00	7.00	6.00	5.00	15.00	14.00	8.00	7.00	2.00	11.00
Cu	6.20	6.80	17.90	14.90	34.20	26.00	28.10	42.50	28.10	45.20	27.20	13.40
Fe ₂ O ₃	4.52	7.11	6.79	6.82	4.60	5.05	5.55	5.50	6.87	6.25	7.16	7.75
Ga	14.00	17.00	23.00	23.00	16.00	14.00	21.00	19.00	26.00	23.00	24.00	18.00
Ge	0.00	0.00	1.00	1.00	0.00	2.00	4.00	0.00	0.00	0.00	2.00	0.00
Hg	0.00	0.00	0.80	0.50	0.00	0.00	0.00	0.00	0.30	0.00	0.90	0.60
La	49.00	56.00	59.00	67.00	61.00	51.00	52.00	68.00	73.00	66.00	74.00	50.00
MnO	0.04	0.20	0.15	0.13	0.08	0.05	0.09	0.09	0.19	0.17	0.25	0.19
Mo	2.30	2.20	2.50	1.60	3.30	0.90	2.90	1.40	1.50	2.30	2.40	1.60
Nb	28.00	22.00	24.00	24.00	19.00	15.00	19.00	20.00	27.00	20.00	26.00	13.00
Ni	2.00	5.00	12.00	6.00	13.00	0.00	0.00	6.00	9.00	4.00	6.00	8.00
P ₂ O ₅	0.58	0.68	0.12	0.08	0.16	1.07	0.10	0.11	0.06	0.10	0.08	0.07
Pb	67.00	94.00	151.00	117.00	114.00	138.00	133.00	144.00	317.00	486.00	298.00	58.00
Rb	264.00	245.00	220.00	224.00	180.00	126.00	175.00	189.00	269.00	186.00	235.00	83.00
Sb	0.00	0.00	3.00	6.00	0.00	4.00	2.00	7.00	5.00	3.00	0.00	6.00
Sc	5.00	6.00	12.00	12.00	10.00	7.00	10.00	10.00	14.00	9.00	14.00	20.00
Se	0.40	0.40	1.10	1.00	1.00	0.70	0.90	0.90	1.20	1.00	1.20	1.60
Sn	11.00	13.00	11.00	6.00	46.00	57.00	5.00	9.00	24.00	9.00	25.00	24.00
Sr	43.00	40.00	50.00	54.00	112.00	35.00	33.00	42.00	35.00	47.00	39.00	73.00
Th	45.00	40.00	34.00	31.00	30.00	27.00	32.00	27.00	34.00	46.00	29.00	17.00
TiO ₂	0.46	0.45	0.82	0.87	0.88	0.65	0.68	0.73	0.82	0.72	0.79	0.92
U	7.00	7.00	4.00	11.00	11.00	8.00	5.00	5.00	7.00	5.00	6.00	3.00
V	36.00	37.00	79.00	75.00	75.00	58.00	65.00	66.00	89.00	76.00	85.00	112.00
W	9.00	11.00	13.00	17.00	15.00	11.00	9.00	13.00	15.00	16.00	11.00	8.00
Y	39.00	47.00	46.00	43.00	59.00	35.00	33.00	37.00	36.00	39.00	43.00	26.00
Zn	73.00	120.00	239.00	205.00	345.00	268.00	185.00	147.00	285.00	363.00	294.00	100.00
Zr	362.00	329.00	575.00	554.00	1635.00	633.00	533.00	487.00	524.00	551.00	360.00	295.00

Sample	HK1923	HK1924	HK1925	HK1926	HK1927	HK1928	HK1929	HK1930	HK1931	HK1932	HK1933	HK1934
Ag	0.30	0.00	0.50	0.20	0.20	0.00	0.00	0.20	0.40	0.00	0.30	0.00
As	6.00	4.00	37.00	50.00	48.00	39.00	62.00	57.00	61.00	48.00	37.00	23.00
Ba	404.00	350.00	726.00	471.00	311.00	335.00	306.00	381.00	487.00	310.00	331.00	318.00
Bi	10.00	11.00	7.00	0.00	2.00	5.00	2.00	2.00	0.00	1.00	3.00	7.00
CaO	1.22	1.22	0.31	0.17	0.17	0.23	0.18	0.15	0.21	0.19	0.14	0.18
Cd	1.70	1.80	0.80	0.30	0.40	0.40	0.40	0.20	0.20	0.20	0.20	0.30
Ce	119.00	79.00	125.00	104.00	117.00	143.00	124.00	86.00	100.00	110.00	118.00	160.00
Co	10.00	4.00	11.00	7.00	7.00	9.00	7.00	4.00	4.00	6.00	9.00	7.00
Cr	35.00	21.00	52.00	10.00	11.00	83.00	23.00	16.00	25.00	33.00	22.00	23.00
Cs	8.00	10.00	7.00	11.00	16.00	15.00	15.00	21.00	17.00	13.00	18.00	18.00
Cu	11.60	13.80	16.30	5.10	12.60	9.30	7.80	5.20	7.80	7.10	14.20	11.20
Fe ₂ O ₃	4.91	3.56	6.89	4.92	4.37	5.15	4.80	4.27	5.83	4.99	5.54	5.09
Ga	11.00	8.00	22.00	15.00	20.00	18.00	21.00	18.00	20.00	17.00	19.00	18.00
Ge	2.00	0.00	2.00	0.00	1.00	1.00	1.00	2.00	1.00	3.00	0.00	1.00
Hg	0.00	0.40	0.50	0.20	0.00	0.00	0.00	0.00	0.30	0.00	0.00	0.00
La	43.00	36.00	65.00	49.00	56.00	59.00	55.00	42.00	46.00	53.00	62.00	57.00
MnO	0.13	0.07	0.13	0.07	0.07	0.09	0.06	0.05	0.09	0.05	0.04	0.04
Mo	2.00	1.80	1.30	2.50	4.20	3.80	4.60	3.80	4.00	3.40	2.30	3.40
Nb	8.00	12.00	23.00	21.00	30.00	33.00	27.00	23.00	22.00	25.00	24.00	27.00
Ni	4.00	0.00	11.00	0.00	4.00	4.00	4.00	0.00	4.00	3.00	4.00	3.00
P ₂ O ₅	0.04	0.08	0.08	0.13	0.07	0.10	0.07	0.05	0.07	0.07	0.09	0.09
Pb	34.00	48.00	120.00	33.00	52.00	65.00	50.00	30.00	54.00	76.00	40.00	49.00
Rb	104.00	134.00	219.00	220.00	259.00	205.00	251.00	225.00	249.00	207.00	239.00	238.00
Sb	4.00	4.00	2.00	11.00	0.00	0.00	5.00	0.00	0.00	4.00	3.00	5.00
Sc	12.00	10.00	16.00	9.00	7.00	8.00	11.00	8.00	12.00	12.00	11.00	9.00
Se	1.00	0.70	1.20	0.60	0.60	1.00	0.70	0.70	0.90	1.00	1.00	1.10
Sn	39.00	36.00	12.00	8.00	12.00	14.00	11.00	6.00	9.00	7.00	13.00	9.00
Sr	101.00	107.00	51.00	23.00	28.00	25.00	25.00	17.00	18.00	19.00	18.00	21.00
Th	11.00	16.00	31.00	28.00	31.00	36.00	35.00	29.00	25.00	31.00	24.00	27.00
TiO ₂	0.65	0.46	0.83	0.49	0.64	1.02	0.68	0.65	0.64	0.99	0.97	1.01
U	3.00	3.00	7.00	4.00	6.00	8.00	9.00	6.00	7.00	4.00	7.00	9.00
V	74.00	54.00	86.00	46.00	51.00	72.00	53.00	58.00	65.00	72.00	74.00	79.00
W	9.00	5.00	14.00	2.00	12.00	15.00	11.00	8.00	9.00	13.00	16.00	15.00
Y	28.00	26.00	43.00	30.00	35.00	43.00	36.00	32.00	32.00	42.00	35.00	43.00
Zn	102.00	78.00	208.00	54.00	78.00	99.00	83.00	48.00	79.00	69.00	79.00	83.00
Zr	518.00	679.00	421.00	340.00	508.00	1724.00	452.00	447.00	320.00	835.00	500.00	3187.00

Sample	HK1935	HK1936	HK1937	HK1938	HK1939	HK1940	HK1941	HK1942	HK1943	HK1944	HK1945	HK1946
Ag	0.00	0.30	0.40	0.40	0.40	0.00	0.00	0.20	0.30	0.20	0.40	0.00
As	46.00	110.00	118.00	11.00	13.00	20.00	20.00	49.00	12.00	16.00	20.00	19.00
Ba	430.00	462.00	461.00	142.00	132.00	413.00	423.00	384.00	385.00	337.00	420.00	439.00
Bi	3.00	0.00	1.00	0.00	0.00	2.00	4.00	0.00	2.00	2.00	3.00	4.00
CaO	0.20	0.23	0.20	0.12	0.12	0.22	0.29	0.21	0.24	0.36	0.32	0.22
Cd	0.20	0.20	0.20	0.00	0.00	0.30	0.30	0.30	0.40	0.50	0.50	0.40
Ce	124.00	116.00	128.00	59.00	52.00	122.00	131.00	112.00	135.00	130.00	156.00	131.00
Co	9.00	10.00	7.00	0.00	3.00	7.00	9.00	8.00	10.00	8.00	13.00	12.00
Cr	85.00	23.00	26.00	7.00	18.00	25.00	107.00	16.00	17.00	19.00	45.00	16.00
Cs	15.00	13.00	14.00	11.00	8.00	21.00	19.00	15.00	16.00	11.00	15.00	9.00
Cu	7.80	12.10	12.60	0.20	0.60	5.50	5.00	4.50	17.90	19.00	9.50	9.50
Fe ₂ O ₃	4.84	5.17	5.18	1.65	1.90	4.80	4.84	4.60	4.69	4.11	5.46	5.15
Ga	22.00	19.00	19.00	3.00	4.00	18.00	20.00	20.00	18.00	17.00	19.00	19.00
Ge	0.00	0.00	0.00	0.00	0.00	1.00	1.00	3.00	0.00	2.00	0.00	1.00
Hg	0.00	0.90	0.30	0.00	0.00	0.10	0.00	0.10	0.00	0.00	0.00	0.00
La	48.00	50.00	55.00	24.00	25.00	46.00	58.00	47.00	54.00	62.00	74.00	58.00
MnO	0.08	0.14	0.14	0.02	0.05	0.08	0.08	0.08	0.10	0.08	0.13	0.15
Mo	3.20	3.80	3.80	1.70	1.10	2.00	2.60	2.30	1.50	1.80	1.80	1.50
Nb	20.00	18.00	21.00	8.00	18.00	19.00	20.00	20.00	24.00	28.00	25.00	21.00
Ni	6.00	4.00	2.00	0.00	0.00	3.00	4.00	4.00	3.00	0.00	8.00	4.00
P ₂ O ₅	0.07	0.07	0.07	0.02	0.03	0.05	0.08	0.05	0.13	0.23	0.21	0.11
Pb	63.00	143.00	159.00	7.00	10.00	29.00	37.00	66.00	71.00	61.00	87.00	72.00
Rb	250.00	248.00	261.00	86.00	96.00	243.00	225.00	243.00	257.00	206.00	248.00	266.00
Sb	0.00	0.00	8.00	0.00	0.00	7.00	2.00	4.00	3.00	4.00	3.00	6.00
Sc	7.00	11.00	10.00	5.00	2.00	13.00	9.00	11.00	12.00	6.00	11.00	13.00
Se	0.70	0.70	0.80	0.20	0.20	0.80	0.70	0.70	0.70	0.80	0.80	0.90
Sn	9.00	12.00	0.00	4.00	2.00	6.00	11.00	0.00	14.00	11.00	8.00	10.00
Sr	19.00	19.00	16.00	9.00	10.00	22.00	24.00	21.00	29.00	34.00	35.00	30.00
Th	36.00	33.00	32.00	16.00	18.00	31.00	31.00	27.00	27.00	31.00	31.00	33.00
TiO ₂	0.61	0.66	0.67	0.31	0.27	0.59	0.65	0.59	0.70	0.84	0.82	0.68
U	4.00	6.00	6.00	3.00	6.00	3.00	7.00	5.00	8.00	10.00	6.00	8.00
V	56.00	55.00	62.00	23.00	22.00	59.00	57.00	57.00	58.00	59.00	64.00	67.00
W	6.00	16.00	12.00	0.00	5.00	8.00	10.00	8.00	11.00	13.00	6.00	10.00
Y	30.00	29.00	30.00	18.00	24.00	26.00	31.00	26.00	36.00	34.00	41.00	35.00
Zn	69.00	103.00	97.00	21.00	23.00	52.00	59.00	69.00	140.00	146.00	102.00	98.00
Zr	393.00	404.00	387.00	237.00	194.00	302.00	379.00	339.00	988.00	1195.00	737.00	479.00

Sample	HK1947	HK1948	HK1949	HK1950	HK1951	HK1952	HK1953	HK1954	HK1955	HK1956	HK1957	HK1958
Ag	0.00	0.30	0.50	0.60	0.80	0.40	0.40	0.80	0.20	0.60	0.60	0.30
As	17.00	41.00	50.00	57.00	98.00	32.00	32.00	130.00	87.00	79.00	48.00	10.00
Ba	409.00	799.00	677.00	702.00	396.00	238.00	170.00	530.00	486.00	505.00	515.00	35.00
Bi	0.00	0.00	4.00	2.00	2.00	2.00	0.00	0.00	2.00	3.00	4.00	11.00
CaO	0.23	0.28	0.28	0.32	0.21	0.12	0.11	0.28	0.58	0.28	0.18	0.17
Cd	0.40	0.80	0.80	0.80	0.20	0.20	0.20	0.40	0.40	0.40	0.40	0.00
Ce	142.00	113.00	100.00	130.00	203.00	47.00	33.00	166.00	165.00	160.00	163.00	101.00
Co	12.00	17.00	11.00	10.00	18.00	4.00	5.00	23.00	20.00	16.00	13.00	3.00
Cr	11.00	55.00	20.00	29.00	33.00	14.00	10.00	169.00	72.00	103.00	31.00	28.00
Cs	11.00	6.00	12.00	10.00	14.00	6.00	5.00	3.00	12.00	9.00	12.00	24.00
Cu	6.40	19.80	18.80	18.30	20.90	0.00	2.50	20.00	19.70	19.00	18.10	1.50
Fe ₂ O ₃	4.82	7.29	6.29	6.48	7.77	1.47	1.09	7.69	6.97	5.87	4.89	2.33
Ga	18.00	26.00	23.00	24.00	30.00	0.00	0.00	26.00	23.00	23.00	18.00	26.00
Ge	0.00	0.00	2.00	2.00	0.00	2.00	3.00	2.00	0.00	2.00	0.00	1.00
Hg	0.00	1.10	0.40	0.00	0.00	0.00	0.00	0.80	1.20	1.10	1.10	0.00
La	59.00	70.00	58.00	61.00	87.00	21.00	15.00	79.00	86.00	78.00	81.00	12.00
MnO	0.13	0.14	0.11	0.14	0.11	0.08	0.07	0.40	0.26	0.17	0.06	0.04
Mo	2.30	2.30	1.90	1.70	2.20	1.80	0.90	2.90	3.00	2.00	1.50	5.30
Nb	26.00	25.00	19.00	21.00	29.00	6.00	2.00	27.00	34.00	25.00	29.00	51.00
Ni	5.00	8.00	9.00	7.00	9.00	0.00	0.00	7.00	8.00	9.00	9.00	10.00
P ₂ O ₅	0.12	0.09	0.09	0.10	0.05	0.02	0.02	0.06	0.07	0.07	0.06	0.01
Pb	70.00	168.00	136.00	144.00	234.00	107.00	114.00	340.00	249.00	230.00	226.00	76.00
Rb	259.00	234.00	242.00	238.00	186.00	62.00	51.00	216.00	216.00	204.00	189.00	412.00
Sb	0.00	0.00	3.00	0.00	5.00	1.00	7.00	7.00	1.00	5.00	2.00	3.00
Sc	11.00	12.00	13.00	13.00	14.00	6.00	5.00	15.00	13.00	15.00	15.00	7.00
Se	0.80	1.30	1.10	1.10	1.30	0.20	0.00	1.30	1.40	1.10	1.10	0.00
Sn	7.00	9.00	11.00	11.00	105.00	30.00	16.00	102.00	500.00	43.00	20.00	27.00
Sr	29.00	51.00	47.00	49.00	18.00	17.00	14.00	30.00	30.00	28.00	25.00	11.00
Th	32.00	29.00	29.00	36.00	43.00	2.00	16.00	37.00	36.00	29.00	35.00	58.00
TiO ₂	0.74	0.84	0.78	0.81	1.01	0.35	0.21	0.94	1.07	0.97	1.10	0.14
U	5.00	8.00	5.00	6.00	7.00	0.00	0.00	9.00	11.00	9.00	9.00	9.00
V	63.00	91.00	79.00	77.00	90.00	23.00	20.00	90.00	97.00	80.00	80.00	16.00
W	12.00	10.00	8.00	9.00	13.00	6.00	0.00	17.00	12.00	11.00	14.00	11.00
Y	39.00	40.00	41.00	41.00	55.00	13.00	12.00	45.00	51.00	50.00	60.00	58.00
Zn	96.00	230.00	188.00	243.00	232.00	42.00	33.00	234.00	227.00	221.00	221.00	56.00
Zr	886.00	436.00	401.00	498.00	457.00	189.00	107.00	580.00	1204.00	901.00	1192.00	333.00

Sample	HK1959	HK1960	HK1961	HK1962	HK1963	HK1964	HK1965	HK1966	HK1967	HK1968	HK1969	HK1970
Ag	0.50	0.40	0.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00
As	19.00	12.00	22.00	26.00	10.00	14.00	16.00	14.00	3.00	6.00	6.00	17.00
Ba	49.00	52.00	55.00	261.00	255.00	197.00	184.00	189.00	18.00	30.00	11.00	360.00
Bi	8.00	4.00	6.00	15.00	7.00	5.00	5.00	0.00	2.00	4.00	4.00	0.00
CaO	0.21	0.21	0.22	0.54	0.35	0.21	0.21	0.20	0.14	0.14	0.14	0.28
Cd	0.20	0.20	0.20	0.50	0.50	0.30	0.40	0.40	0.00	0.00	0.00	0.50
Ce	132.00	127.00	146.00	166.00	104.00	181.00	176.00	175.00	182.00	175.00	208.00	251.00
Co	6.00	4.00	3.00	5.00	8.00	6.00	7.00	3.00	3.00	3.00	0.00	11.00
Cr	28.00	190.00	76.00	28.00	20.00	20.00	22.00	11.00	5.00	54.00	35.00	50.00
Cs	14.00	14.00	13.00	8.00	20.00	15.00	15.00	9.00	3.00	5.00	6.00	16.00
Cu	5.00	5.40	4.20	22.40	5.00	1.10	4.70	1.50	0.20	0.00	0.00	7.70
Fe ₂ O ₃	3.17	3.00	3.10	5.21	3.40	3.87	4.24	4.02	2.36	2.47	2.70	8.17
Ga	32.00	31.00	38.00	17.00	12.00	14.00	17.00	15.00	15.00	15.00	19.00	23.00
Ge	0.00	2.00	6.00	0.00	0.00	2.00	0.00	0.00	0.00	1.00	0.00	2.00
Hg	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80
La	26.00	23.00	30.00	66.00	36.00	67.00	62.00	67.00	35.00	30.00	31.00	74.00
MnO	0.07	0.07	0.07	0.07	0.08	0.14	0.17	0.16	0.02	0.03	0.02	0.21
Mo	1.50	2.30	2.10	4.10	1.90	2.20	3.20	2.30	1.80	3.00	1.80	3.50
Nb	66.00	59.00	60.00	24.00	14.00	45.00	41.00	39.00	46.00	44.00	32.00	29.00
Ni	12.00	13.00	11.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P ₂ O ₅	0.01	0.02	0.02	0.95	0.08	0.06	0.07	0.06	0.00	0.02	0.01	0.12
Pb	135.00	124.00	116.00	144.00	61.00	44.00	51.00	48.00	38.00	31.00	34.00	62.00
Rb	441.00	412.00	405.00	215.00	153.00	122.00	133.00	126.00	92.00	95.00	86.00	133.00
Sb	6.00	9.00	0.00	5.00	4.00	3.00	5.00	4.00	4.00	0.00	2.00	3.00
Sc	11.00	9.00	5.00	11.00	7.00	11.00	11.00	14.00	11.00	12.00	12.00	16.00
Se	0.00	0.00	0.00	0.50	0.40	0.30	0.30	0.30	0.00	0.00	0.00	0.70
Sn	34.00	46.00	44.00	23.00	13.00	6.00	5.00	10.00	8.00	9.00	11.00	12.00
Sr	17.00	15.00	15.00	35.00	34.00	24.00	27.00	26.00	7.00	7.00	5.00	32.00
Th	88.00	80.00	90.00	56.00	28.00	30.00	30.00	25.00	33.00	36.00	35.00	29.00
TiO ₂	0.21	0.19	0.18	0.46	0.41	0.56	0.52	0.52	0.18	0.19	0.16	0.65
U	12.00	13.00	13.00	11.00	10.00	6.00	6.00	6.00	7.00	3.00	4.00	3.00
V	17.00	17.00	18.00	41.00	36.00	31.00	29.00	28.00	7.00	15.00	9.00	58.00
W	11.00	13.00	16.00	15.00	7.00	8.00	8.00	9.00	8.00	11.00	6.00	4.00
Y	59.00	51.00	57.00	52.00	27.00	41.00	38.00	39.00	45.00	44.00	38.00	37.00
Zn	62.00	61.00	82.00	217.00	54.00	74.00	83.00	77.00	41.00	43.00	43.00	153.00
Zr	388.00	471.00	265.00	809.00	540.00	713.00	588.00	667.00	595.00	643.00	323.00	464.00

Sample	HK1971	HK1972	HK1973	HK1974	HK1975	HK1976	HK1977	HK1978	HK1979	HK1980	HK1981	HK1982
Ag	0.00	0.00	0.60	0.00	0.00	0.40	0.00	0.00	0.40	0.00	0.70	0.50
As	15.00	16.00	14.00	14.00	10.00	5.00	12.00	18.00	15.00	17.00	39.00	13.00
Ba	427.00	159.00	185.00	197.00	217.00	172.00	53.00	39.00	248.00	233.00	194.00	199.00
Bi	2.00	2.00	5.00	5.00	4.00	5.00	3.00	1.00	0.00	7.00	12.00	7.00
CaO	0.24	0.26	0.28	0.29	0.30	0.20	0.44	0.21	0.41	0.27	0.19	0.20
Cd	0.60	0.30	0.40	0.40	0.40	0.20	0.40	0.30	0.40	0.30	0.20	0.30
Ce	250.00	344.00	171.00	209.00	330.00	163.00	307.00	296.00	430.00	309.00	316.00	202.00
Co	10.00	5.00	0.00	3.00	5.00	0.00	5.00	3.00	4.00	7.00	7.00	6.00
Cr	16.00	36.00	51.00	9.00	11.00	25.00	36.00	25.00	54.00	13.00	37.00	15.00
Cs	7.00	14.00	10.00	8.00	9.00	5.00	8.00	7.00	8.00	13.00	11.00	8.00
Cu	10.30	4.80	7.10	3.00	0.20	2.00	2.40	1.40	42.40	7.80	14.40	8.50
Fe ₂ O ₃	8.76	4.35	4.92	4.25	3.38	3.19	3.78	3.10	4.25	4.89	6.30	4.31
Ga	20.00	17.00	18.00	17.00	16.00	19.00	17.00	15.00	18.00	30.00	34.00	32.00
Ge	3.00	2.00	2.00	0.00	2.00	2.00	0.00	0.00	1.00	0.00	2.00	0.00
Hg	0.00	0.00	0.00	0.00	0.00	0.00	1.50	1.30	0.80	0.20	1.50	1.30
La	74.00	109.00	61.00	74.00	103.00	93.00	97.00	81.00	135.00	56.00	65.00	58.00
MnO	0.11	0.12	0.16	0.14	0.10	0.19	0.11	0.07	0.24	0.10	0.12	0.11
Mo	3.50	2.10	2.80	3.00	1.20	1.30	1.80	1.80	0.80	7.40	3.80	11.30
Nb	22.00	33.00	34.00	43.00	26.00	25.00	32.00	31.00	32.00	77.00	78.00	90.00
Ni	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.00	6.00	9.00
P ₂ O ₅	0.14	0.07	0.08	0.08	0.10	0.03	0.08	0.06	0.13	0.08	0.07	0.04
Pb	72.00	85.00	56.00	64.00	38.00	22.00	66.00	86.00	87.00	119.00	339.00	123.00
Rb	146.00	124.00	154.00	134.00	100.00	189.00	98.00	94.00	124.00	231.00	234.00	298.00
Sb	9.00	6.00	5.00	4.00	4.00	2.00	5.00	7.00	0.00	4.00	4.00	1.00
Sc	16.00	11.00	12.00	13.00	8.00	12.00	13.00	10.00	10.00	10.00	9.00	11.00
Se	1.00	0.30	0.30	0.20	0.30	0.00	0.00	0.00	0.00	0.30	0.40	0.30
Sn	9.00	9.00	11.00	6.00	10.00	8.00	10.00	7.00	5.00	63.00	149.00	86.00
Sr	36.00	24.00	28.00	27.00	26.00	16.00	25.00	23.00	30.00	22.00	18.00	23.00
Th	26.00	25.00	23.00	28.00	20.00	31.00	26.00	25.00	29.00	73.00	86.00	84.00
TiO ₂	0.69	0.43	0.43	0.49	0.50	0.29	0.42	0.33	0.48	0.59	0.65	0.53
U	4.00	5.00	5.00	5.00	6.00	5.00	8.00	6.00	8.00	14.00	10.00	12.00
V	73.00	33.00	28.00	26.00	29.00	13.00	17.00	11.00	17.00	27.00	35.00	27.00
W	8.00	4.00	9.00	7.00	4.00	0.00	4.00	13.00	5.00	23.00	22.00	29.00
Y	36.00	45.00	39.00	43.00	40.00	39.00	46.00	49.00	49.00	73.00	56.00	70.00
Zn	165.00	97.00	102.00	97.00	98.00	71.00	74.00	80.00	139.00	294.00	319.00	145.00
Zr	443.00	548.00	642.00	823.00	633.00	530.00	780.00	1005.00	630.00	854.00	1256.00	1316.00

Sample	HK1983	HK1984	HK1985	HK1986	HK1987	HK1988	HK1989	HK1990	HK1991	HK1992	HK1993	HK1994
Ag	0.40	0.90	0.70	2.40	0.70	0.80	0.80	0.70	0.80	0.90	0.90	0.60
As	13.00	11.00	3.00	7.00	10.00	10.00	9.00	6.00	10.00	11.00	8.00	58.00
Ba	70.00	0.00	21.00	14.00	17.00	14.00	451.00	366.00	401.00	72.00	73.00	312.00
Bi	7.00	6.00	4.00	9.00	13.00	10.00	4.00	2.00	6.00	3.00	4.00	3.00
CaO	0.20	0.19	0.15	0.16	0.21	0.19	0.27	0.28	0.40	0.19	0.18	0.23
Cd	0.00	0.00	0.00	0.00	0.00	0.00	0.70	0.70	1.20	0.30	0.40	0.30
Ce	180.00	115.00	116.00	126.00	110.00	111.00	196.00	216.00	241.00	233.00	234.00	137.00
Co	4.00	5.00	4.00	5.00	3.00	0.00	6.00	7.00	10.00	7.00	0.00	9.00
Cr	28.00	10.00	16.00	18.00	82.00	38.00	28.00	21.00	115.00	11.00	7.00	80.00
Cs	5.00	3.00	7.00	4.00	9.00	4.00	10.00	8.00	7.00	14.00	15.00	14.00
Cu	7.50	0.20	0.40	3.80	3.60	4.50	4.60	7.50	16.00	1.80	0.00	4.40
Fe ₂ O ₃	4.92	5.17	3.56	3.88	3.26	3.22	4.98	3.96	4.21	4.03	3.83	4.79
Ga	40.00	49.00	48.00	46.00	35.00	36.00	28.00	18.00	22.00	34.00	33.00	20.00
Ge	1.00	5.00	3.00	3.00	2.00	2.00	2.00	0.00	0.00	3.00	1.00	1.00
Hg	0.20	0.20	0.40	0.50	0.00	0.00	1.00	1.70	0.00	0.00	0.00	0.00
La	39.00	9.00	17.00	14.00	20.00	13.00	91.00	90.00	99.00	83.00	83.00	54.00
MnO	0.06	0.08	0.03	0.08	0.13	0.13	0.14	0.10	0.08	0.07	0.06	0.07
Mo	21.50	4.30	4.90	6.50	6.00	5.70	3.70	3.40	3.40	0.70	0.10	3.40
Nb	146.00	278.00	381.00	386.00	364.00	332.00	48.00	60.00	55.00	52.00	51.00	27.00
Ni	13.00	6.00	17.00	12.00	21.00	18.00	6.00	4.00	7.00	3.00	3.00	3.00
P ₂ O ₅	0.05	0.02	0.02	0.02	0.03	0.02	0.06	0.07	0.09	0.02	0.01	0.06
Pb	89.00	67.00	81.00	125.00	108.00	111.00	66.00	71.00	66.00	69.00	71.00	47.00
Rb	218.00	177.00	264.00	265.00	315.00	317.00	281.00	220.00	214.00	212.00	220.00	209.00
Sb	5.00	2.00	2.00	5.00	3.00	2.00	3.00	2.00	4.00	1.00	1.00	6.00
Sc	10.00	17.00	14.00	14.00	15.00	11.00	10.00	10.00	12.00	7.00	5.00	7.00
Se	0.30	0.00	0.00	0.20	0.20	0.00	0.40	0.40	0.40	0.00	0.00	0.70
Sn	69.00	78.00	299.00	341.00	242.00	199.00	18.00	16.00	18.00	12.00	10.00	7.00
Sr	13.00	7.00	7.00	8.00	10.00	11.00	46.00	43.00	74.00	24.00	26.00	21.00
Th	111.00	114.00	131.00	137.00	116.00	115.00	47.00	52.00	51.00	71.00	73.00	39.00
TiO ₂	0.45	0.23	0.25	0.22	0.18	0.17	0.57	0.69	0.64	0.28	0.28	0.82
U	13.00	15.00	32.00	29.00	35.00	26.00	10.00	11.00	15.00	6.00	7.00	5.00
V	32.00	19.00	19.00	21.00	23.00	17.00	36.00	34.00	35.00	14.00	15.00	58.00
W	27.00	29.00	37.00	41.00	46.00	37.00	11.00	4.00	14.00	10.00	10.00	8.00
Y	99.00	71.00	134.00	121.00	161.00	154.00	41.00	53.00	56.00	65.00	69.00	33.00
Zn	132.00	62.00	67.00	86.00	121.00	119.00	139.00	118.00	129.00	56.00	54.00	66.00
Zr	781.00	528.00	810.00	811.00	778.00	687.00	820.00	2047.00	2419.00	287.00	359.00	543.00

Sample	HK1995	HK1996	HK1997	HK1998	HK1999	HK2000	HK2001	HK2002	HK2003	HK2004	HK2005	HK2006
Ag	0.40	0.60	0.70	1.00	1.20	1.00	0.60	0.30	0.70	0.50	0.40	0.70
As	16.00	18.00	40.00	34.00	7.00	54.00	20.00	0.00	3.00	23.00	15.00	13.00
Ba	70.00	73.00	296.00	96.00	506.00	109.00	186.00	0.00	386.00	61.00	35.00	45.00
Bi	1.00	0.00	0.00	10.00	0.00	20.00	10.00	13.00	11.00	6.00	6.00	5.00
CaO	0.10	0.10	0.18	0.18	0.37	0.18	0.33	0.13	1.32	0.21	0.18	0.17
Cd	0.00	0.00	0.20	0.20	0.50	0.00	0.20	0.00	1.70	0.20	0.00	0.00
Ce	35.00	56.00	227.00	182.00	91.00	176.00	134.00	22.00	110.00	148.00	102.00	120.00
Co	0.00	4.00	14.00	4.00	11.00	9.00	8.00	0.00	14.00	5.00	0.00	4.00
Cr	7.00	8.00	67.00	127.00	20.00	47.00	54.00	5.00	40.00	40.00	14.00	77.00
Cs	6.00	8.00	14.00	18.00	14.00	19.00	11.00	0.00	6.00	23.00	15.00	22.00
Cu	0.00	0.00	8.90	15.10	15.10	13.20	13.00	45.20	14.50	4.10	0.00	1.90
Fe ₂ O ₃	0.90	1.00	6.89	3.40	6.14	4.15	3.46	0.39	4.71	3.28	1.69	2.73
Ga	0.00	0.00	22.00	38.00	18.00	41.00	23.00	0.00	10.00	36.00	21.00	38.00
Ge	1.00	3.00	0.00	2.00	2.00	4.00	0.00	0.00	3.00	2.00	0.00	2.00
Hg	0.00	0.00	3.00	1.40	1.60	1.50	1.30	0.50	0.00	0.00	0.00	0.00
La	14.00	24.00	47.00	47.00	69.00	64.00	56.00	6.00	42.00	20.00	18.00	41.00
MnO	0.00	0.01	0.08	0.14	0.15	0.15	0.08	0.02	0.14	0.09	0.04	0.04
Mo	1.00	2.00	2.20	4.10	2.80	6.50	2.50	1.10	1.10	1.30	0.10	3.00
Nb	0.00	2.00	32.00	58.00	21.00	64.00	37.00	0.00	11.00	74.00	52.00	64.00
Ni	0.00	0.00	0.00	10.00	4.00	11.00	12.00	0.00	6.00	12.00	6.00	20.00
P ₂ O ₅	0.02	0.01	0.06	0.02	0.04	0.02	0.11	0.02	0.06	0.02	0.02	0.01
Pb	8.00	9.00	72.00	329.00	61.00	420.00	200.00	31.00	45.00	152.00	109.00	100.00
Rb	62.00	56.00	179.00	417.00	291.00	463.00	379.00	136.00	111.00	407.00	441.00	531.00
Sb	3.00	6.00	8.00	0.00	9.00	2.00	0.00	0.00	2.00	1.00	0.00	5.00
Sc	6.00	4.00	14.00	8.00	9.00	9.00	9.00	2.00	12.00	9.00	5.00	8.00
Se	0.00	0.00	1.30	0.00	0.80	0.00	0.40	0.00	0.90	0.00	0.00	0.00
Sn	2.00	0.00	7.00	64.00	11.00	60.00	89.00	9.00	41.00	42.00	27.00	34.00
Sr	5.00	6.00	19.00	14.00	31.00	13.00	19.00	4.00	102.00	15.00	13.00	13.00
Th	2.00	9.00	35.00	114.00	23.00	108.00	55.00	13.00	15.00	86.00	70.00	88.00
TiO ₂	0.11	0.17	1.31	0.25	0.72	0.29	0.39	0.02	0.63	0.22	0.18	0.16
U	2.00	2.00	8.00	11.00	8.00	9.00	13.00	4.00	4.00	16.00	11.00	14.00
V	14.00	14.00	92.00	18.00	63.00	15.00	34.00	5.00	67.00	14.00	12.00	14.00
W	0.00	0.00	15.00	17.00	6.00	31.00	17.00	0.00	5.00	8.00	12.00	11.00
Y	12.00	16.00	30.00	43.00	38.00	87.00	58.00	8.00	29.00	47.00	37.00	99.00
Zn	15.00	17.00	75.00	118.00	229.00	120.00	137.00	28.00	107.00	78.00	44.00	50.00
Zr	91.00	677.00	913.00	554.00	92.00	331.00	858.00	76.00	452.00	437.00	406.00	323.00

Sample	HK2007	HK2008	HK2009	HK2010	HK2011	HK2012	HK2013	HK2014	HK2015	HK2016	HK2017	HK2018
Ag	0.50	0.50	0.30	0.20	0.20	0.30	0.30	0.40	0.40	0.30	0.50	0.50
As	19.00	7.00	3.00	19.00	15.00	10.00	21.00	23.00	17.00	11.00	25.00	45.00
Ba	50.00	68.00	41.00	27.00	50.00	516.00	239.00	256.00	295.00	161.00	55.00	115.00
Bi	5.00	5.00	9.00	13.00	17.00	0.00	5.00	8.00	6.00	6.00	6.00	5.00
CaO	0.20	0.19	0.25	0.17	0.21	0.38	0.20	0.31	0.48	0.29	0.35	0.36
Cd	0.20	0.20	0.20	0.00	0.20	0.50	0.60	0.40	1.10	0.60	0.30	0.30
Ce	118.00	69.00	44.00	121.00	110.00	87.00	122.00	184.00	540.00	231.00	159.00	160.00
Co	5.00	6.00	0.00	4.00	0.00	11.00	4.00	7.00	8.00	9.00	7.00	7.00
Cr	76.00	14.00	15.00	100.00	11.00	29.00	26.00	13.00	22.00	7.00	24.00	47.00
Cs	15.00	14.00	13.00	14.00	8.00	12.00	20.00	16.00	7.00	10.00	5.00	7.00
Cu	1.50	5.10	6.30	4.10	47.70	15.90	4.60	6.40	7.20	2.10	14.10	33.20
Fe ₂ O ₃	2.88	3.02	1.15	2.78	3.47	6.08	3.58	3.20	5.70	3.67	3.74	3.65
Ga	37.00	20.00	14.00	39.00	34.00	20.00	20.00	9.00	21.00	23.00	33.00	26.00
Ge	2.00	3.00	1.00	4.00	0.00	1.00	1.00	2.00	1.00	2.00	3.00	3.00
Hg	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.20	0.00	0.00	0.00
La	39.00	13.00	10.00	35.00	39.00	65.00	51.00	72.00	191.00	91.00	38.00	60.00
MnO	0.05	0.03	0.02	0.07	0.05	0.13	0.08	0.12	0.18	0.20	0.17	0.11
Mo	3.00	6.70	2.90	5.30	13.90	2.60	3.00	4.90	6.90	4.90	4.50	3.30
Nb	68.00	34.00	21.00	58.00	56.00	18.00	33.00	29.00	29.00	52.00	85.00	57.00
Ni	17.00	5.00	5.00	18.00	21.00	7.00	7.00	5.00	8.00	16.00	20.00	21.00
P ₂ O ₅	0.01	0.08	0.06	0.04	0.04	0.04	0.08	0.07	0.15	0.08	0.11	0.07
Pb	112.00	52.00	56.00	175.00	119.00	49.00	58.00	123.00	64.00	84.00	152.00	242.00
Rb	506.00	314.00	320.00	618.00	503.00	289.00	300.00	169.00	184.00	285.00	310.00	273.00
Sb	1.00	0.00	2.00	4.00	0.00	4.00	3.00	3.00	0.00	2.00	0.00	0.00
Sc	4.00	6.00	6.00	4.00	4.00	11.00	5.00	10.00	18.00	13.00	10.00	8.00
Se	0.00	0.20	0.20	0.00	0.00	0.80	0.30	0.40	0.50	0.20	0.00	0.00
Sn	36.00	59.00	51.00	64.00	117.00	8.00	14.00	10.00	8.00	18.00	32.00	21.00
Sr	16.00	15.00	19.00	12.00	15.00	32.00	39.00	30.00	69.00	39.00	21.00	24.00
Th	85.00	45.00	29.00	93.00	71.00	23.00	40.00	32.00	37.00	48.00	75.00	67.00
TiO ₂	0.18	0.26	0.16	0.13	0.15	0.67	0.50	0.74	0.86	0.51	0.24	0.29
U	11.00	9.00	9.00	14.00	12.00	4.00	8.00	12.00	5.00	14.00	10.00	11.00
V	14.00	22.00	23.00	16.00	15.00	59.00	32.00	42.00	44.00	28.00	19.00	20.00
W	15.00	15.00	6.00	22.00	17.00	10.00	15.00	8.00	10.00	5.00	12.00	10.00
Y	85.00	38.00	37.00	87.00	116.00	34.00	41.00	40.00	40.00	84.00	91.00	86.00
Zn	58.00	45.00	57.00	68.00	328.00	220.00	63.00	99.00	171.00	95.00	149.00	246.00
Zr	264.00	468.00	360.00	447.00	247.00	101.00	397.00	1942.00	1913.00	1157.00	215.00	234.00

Sample	HK2019	HK2020	HK2021	HK2022	HK2023	HK2024	HK2025	HK2026	HK2027	HK2028	HK2029	HK2030
Ag	0.50	0.30	0.00	0.20	0.30	0.30	0.80	0.60	0.30	0.00	0.40	0.30
As	5.00	13.00	12.00	13.00	11.00	11.00	24.00	21.00	19.00	13.00	11.00	1.00
Ba	219.00	161.00	138.00	166.00	77.00	108.00	62.00	57.00	47.00	70.00	74.00	69.00
Bi	2.00	3.00	2.00	6.00	3.00	4.00	5.00	4.00	2.00	3.00	2.00	3.00
CaO	0.29	0.69	0.25	0.29	0.26	0.47	0.57	0.35	0.28	0.25	0.26	0.19
Cd	0.50	0.30	0.30	0.30	0.20	0.50	0.50	0.30	0.40	0.00	0.20	0.00
Ce	174.00	149.00	120.00	149.00	92.00	134.00	177.00	181.00	227.00	158.00	195.00	41.00
Co	3.00	8.00	5.00	7.00	3.00	0.00	8.00	4.00	5.00	5.00	4.00	0.00
Cr	24.00	59.00	206.00	14.00	85.00	22.00	56.00	128.00	25.00	8.00	17.00	4.00
Cs	11.00	5.00	4.00	17.00	3.00	3.00	8.00	8.00	4.00	12.00	5.00	8.00
Cu	3.20	42.30	6.50	11.30	2.80	13.10	9.90	9.40	2.20	3.00	2.70	0.00
Fe ₂ O ₃	3.18	4.26	2.80	3.36	2.26	2.48	3.03	2.77	2.78	2.33	2.54	1.13
Ga	17.00	19.00	13.00	16.00	11.00	16.00	25.00	25.00	28.00	16.00	15.00	0.00
Ge	0.00	2.00	2.00	2.00	1.00	1.00	2.00	3.00	1.00	3.00	3.00	2.00
Hg	0.00	0.00	0.00	0.00	0.00	0.00	0.30	1.30	0.70	0.70	0.80	0.00
La	64.00	32.00	28.00	36.00	31.00	40.00	46.00	40.00	31.00	45.00	92.00	10.00
MnO	0.16	0.15	0.13	0.22	0.10	0.07	0.19	0.13	0.16	0.05	0.11	0.04
Mo	3.70	4.50	4.50	3.80	3.30	3.90	2.20	3.40	0.80	3.10	3.00	2.10
Nb	40.00	47.00	47.00	45.00	56.00	48.00	64.00	72.00	74.00	53.00	54.00	19.00
Ni	6.00	11.00	7.00	12.00	10.00	8.00	16.00	18.00	13.00	8.00	12.00	0.00
P ₂ O ₅	0.10	0.19	0.06	0.08	0.09	0.06	0.05	0.04	0.05	0.03	0.03	0.02
Pb	54.00	81.00	55.00	77.00	65.00	67.00	186.00	150.00	145.00	63.00	85.00	20.00
Rb	164.00	98.00	135.00	154.00	128.00	149.00	298.00	303.00	269.00	174.00	185.00	101.00
Sb	6.00	0.00	0.00	3.00	0.00	0.00	3.00	2.00	3.00	0.00	2.00	2.00
Sc	8.00	12.00	11.00	9.00	9.00	11.00	8.00	10.00	13.00	5.00	7.00	0.00
Se	0.00	0.20	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00
Sn	9.00	20.00	9.00	14.00	12.00	12.00	21.00	14.00	11.00	9.00	10.00	0.00
Sr	31.00	24.00	20.00	21.00	15.00	32.00	31.00	25.00	27.00	13.00	16.00	11.00
Th	43.00	46.00	37.00	46.00	35.00	33.00	63.00	62.00	61.00	44.00	47.00	12.00
TiO ₂	0.33	0.40	0.34	0.33	0.34	0.33	0.22	0.23	0.26	0.23	0.21	0.15
U	6.00	7.00	9.00	8.00	7.00	6.00	9.00	10.00	10.00	8.00	8.00	4.00
V	22.00	29.00	20.00	21.00	22.00	24.00	13.00	19.00	13.00	16.00	14.00	10.00
W	4.00	6.00	6.00	8.00	8.00	8.00	4.00	11.00	5.00	7.00	11.00	12.00
Y	46.00	43.00	46.00	48.00	54.00	53.00	79.00	82.00	64.00	65.00	85.00	30.00
Zn	80.00	236.00	93.00	103.00	80.00	103.00	166.00	119.00	66.00	61.00	63.00	29.00
Zr	370.00	375.00	418.00	300.00	332.00	249.00	306.00	370.00	375.00	311.00	251.00	280.00

Sample	HK2031	HK2032	HK2033	HK2034	HK2035	HK2036	HK2037	HK2038	HK2039	HK2040	HK2041	HK2042
Ag	0.00	0.50	0.50	0.00	0.40	0.40	0.30	0.30	0.40	0.30	0.40	0.30
As	335.00	91.00	13.00	12.00	10.00	17.00	17.00	14.00	12.00	9.00	10.00	18.00
Ba	78.00	94.00	109.00	75.00	51.00	107.00	85.00	140.00	162.00	89.00	77.00	110.00
Bi	8.00	4.00	6.00	4.00	0.00	3.00	4.00	4.00	3.00	0.00	0.00	0.00
CaO	0.25	0.31	0.54	0.50	0.43	0.27	0.38	0.37	0.34	0.21	0.21	0.28
Cd	0.00	0.00	0.20	0.20	0.00	0.20	0.20	0.30	0.20	0.20	0.20	0.20
Ce	99.00	64.00	205.00	162.00	142.00	146.00	158.00	161.00	136.00	87.00	91.00	141.00
Co	4.00	4.00	3.00	5.00	0.00	0.00	6.00	7.00	8.00	0.00	0.00	5.00
Cr	36.00	11.00	24.00	61.00	112.00	11.00	65.00	22.00	25.00	12.00	11.00	35.00
Cs	10.00	6.00	11.00	7.00	0.00	13.00	4.00	4.00	5.00	9.00	9.00	16.00
Cu	15.90	5.70	3.80	1.70	0.90	2.60	3.30	6.70	2.00	0.80	1.80	0.20
Fe ₂ O ₃	4.18	2.73	2.90	2.81	2.40	2.96	2.75	2.58	2.49	2.78	2.79	2.99
Ga	12.00	7.00	18.00	16.00	16.00	18.00	19.00	14.00	16.00	9.00	8.00	13.00
Ge	1.00	0.00	1.00	2.00	3.00	2.00	3.00	1.00	2.00	0.00	4.00	0.00
Hg	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.70	0.70	1.90	2.00	1.00
La	23.00	15.00	49.00	36.00	23.00	34.00	39.00	64.00	53.00	20.00	16.00	49.00
MnO	0.07	0.07	0.13	0.07	0.06	0.12	0.12	0.28	0.20	0.20	0.19	0.18
Mo	4.30	2.80	3.20	4.20	3.90	4.70	3.20	5.50	3.20	3.20	2.70	4.00
Nb	36.00	17.00	49.00	53.00	62.00	50.00	51.00	46.00	46.00	34.00	33.00	56.00
Ni	20.00	7.00	9.00	8.00	9.00	11.00	10.00	9.00	10.00	4.00	2.00	8.00
P ₂ O ₅	0.02	0.01	0.04	0.04	0.04	0.04	0.05	0.07	0.06	0.03	0.03	0.06
Pb	2702.00	845.00	80.00	65.00	43.00	72.00	86.00	60.00	49.00	67.00	51.00	43.00
Rb	99.00	109.00	156.00	134.00	142.00	203.00	184.00	162.00	161.00	181.00	175.00	135.00
Sb	46.00	18.00	5.00	4.00	1.00	0.00	2.00	7.00	0.00	0.00	0.00	0.00
Sc	3.00	4.00	10.00	9.00	5.00	7.00	8.00	7.00	9.00	5.00	6.00	7.00
Se	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20
Sn	16.00	14.00	11.00	17.00	7.00	14.00	15.00	16.00	14.00	12.00	0.00	10.00
Sr	12.00	13.00	16.00	15.00	12.00	17.00	19.00	25.00	19.00	17.00	16.00	15.00
Th	57.00	25.00	49.00	46.00	48.00	44.00	43.00	36.00	38.00	24.00	27.00	41.00
TiO ₂	0.26	0.11	0.27	0.28	0.26	0.22	0.26	0.26	0.24	0.15	0.15	0.30
U	6.00	4.00	8.00	10.00	7.00	10.00	6.00	11.00	10.00	4.00	3.00	7.00
V	16.00	8.00	21.00	22.00	20.00	17.00	20.00	17.00	18.00	16.00	14.00	19.00
W	19.00	11.00	10.00	7.00	10.00	12.00	5.00	11.00	11.00	5.00	0.00	5.00
Y	93.00	26.00	62.00	59.00	65.00	59.00	62.00	70.00	60.00	28.00	30.00	56.00
Zn	69.00	48.00	95.00	83.00	59.00	87.00	101.00	85.00	83.00	46.00	48.00	65.00
Zr	428.00	118.00	234.00	298.00	418.00	260.00	276.00	256.00	305.00	167.00	155.00	291.00

Sample	HK2043	HK2044	HK2045	HK2046	HK2047	HK2048	HK2049	HK2050	HK2051	HK2052	HK2053	HK2054
Ag	0.40	0.60	1.80	0.50	0.00	0.00	0.20	0.30	0.50	0.50	0.40	0.50
As	6.00	17.00	22.00	10.00	13.00	6.00	9.00	4.00	17.00	47.00	6.00	5.00
Ba	13.00	172.00	139.00	71.00	110.00	34.00	69.00	23.00	83.00	54.00	80.00	64.00
Bi	3.00	4.00	2.00	1.00	4.00	0.00	3.00	2.00	2.00	4.00	0.00	4.00
CaO	0.26	0.31	7.54	0.32	0.31	0.20	0.29	0.19	0.30	0.25	0.25	0.42
Cd	0.00	0.50	1.30	0.40	0.30	0.00	0.20	0.00	0.20	0.00	0.20	0.20
Ce	94.00	208.00	146.00	102.00	191.00	53.00	127.00	31.00	133.00	134.00	190.00	173.00
Co	3.00	6.00	6.00	0.00	4.00	4.00	4.00	0.00	5.00	3.00	3.00	3.00
Cr	8.00	32.00	38.00	17.00	44.00	15.00	10.00	14.00	110.00	52.00	17.00	21.00
Cs	9.00	3.00	0.00	7.00	9.00	7.00	9.00	5.00	0.00	4.00	14.00	10.00
Cu	0.00	13.40	56.90	0.80	0.00	1.10	0.00	0.00	0.40	0.20	0.00	2.20
Fe ₂ O ₃	1.63	4.11	3.22	3.24	2.56	2.42	2.09	1.04	2.94	2.48	2.07	3.30
Ga	11.00	17.00	18.00	26.00	13.00	4.00	10.00	0.00	16.00	13.00	12.00	18.00
Ge	1.00	0.00	5.00	3.00	3.00	3.00	1.00	3.00	4.00	0.00	3.00	0.00
Hg	0.70	1.70	2.00	0.50	0.50	1.00	1.00	0.20	0.80	0.50	0.80	0.20
La	20.00	134.00	328.00	40.00	91.00	12.00	45.00	9.00	44.00	41.00	72.00	28.00
MnO	0.09	0.13	0.12	0.18	0.22	0.12	0.10	0.03	0.18	0.14	0.08	0.06
Mo	3.40	2.30	3.60	2.60	4.40	4.70	2.80	2.10	4.50	4.40	2.70	2.80
Nb	49.00	35.00	51.00	60.00	51.00	33.00	51.00	31.00	53.00	60.00	63.00	54.00
Ni	6.00	13.00	121.00	16.00	14.00	2.00	8.00	0.00	11.00	9.00	9.00	9.00
P ₂ O ₅	0.04	0.10	0.46	0.10	0.07	0.02	0.05	0.02	0.05	0.05	0.04	0.04
Pb	30.00	92.00	177.00	75.00	60.00	39.00	47.00	17.00	61.00	55.00	39.00	43.00
Rb	112.00	257.00	219.00	291.00	158.00	107.00	118.00	61.00	151.00	118.00	116.00	100.00
Sb	0.00	2.00	5.00	3.00	0.00	0.00	3.00	2.00	0.00	0.00	1.00	6.00
Sc	7.00	7.00	5.00	6.00	7.00	1.00	9.00	0.00	9.00	10.00	6.00	9.00
Se	0.00	0.20	0.00	0.20	0.00	0.00	0.00	0.20	0.20	0.20	0.20	0.30
Sn	10.00	12.00	29.00	15.00	9.00	4.00	11.00	4.00	11.00	8.00	9.00	5.00
Sr	10.00	35.00	79.00	26.00	23.00	8.00	17.00	5.00	18.00	14.00	15.00	18.00
Th	43.00	41.00	51.00	50.00	40.00	13.00	38.00	7.00	40.00	42.00	34.00	43.00
TiO ₂	0.19	0.44	0.24	0.32	0.31	0.13	0.31	0.16	0.30	0.37	0.37	0.45
U	5.00	11.00	7.00	10.00	15.00	3.00	7.00	3.00	7.00	8.00	8.00	6.00
V	14.00	26.00	21.00	25.00	23.00	13.00	16.00	9.00	24.00	25.00	19.00	31.00
W	4.00	8.00	35.00	10.00	6.00	5.00	9.00	0.00	7.00	7.00	4.00	3.00
Y	57.00	59.00	997.00	76.00	86.00	24.00	63.00	20.00	61.00	60.00	50.00	33.00
Zn	38.00	214.00	462.00	132.00	105.00	45.00	74.00	23.00	71.00	53.00	60.00	67.00
Zr	281.00	563.00	158.00	275.00	235.00	130.00	255.00	260.00	257.00	263.00	422.00	385.00

Sample	HK2055	HK2056	HK2057	HK2058	HK2059	HK2060	HK2061	HK2062	HK2063	HK2064	HK2065	HK2066
Ag	0.40	0.50	0.60	0.30	0.40	0.50	0.00	0.50	0.00	0.20	0.00	0.00
As	11.00	5.00	10.00	8.00	20.00	13.00	4.00	12.00	19.00	15.00	16.00	21.00
Ba	67.00	44.00	149.00	101.00	117.00	73.00	0.00	108.00	104.00	308.00	245.00	234.00
Bi	1.00	3.00	2.00	3.00	13.00	5.00	4.00	3.00	4.00	4.00	0.00	4.00
CaO	0.40	0.21	0.58	0.27	0.32	0.25	0.19	0.30	0.40	0.40	0.46	0.43
Cd	0.20	0.00	0.30	0.20	0.30	0.20	0.00	0.30	0.30	1.20	0.90	0.80
Ce	210.00	136.00	246.00	293.00	148.00	181.00	33.00	210.00	153.00	171.00	171.00	207.00
Co	0.00	0.00	7.00	4.00	8.00	5.00	4.00	8.00	5.00	9.00	5.00	6.00
Cr	25.00	48.00	92.00	34.00	91.00	71.00	13.00	51.00	32.00	159.00	230.00	35.00
Cs	16.00	10.00	7.00	10.00	12.00	12.00	8.00	5.00	3.00	13.00	9.00	7.00
Cu	0.30	0.10	0.40	0.30	10.80	0.20	0.00	1.10	6.30	9.40	8.90	12.40
Fe ₂ O ₃	3.38	2.14	2.92	2.77	3.37	2.72	1.64	2.88	2.88	4.46	3.70	3.83
Ga	17.00	14.00	10.00	15.00	15.00	15.00	2.00	16.00	16.00	21.00	16.00	19.00
Ge	0.00	3.00	2.00	1.00	2.00	0.00	2.00	2.00	1.00	2.00	2.00	2.00
Hg	0.70	0.60	0.00	0.00	0.00	0.00	0.90	0.00	0.40	0.70	0.00	0.00
La	33.00	34.00	58.00	66.00	61.00	60.00	4.00	51.00	40.00	51.00	71.00	67.00
MnO	0.12	0.04	0.20	0.19	0.12	0.08	0.04	0.25	0.10	0.15	0.11	0.14
Mo	2.40	2.70	2.10	2.60	4.10	5.90	3.50	5.00	2.80	4.00	3.90	4.00
Nb	50.00	51.00	48.00	53.00	42.00	46.00	12.00	47.00	44.00	36.00	41.00	48.00
Ni	7.00	8.00	9.00	9.00	14.00	11.00	0.00	9.00	12.00	20.00	14.00	14.00
P ₂ O ₅	0.05	0.04	0.10	0.06	0.11	0.06	0.02	0.07	0.06	0.13	0.12	0.11
Pb	45.00	36.00	76.00	58.00	78.00	71.00	16.00	94.00	72.00	85.00	76.00	102.00
Rb	117.00	126.00	101.00	71.00	132.00	93.00	31.00	71.00	139.00	190.00	152.00	150.00
Sb	0.00	4.00	0.00	0.00	0.00	0.00	2.00	8.00	4.00	3.00	2.00	4.00
Sc	13.00	11.00	7.00	7.00	8.00	10.00	2.00	9.00	7.00	10.00	12.00	9.00
Se	0.20	0.00	0.20	0.20	0.20	0.00	0.00	0.00	0.20	0.30	0.30	0.20
Sn	10.00	9.00	23.00	41.00	23.00	13.00	3.00	8.00	17.00	19.00	26.00	28.00
Sr	19.00	14.00	24.00	19.00	23.00	16.00	5.00	21.00	23.00	74.00	57.00	51.00
Th	39.00	31.00	33.00	31.00	38.00	39.00	9.00	37.00	42.00	46.00	34.00	47.00
TiO ₂	0.46	0.33	0.43	0.44	0.37	0.34	0.12	0.37	0.33	0.34	0.39	0.40
U	5.00	3.00	6.00	8.00	6.00	10.00	2.00	10.00	6.00	7.00	7.00	10.00
V	27.00	22.00	24.00	26.00	27.00	23.00	14.00	23.00	24.00	34.00	34.00	29.00
W	6.00	6.00	7.00	3.00	21.00	9.00	4.00	6.00	6.00	6.00	9.00	6.00
Y	37.00	44.00	46.00	51.00	54.00	63.00	16.00	51.00	56.00	46.00	57.00	57.00
Zn	77.00	48.00	130.00	72.00	110.00	54.00	21.00	79.00	113.00	112.00	116.00	139.00
Zr	271.00	342.00	372.00	365.00	346.00	298.00	126.00	290.00	246.00	309.00	425.00	407.00

Sample	HK2067	HK2068	HK2069	HK2070	HK2071	HK2072	HK2073	HK2074	HK2075	HK2076	HK2077	HK2078
Ag	0.00	0.40	1.10	1.40	0.00	0.40	0.00	0.30	0.00	0.20	0.00	0.20
As	13.00	13.00	25.00	0.00	13.00	0.00	7.00	13.00	5.00	12.00	19.00	6.00
Ba	165.00	109.00	27.00	0.00	68.00	0.00	0.00	0.00	98.00	108.00	125.00	51.00
Bi	3.00	2.00	58.00	208.00	22.00	55.00	12.00	25.00	0.00	2.00	4.00	2.00
CaO	0.31	0.24	0.27	0.17	0.33	0.19	0.17	0.18	0.25	0.33	0.28	0.20
Cd	0.80	0.30	0.20	0.00	0.30	0.00	0.00	0.00	0.40	0.40	0.20	0.00
Ce	145.00	118.00	136.00	312.00	104.00	55.00	30.00	69.00	83.00	104.00	132.00	44.00
Co	6.00	3.00	6.00	0.00	3.00	0.00	0.00	0.00	4.00	0.00	6.00	4.00
Cr	40.00	14.00	15.00	11.00	24.00	8.00	13.00	23.00	13.00	34.00	29.00	177.00
Cs	0.00	11.00	6.00	8.00	13.00	8.00	6.00	11.00	6.00	5.00	16.00	9.00
Cu	4.30	6.30	13.60	4.90	5.90	0.30	0.00	0.00	1.10	2.10	7.70	0.70
Fe ₂ O ₃	2.99	3.16	3.62	0.97	3.55	0.92	0.54	0.74	1.55	2.44	3.34	1.70
Ga	17.00	7.00	30.00	0.00	21.00	0.00	0.00	0.00	7.00	13.00	18.00	2.00
Ge	2.00	2.00	2.00	2.00	2.00	0.00	2.00	1.00	2.00	1.00	1.00	1.00
Hg	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
La	47.00	41.00	76.00	139.00	35.00	22.00	9.00	22.00	30.00	29.00	39.00	12.00
MnO	0.11	0.07	0.15	0.10	0.09	0.04	0.01	0.03	0.06	0.05	0.05	0.05
Mo	3.00	3.80	8.30	1.80	6.80	4.30	3.20	3.30	4.20	5.10	4.60	3.10
Nb	45.00	35.00	78.00	170.00	54.00	45.00	23.00	40.00	31.00	41.00	52.00	17.00
Ni	12.00	9.00	29.00	3.00	14.00	3.00	0.00	4.00	5.00	9.00	9.00	0.00
P ₂ O ₅	0.06	0.03	0.04	0.03	0.05	0.01	0.00	0.00	0.04	0.06	0.06	0.02
Pb	51.00	58.00	179.00	222.00	76.00	44.00	20.00	39.00	37.00	53.00	116.00	27.00
Rb	168.00	143.00	344.00	73.00	266.00	165.00	46.00	50.00	155.00	200.00	113.00	97.00
Sb	4.00	0.00	0.00	0.00	5.00	0.00	2.00	0.00	0.00	0.00	3.00	1.00
Sc	8.00	9.00	10.00	4.00	8.00	5.00	2.00	3.00	5.00	4.00	10.00	3.00
Se	0.20	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.30	0.00
Sn	16.00	18.00	65.00	1438.00	40.00	173.00	19.00	61.00	31.00	7.00	13.00	6.00
Sr	49.00	22.00	16.00	5.00	21.00	7.00	3.00	2.00	27.00	30.00	19.00	12.00
Th	41.00	38.00	91.00	486.00	59.00	102.00	16.00	42.00	25.00	44.00	49.00	12.00
TiO ₂	0.30	0.23	0.19	0.04	0.27	0.05	0.04	0.07	0.21	0.27	0.47	0.12
U	7.00	7.00	12.00	29.00	7.00	9.00	2.00	6.00	3.00	6.00	7.00	2.00
V	28.00	18.00	12.00	6.00	26.00	5.00	8.00	8.00	19.00	21.00	35.00	11.00
W	9.00	14.00	29.00	1317.00	15.00	93.00	10.00	29.00	5.00	3.00	8.00	4.00
Y	56.00	84.00	190.00	63.00	56.00	31.00	39.00	78.00	43.00	37.00	58.00	19.00
Zn	67.00	49.00	106.00	19.00	117.00	23.00	18.00	22.00	51.00	94.00	66.00	32.00
Zr	281.00	505.00	227.00	101.00	216.00	100.00	109.00	183.00	326.00	219.00	424.00	108.00

Sample	HK2079	HK2080	HK2081	HK2082	HK2083	HK2084	HK2085	HK2086	HK2087	HK2088	HK2089	HK2090
Ag	0.20	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.20	0.00
As	8.00	22.00	20.00	33.00	10.00	13.00	4.00	11.00	13.00	1.00	4.00	20.00
Ba	53.00	315.00	331.00	321.00	269.00	260.00	0.00	19.00	39.00	0.00	0.00	80.00
Bi	4.00	2.00	5.00	5.00	3.00	5.00	2.00	3.00	4.00	6.00	4.00	4.00
CaO	0.20	0.37	0.34	0.36	0.31	0.36	0.18	0.28	0.33	0.18	0.19	0.32
Cd	0.00	0.80	0.80	0.90	0.50	0.60	0.00	0.00	0.20	0.00	0.00	0.20
Ce	51.00	153.00	154.00	131.00	130.00	211.00	23.00	75.00	86.00	42.00	104.00	194.00
Co	0.00	4.00	5.00	4.00	6.00	5.00	3.00	0.00	0.00	0.00	0.00	7.00
Cr	16.00	42.00	31.00	12.00	37.00	58.00	217.00	38.00	54.00	7.00	11.00	23.00
Cs	7.00	3.00	7.00	3.00	15.00	9.00	10.00	11.00	8.00	8.00	3.00	1.00
Cu	0.10	6.40	6.80	4.00	0.20	1.70	0.20	9.80	21.60	0.20	2.40	15.30
Fe ₂ O ₃	1.70	3.50	3.44	3.22	3.32	4.35	0.61	2.43	2.50	0.22	2.19	4.16
Ga	0.00	12.00	13.00	13.00	22.00	26.00	0.00	28.00	29.00	0.00	2.00	35.00
Ge	0.00	0.00	1.00	0.00	0.00	0.00	0.00	2.00	2.00	3.00	2.00	3.00
Hg	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
La	12.00	62.00	68.00	52.00	44.00	53.00	6.00	21.00	21.00	10.00	39.00	42.00
MnO	0.05	0.17	0.17	0.16	0.16	0.23	0.02	0.11	0.15	0.02	0.04	0.10
Mo	2.90	5.50	5.10	4.40	4.60	6.60	2.90	4.60	4.20	3.60	4.60	4.20
Nb	18.00	35.00	36.00	31.00	58.00	60.00	20.00	100.00	84.00	23.00	109.00	81.00
Ni	2.00	10.00	10.00	7.00	8.00	13.00	4.00	18.00	18.00	2.00	3.00	17.00
P ₂ O ₅	0.01	0.11	0.11	0.11	0.07	0.07	0.01	0.03	0.04	0.01	0.02	0.05
Pb	22.00	51.00	57.00	41.00	51.00	99.00	11.00	66.00	67.00	13.00	31.00	143.00
Rb	92.00	162.00	172.00	159.00	157.00	170.00	140.00	372.00	349.00	123.00	90.00	192.00
Sb	2.00	4.00	2.00	2.00	2.00	0.00	2.00	3.00	2.00	3.00	0.00	5.00
Sc	5.00	11.00	9.00	7.00	9.00	11.00	2.00	9.00	8.00	2.00	2.00	10.00
Se	0.00	0.20	0.20	0.20	0.10	0.20	0.00	0.00	0.00	0.00	0.00	0.00
Sn	8.00	14.00	17.00	10.00	14.00	14.00	6.00	13.00	11.00	4.00	11.00	14.00
Sr	10.00	49.00	52.00	56.00	36.00	38.00	3.00	13.00	16.00	3.00	5.00	17.00
Th	17.00	34.00	35.00	34.00	54.00	63.00	22.00	74.00	61.00	24.00	92.00	82.00
TiO ₂	0.14	0.40	0.40	0.43	0.36	0.47	0.02	0.16	0.19	0.01	0.08	0.28
U	3.00	5.00	8.00	6.00	7.00	10.00	2.00	15.00	21.00	13.00	12.00	10.00
V	11.00	24.00	25.00	27.00	22.00	29.00	8.00	16.00	19.00	5.00	6.00	16.00
W	0.00	6.00	9.00	3.00	5.00	10.00	20.00	18.00	10.00	8.00	7.00	6.00
Y	25.00	53.00	59.00	35.00	52.00	62.00	18.00	90.00	85.00	37.00	55.00	83.00
Zn	34.00	102.00	104.00	87.00	64.00	86.00	9.00	40.00	55.00	9.00	19.00	313.00
Zr	145.00	422.00	565.00	448.00	414.00	520.00	82.00	349.00	294.00	346.00	169.00	370.00

Sample	HK2091	HK2092	HK2093	HK2094	HK2095	HK2096	HK2097	HK2098	HK2099	HK2100	HK2101	HK2102
Ag	0.30	0.00	0.20	0.00	0.90	0.50	0.40	0.30	0.40	0.00	0.40	0.60
As	19.00	15.00	13.00	17.00	13.00	21.00	19.00	19.00	14.00	15.00	9.00	14.00
Ba	95.00	65.00	50.00	26.00	0.00	84.00	104.00	80.00	127.00	53.00	122.00	24.00
Bi	3.00	3.00	3.00	5.00	25.00	3.00	5.00	7.00	3.00	3.00	3.00	1.00
CaO	0.33	0.27	0.25	0.24	0.18	0.31	0.29	0.35	0.25	0.29	0.25	0.19
Cd	0.20	0.00	0.20	0.20	0.00	0.20	0.30	0.30	0.30	0.20	0.20	0.00
Ce	184.00	169.00	135.00	155.00	2159.00	196.00	169.00	198.00	128.00	177.00	139.00	60.00
Co	8.00	7.00	4.00	6.00	9.00	7.00	7.00	4.00	6.00	4.00	5.00	0.00
Cr	22.00	27.00	16.00	21.00	13.00	27.00	87.00	51.00	78.00	27.00	7.00	10.00
Cs	12.00	11.00	9.00	15.00	22.00	5.00	12.00	12.00	6.00	6.00	6.00	7.00
Cu	11.90	8.80	15.20	9.10	1.70	5.50	14.30	13.20	8.40	19.10	9.40	4.80
Fe ₂ O ₃	5.44	5.24	4.85	4.09	15.18	4.99	3.62	2.80	3.15	2.74	1.88	1.36
Ga	38.00	38.00	42.00	37.00	11.00	36.00	24.00	25.00	17.00	19.00	10.00	0.00
Ge	2.00	3.00	1.00	2.00	4.00	2.00	0.00	3.00	3.00	2.00	2.00	2.00
Hg	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00
La	44.00	36.00	26.00	34.00	972.00	30.00	42.00	55.00	38.00	31.00	47.00	20.00
MnO	0.11	0.09	0.09	0.08	0.09	0.18	0.08	0.12	0.14	0.04	0.16	0.05
Mo	4.10	3.90	4.20	4.00	4.70	3.60	3.40	4.40	3.10	4.70	3.80	2.90
Nb	88.00	81.00	95.00	106.00	1712.00	88.00	63.00	76.00	39.00	42.00	36.00	15.00
Ni	17.00	14.00	13.00	17.00	88.00	15.00	9.00	13.00	8.00	8.00	5.00	0.00
P ₂ O ₅	0.05	0.06	0.03	0.03	0.11	0.04	0.06	0.05	0.05	0.04	0.04	0.01
Pb	114.00	96.00	81.00	68.00	54.00	123.00	92.00	127.00	60.00	79.00	41.00	20.00
Rb	170.00	136.00	173.00	187.00	68.00	157.00	193.00	245.00	168.00	127.00	107.00	82.00
Sb	0.00	6.00	1.00	5.00	0.00	2.00	0.00	0.00	0.00	1.00	5.00	0.00
Sc	10.00	12.00	10.00	9.00	2.00	12.00	9.00	13.00	8.00	7.00	7.00	5.00
Se	0.20	0.20	0.20	0.20	0.30	0.20	0.00	0.00	0.00	0.20	0.00	0.00
Sn	8.00	18.00	12.00	13.00	149.00	13.00	15.00	13.00	6.00	14.00	7.00	5.00
Sr	17.00	14.00	15.00	16.00	3.00	18.00	21.00	24.00	22.00	15.00	15.00	8.00
Th	92.00	95.00	98.00	113.00	1000.00	77.00	74.00	83.00	43.00	51.00	37.00	9.00
TiO ₂	0.33	0.33	0.36	0.31	0.39	0.36	0.29	0.26	0.23	0.24	0.20	0.16
U	12.00	13.00	12.00	17.00	185.00	11.00	11.00	14.00	8.00	8.00	6.00	0.00
V	28.00	28.00	26.00	26.00	19.00	27.00	15.00	17.00	18.00	24.00	13.00	14.00
W	11.00	10.00	6.00	5.00	150.00	10.00	5.00	8.00	4.00	6.00	2.00	2.00
Y	94.00	73.00	63.00	84.00	876.00	68.00	63.00	94.00	51.00	53.00	56.00	29.00
Zn	81.00	65.00	52.00	44.00	99.00	65.00	66.00	61.00	71.00	59.00	49.00	57.00
Zr	380.00	449.00	332.00	609.00	1465.00	309.00	453.00	661.00	273.00	230.00	251.00	139.00

Sample	HK2103	HK2104	HK2105	HK2106	HK2107	HK2108	HK2109	HK2110	HK2111	HK2112	HK2113	HK2114
Ag	0.50	0.50	0.50	0.50	0.00	0.00	0.00	0.00	0.70	0.50	0.40	0.00
As	32.00	8.00	10.00	21.00	21.00	13.00	16.00	15.00	28.00	14.00	17.00	24.00
Ba	65.00	31.00	38.00	75.00	69.00	44.00	50.00	51.00	488.00	525.00	201.00	219.00
Bi	2.00	2.00	0.00	2.00	5.00	1.00	1.00	0.00	5.00	3.00	2.00	6.00
CaO	0.19	0.18	0.18	0.24	0.24	0.18	0.18	0.18	0.83	0.38	0.40	0.51
Cd	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00	1.40	1.00	0.90	0.80
Ce	51.00	46.00	62.00	124.00	132.00	39.00	63.00	40.00	167.00	118.00	212.00	167.00
Co	0.00	0.00	0.00	4.00	6.00	0.00	0.00	0.00	7.00	4.00	7.00	8.00
Cr	46.00	6.00	9.00	9.00	27.00	11.00	14.00	102.00	50.00	151.00	30.00	13.00
Cs	7.00	4.00	7.00	7.00	5.00	7.00	10.00	6.00	0.00	3.00	20.00	9.00
Cu	5.40	0.00	7.00	2.60	6.70	14.80	2.90	0.20	30.30	4.10	2.20	12.60
Fe ₂ O ₃	1.38	1.02	1.06	2.17	10.70	0.88	1.04	1.03	5.10	2.98	3.11	4.05
Ga	2.00	0.00	0.00	14.00	42.00	0.00	0.00	0.00	17.00	13.00	18.00	24.00
Ge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hg	0.00	0.70	0.50	0.30	0.70	1.70	1.90	0.20	1.70	1.70	2.10	1.20
La	19.00	15.00	18.00	37.00	13.00	10.00	31.00	10.00	96.00	64.00	112.00	65.00
MnO	0.05	0.03	0.04	0.10	0.06	0.04	0.07	0.04	0.32	0.08	0.12	0.30
Mo	3.10	0.70	3.70	2.80	3.40	2.70	2.30	3.00	5.10	3.40	4.20	7.10
Nb	15.00	12.00	17.00	43.00	80.00	10.00	20.00	12.00	36.00	32.00	52.00	54.00
Ni	0.00	0.00	2.00	10.00	12.00	0.00	2.00	0.00	19.00	13.00	37.00	14.00
P ₂ O ₅	0.01	0.01	0.01	0.04	0.04	0.01	0.02	0.02	0.90	0.04	0.06	0.13
Pb	17.00	18.00	14.00	53.00	57.00	8.00	8.00	10.00	159.00	59.00	74.00	129.00
Rb	134.00	97.00	111.00	177.00	73.00	83.00	94.00	89.00	246.00	276.00	339.00	260.00
Sb	2.00	0.00	0.00	3.00	2.00	2.00	7.00	2.00	2.00	4.00	1.00	7.00
Sc	6.00	1.00	4.00	7.00	15.00	5.00	2.00	6.00	8.00	8.00	5.00	9.00
Se	0.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	0.20	0.00	0.20	0.20
Sn	6.00	0.00	6.00	9.00	15.00	0.00	2.00	3.00	29.00	8.00	11.00	17.00
Sr	14.00	7.00	10.00	16.00	12.00	8.00	9.00	8.00	86.00	61.00	54.00	50.00
Th	14.00	15.00	16.00	45.00	93.00	16.00	28.00	14.00	51.00	47.00	99.00	53.00
TiO ₂	0.09	0.09	0.10	0.19	0.48	0.11	0.23	0.12	0.47	0.22	0.32	0.29
U	3.00	2.00	4.00	7.00	6.00	2.00	4.00	1.00	8.00	11.00	19.00	11.00
V	12.00	9.00	10.00	15.00	44.00	10.00	10.00	13.00	27.00	15.00	17.00	18.00
W	3.00	0.00	6.00	7.00	7.00	0.00	4.00	0.00	10.00	5.00	19.00	10.00
Y	23.00	25.00	27.00	58.00	43.00	19.00	43.00	22.00	75.00	62.00	289.00	84.00
Zn	28.00	16.00	19.00	60.00	46.00	24.00	35.00	22.00	487.00	105.00	71.00	134.00
Zr	120.00	135.00	245.00	246.00	251.00	173.00	475.00	146.00	744.00	272.00	1402.00	409.00

Sample	HK2115	HK2116	HK2117	HK2118	HK2119	HK2120	HK2121	HK2122	HK2123	HK2124	HK2125	HK2126
Ag	0.50	0.30	0.30	0.30	0.00	0.00	0.70	0.20	0.00	0.20	0.50	0.20
As	16.00	41.00	117.00	127.00	21.00	87.00	25.00	16.00	12.00	11.00	22.00	12.00
Ba	148.00	209.00	124.00	112.00	54.00	89.00	560.00	137.00	150.00	90.00	56.00	70.00
Bi	0.00	3.00	5.00	5.00	6.00	2.00	3.00	2.00	2.00	0.00	4.00	3.00
CaO	0.55	0.40	0.40	0.36	0.43	0.43	0.28	0.28	0.31	0.36	0.35	0.25
Cd	0.60	0.70	0.40	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.20	0.00
Ce	139.00	270.00	119.00	116.00	106.00	112.00	215.00	138.00	134.00	117.00	132.00	99.00
Co	3.00	6.00	0.00	3.00	0.00	0.00	15.00	0.00	3.00	3.00	6.00	6.00
Cr	126.00	14.00	62.00	247.00	11.00	10.00	67.00	77.00	22.00	14.00	14.00	39.00
Cs	3.00	10.00	4.00	10.00	4.00	9.00	9.00	7.00	3.00	8.00	1.00	7.00
Cu	13.30	21.50	3.60	3.40	3.70	6.20	0.40	0.00	0.00	0.40	16.00	3.20
Fe ₂ O ₃	3.17	4.84	2.47	2.41	1.20	2.15	5.53	3.17	2.58	1.55	4.09	5.41
Ga	19.00	26.00	16.00	16.00	10.00	12.00	22.00	20.00	16.00	8.00	35.00	31.00
Ge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hg	1.20	1.50	1.00	0.90	0.20	0.60	2.30	0.70	0.50	0.30	0.40	0.80
La	62.00	158.00	53.00	47.00	51.00	42.00	136.00	53.00	55.00	56.00	57.00	28.00
MnO	0.27	0.19	0.11	0.08	0.09	0.12	0.63	0.16	0.10	0.14	0.17	0.05
Mo	5.70	2.50	5.60	6.00	3.60	3.80	10.70	5.30	4.30	3.20	11.60	6.10
Nb	46.00	69.00	39.00	42.00	35.00	40.00	54.00	43.00	41.00	38.00	103.00	65.00
Ni	17.00	38.00	11.00	10.00	8.00	10.00	16.00	11.00	10.00	9.00	30.00	11.00
P ₂ O ₅	0.15	0.09	0.13	0.08	0.06	0.09	0.04	0.06	0.05	0.06	0.04	0.03
Pb	105.00	201.00	69.00	59.00	75.00	117.00	85.00	56.00	50.00	41.00	133.00	50.00
Rb	250.00	293.00	233.00	246.00	197.00	202.00	218.00	186.00	185.00	200.00	239.00	101.00
Sb	4.00	0.00	4.00	4.00	3.00	3.00	3.00	0.00	3.00	4.00	0.00	0.00
Sc	9.00	10.00	8.00	7.00	9.00	7.00	8.00	7.00	10.00	6.00	11.00	7.00
Se	0.00	0.20	0.20	0.00	0.00	0.00	0.20	0.20	0.00	0.00	0.00	0.40
Sn	13.00	15.00	10.00	11.00	16.00	10.00	11.00	10.00	9.00	14.00	10.00	13.00
Sr	38.00	44.00	26.00	24.00	20.00	20.00	23.00	24.00	24.00	23.00	17.00	13.00
Th	53.00	119.00	41.00	43.00	45.00	43.00	79.00	62.00	63.00	39.00	117.00	77.00
TiO ₂	0.24	0.31	0.19	0.17	0.14	0.16	0.24	0.23	0.24	0.16	0.18	0.45
U	10.00	17.00	9.00	7.00	6.00	7.00	14.00	10.00	13.00	8.00	25.00	4.00
V	15.00	18.00	18.00	14.00	11.00	11.00	18.00	18.00	15.00	12.00	13.00	38.00
W	13.00	16.00	4.00	4.00	4.00	7.00	8.00	7.00	3.00	4.00	24.00	8.00
Y	97.00	277.00	60.00	51.00	49.00	53.00	123.00	72.00	69.00	62.00	247.00	48.00
Zn	144.00	90.00	84.00	70.00	70.00	120.00	72.00	75.00	86.00	100.00	104.00	55.00
Zr	379.00	888.00	206.00	230.00	184.00	202.00	271.00	275.00	299.00	200.00	310.00	254.00

Sample	HK2127	HK2128	HK2129	HK2130	HK2131	HK2132	HK2133	HK2134	HK2135	HK2136	HK2137	HK2138
Ag	0.00	0.00	0.00	0.00	0.90	0.50	0.40	0.40	0.50	0.50	0.40	0.00
As	14.00	38.00	0.00	12.00	34.00	5.00	8.00	16.00	16.00	49.00	74.00	14.00
Ba	61.00	23.00	0.00	9.00	43.00	0.00	59.00	87.00	141.00	332.00	400.00	168.00
Bi	2.00	0.00	0.00	0.00	4.00	1.00	3.00	8.00	6.00	5.00	4.00	5.00
CaO	0.27	0.18	0.17	0.19	0.47	0.17	0.25	0.59	0.44	0.36	0.23	0.40
Cd	0.20	0.00	0.00	0.00	0.30	0.00	0.20	0.30	0.40	0.80	0.70	0.50
Ce	172.00	266.00	61.00	126.00	108.00	51.00	56.00	80.00	108.00	149.00	86.00	211.00
Co	6.00	5.00	0.00	4.00	0.00	0.00	4.00	4.00	4.00	4.00	5.00	7.00
Cr	18.00	22.00	21.00	46.00	10.00	0.00	92.00	32.00	14.00	15.00	13.00	14.00
Cs	8.00	6.00	3.00	11.00	14.00	10.00	10.00	5.00	6.00	6.00	4.00	2.00
Cu	1.80	4.40	0.00	0.20	4.80	0.00	0.20	3.10	0.00	3.90	7.70	3.50
Fe ₂ O ₃	3.72	5.27	1.85	4.31	1.49	1.48	1.90	3.42	3.30	3.27	3.99	3.48
Ga	25.00	41.00	0.00	29.00	14.00	0.00	10.00	22.00	20.00	12.00	13.00	15.00
Ge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	2.00
Hg	0.60	0.40	0.30	0.00	0.20	0.00	0.80	0.00	0.00	0.60	0.00	0.00
La	37.00	15.00	17.00	15.00	37.00	16.00	15.00	26.00	39.00	59.00	34.00	41.00
MnO	0.11	0.02	0.01	0.01	0.04	0.00	0.03	0.17	0.21	0.17	0.15	0.12
Mo	5.40	4.20	2.10	5.80	3.10	1.40	2.90	13.10	14.20	5.60	15.30	4.10
Nb	70.00	79.00	24.00	63.00	56.00	36.00	27.00	80.00	56.00	34.00	40.00	28.00
Ni	14.00	14.00	0.00	7.00	10.00	0.00	7.00	20.00	16.00	9.00	6.00	2.00
P ₂ O ₅	0.05	0.03	0.00	0.02	0.07	0.02	0.05	0.07	0.07	0.10	0.05	0.08
Pb	93.00	242.00	34.00	61.00	857.00	2.00	37.00	85.00	72.00	62.00	55.00	71.00
Rb	126.00	114.00	11.00	48.00	244.00	36.00	208.00	282.00	253.00	155.00	189.00	87.00
Sb	5.00	2.00	0.00	4.00	91.00	3.00	1.00	3.00	0.00	2.00	2.00	0.00
Sc	8.00	12.00	3.00	8.00	4.00	2.00	8.00	10.00	9.00	9.00	6.00	14.00
Se	0.20	0.20	0.00	0.00	0.00	0.00	0.00	0.20	0.20	0.20	0.10	0.20
Sn	29.00	10.00	5.00	8.00	1256.00	6.00	9.00	12.00	14.00	10.00	7.00	14.00
Sr	15.00	9.00	0.00	6.00	21.00	3.00	16.00	21.00	27.00	48.00	44.00	33.00
Th	82.00	131.00	38.00	73.00	56.00	35.00	30.00	64.00	49.00	35.00	29.00	22.00
TiO ₂	0.33	0.26	0.10	0.29	0.20	0.07	0.19	0.24	0.31	0.38	0.50	0.54
U	10.00	6.00	1.00	5.00	7.00	5.00	6.00	21.00	14.00	5.00	3.00	5.00
V	20.00	25.00	9.00	21.00	10.00	7.00	17.00	18.00	22.00	26.00	22.00	29.00
W	10.00	9.00	2.00	3.00	10.00	5.00	4.00	13.00	6.00	10.00	5.00	2.00
Y	73.00	25.00	21.00	23.00	49.00	26.00	17.00	101.00	68.00	48.00	34.00	20.00
Zn	47.00	28.00	11.00	30.00	65.00	11.00	28.00	83.00	65.00	114.00	116.00	97.00
Zr	328.00	248.00	143.00	241.00	254.00	112.00	150.00	267.00	179.00	376.00	346.00	774.00

Sample	HK2139	HK2140	HK2141	HK2142	HK2143	HK2144	HK2145	HK2146	HK2147	HK2148	HK2149	HK2150
Ag	0.60	0.60	0.00	0.50	0.80	0.30	0.00	0.30	0.30	0.30	0.00	1.00
As	24.00	12.00	7.00	20.00	19.00	12.00	14.00	3.00	14.00	14.00	27.00	164.00
Ba	140.00	24.00	9.00	32.00	73.00	55.00	15.00	0.00	86.00	49.00	13.00	155.00
Bi	6.00	3.00	0.00	0.00	3.00	2.00	2.00	2.00	4.00	3.00	4.00	3.00
CaO	0.40	0.25	0.23	0.32	0.55	0.37	0.20	0.17	0.48	0.52	0.22	0.79
Cd	0.60	0.00	0.00	0.00	0.30	0.20	0.00	0.00	0.40	0.30	0.00	0.30
Ce	187.00	144.00	88.00	184.00	131.00	109.00	150.00	119.00	93.00	150.00	226.00	172.00
Co	0.00	10.00	0.00	11.00	9.00	6.00	0.00	0.00	5.00	6.00	14.00	0.00
Cr	76.00	20.00	74.00	97.00	20.00	51.00	18.00	9.00	43.00	25.00	10.00	91.00
Cs	6.00	6.00	7.00	11.00	0.00	4.00	4.00	8.00	9.00	9.00	18.00	2.00
Cu	12.70	0.40	0.00	4.50	21.60	129.10	0.00	0.00	8.40	0.40	2.00	44.60
Fe ₂ O ₃	3.50	6.04	1.60	2.90	3.85	3.40	6.06	0.82	2.80	3.33	3.82	2.84
Ga	24.00	25.00	12.00	28.00	25.00	25.00	45.00	0.00	24.00	28.00	41.00	14.00
Ge	2.00	2.00	0.00	2.00	3.00	2.00	1.00	1.00	2.00	1.00	2.00	0.00
Hg	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
La	76.00	79.00	26.00	64.00	65.00	48.00	21.00	54.00	27.00	34.00	12.00	89.00
MnO	0.13	0.13	0.05	0.17	0.28	0.16	0.02	0.00	0.21	0.22	0.09	0.07
Mo	6.10	4.60	2.50	5.80	10.40	4.20	8.20	2.30	2.30	2.10	2.00	4.90
Nb	58.00	60.00	41.00	70.00	74.00	57.00	79.00	6.00	73.00	77.00	97.00	38.00
Ni	16.00	21.00	10.00	23.00	37.00	18.00	10.00	2.00	24.00	16.00	11.00	12.00
P ₂ O ₅	0.11	0.03	0.03	0.04	0.14	0.23	0.02	0.02	0.08	0.06	0.04	0.28
Pb	142.00	72.00	45.00	175.00	155.00	125.00	50.00	6.00	105.00	127.00	196.00	120.00
Rb	269.00	234.00	167.00	282.00	252.00	148.00	29.00	0.00	355.00	237.00	124.00	144.00
Sb	2.00	3.00	3.00	4.00	3.00	0.00	6.00	0.00	0.00	2.00	0.00	2.00
Sc	8.00	10.00	6.00	7.00	8.00	7.00	7.00	3.00	8.00	12.00	13.00	5.00
Se	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.20	0.20	0.00
Sn	13.00	12.00	9.00	14.00	13.00	31.00	7.00	0.00	16.00	18.00	17.00	23.00
Sr	39.00	13.00	11.00	14.00	24.00	15.00	6.00	3.00	26.00	20.00	11.00	24.00
Th	67.00	76.00	44.00	80.00	71.00	60.00	95.00	48.00	79.00	82.00	102.00	40.00
TiO ₂	0.26	0.16	0.16	0.15	0.17	0.23	0.43	0.06	0.21	0.22	0.25	0.27
U	10.00	17.00	5.00	11.00	22.00	11.00	6.00	4.00	21.00	10.00	13.00	7.00
V	15.00	13.00	13.00	16.00	17.00	17.00	29.00	9.00	15.00	17.00	19.00	13.00
W	5.00	11.00	5.00	13.00	25.00	10.00	8.00	2.00	13.00	5.00	6.00	6.00
Y	107.00	164.00	48.00	141.00	260.00	81.00	54.00	56.00	96.00	76.00	65.00	66.00
Zn	109.00	45.00	27.00	87.00	258.00	155.00	36.00	11.00	107.00	79.00	56.00	259.00
Zr	478.00	197.00	267.00	233.00	161.00	255.00	304.00	116.00	344.00	326.00	307.00	239.00

Sample	HK2151	HK2152	HK2153	HK2154	HK2155	HK2156	HK2157	HK2158	HK2159	HK2160	HK2161	HK2162
Ag	0.70	0.20	0.60	0.70	0.20	0.60	0.00	0.20	0.50	0.30	0.20	0.50
As	21.00	45.00	20.00	10.00	77.00	69.00	22.00	14.00	46.00	46.00	27.00	41.00
Ba	63.00	65.00	67.00	63.00	89.00	93.00	63.00	131.00	178.00	157.00	132.00	173.00
Bi	7.00	9.00	0.00	2.00	3.00	1.00	3.00	1.00	3.00	1.00	0.00	2.00
CaO	0.32	0.30	0.29	0.32	0.69	0.55	0.29	0.33	0.53	0.46	0.45	0.50
Cd	0.20	0.20	0.20	0.30	0.40	0.30	0.00	0.30	0.30	0.20	0.00	0.20
Ce	200.00	154.00	144.00	146.00	131.00	165.00	149.00	135.00	173.00	170.00	159.00	167.00
Co	3.00	5.00	0.00	5.00	0.00	6.00	0.00	3.00	6.00	5.00	3.00	5.00
Cr	8.00	12.00	112.00	15.00	118.00	122.00	21.00	69.00	25.00	95.00	151.00	86.00
Cs	10.00	5.00	8.00	4.00	7.00	7.00	5.00	5.00	0.00	9.00	12.00	1.00
Cu	6.30	5.30	2.50	2.70	9.40	22.40	0.20	3.90	15.70	11.60	7.60	13.60
Fe ₂ O ₃	1.37	1.75	1.97	2.73	2.51	2.51	2.86	2.17	3.14	3.04	2.60	2.80
Ga	6.00	8.00	12.00	20.00	14.00	18.00	17.00	17.00	19.00	18.00	19.00	16.00
Ge	0.00	0.00	1.00	1.00	0.00	0.00	0.00	2.00	0.00	1.00	2.00	2.00
Hg	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
La	156.00	92.00	57.00	72.00	62.00	56.00	21.00	36.00	57.00	65.00	45.00	59.00
MnO	0.20	0.23	0.10	0.16	0.06	0.06	0.03	0.11	0.12	0.11	0.07	0.09
Mo	2.80	4.20	2.70	1.80	4.40	4.30	3.50	4.70	4.80	4.30	3.70	3.80
Nb	32.00	34.00	32.00	43.00	36.00	43.00	45.00	37.00	43.00	42.00	40.00	42.00
Ni	13.00	14.00	11.00	16.00	12.00	13.00	9.00	11.00	13.00	16.00	14.00	13.00
P ₂ O ₅	0.06	0.08	0.04	0.05	0.09	0.16	0.04	0.03	0.16	0.11	0.10	0.14
Pb	79.00	127.00	47.00	56.00	90.00	187.00	46.00	74.00	105.00	110.00	74.00	109.00
Rb	118.00	144.00	197.00	222.00	127.00	141.00	69.00	173.00	158.00	153.00	134.00	149.00
Sb	4.00	0.00	1.00	0.00	2.00	1.00	4.00	6.00	0.00	1.00	0.00	0.00
Sc	6.00	6.00	6.00	8.00	8.00	7.00	6.00	8.00	9.00	10.00	5.00	8.00
Se	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.00	0.20	0.20	0.20	0.20
Sn	10.00	7.00	0.00	3.00	20.00	19.00	14.00	13.00	68.00	21.00	11.00	17.00
Sr	18.00	16.00	17.00	23.00	26.00	21.00	12.00	20.00	21.00	19.00	13.00	19.00
Th	27.00	30.00	28.00	47.00	34.00	44.00	44.00	42.00	51.00	41.00	48.00	45.00
TiO ₂	0.16	0.20	0.15	0.22	0.21	0.24	0.31	0.21	0.26	0.27	0.22	0.28
U	10.00	7.00	5.00	11.00	7.00	8.00	7.00	6.00	11.00	9.00	5.00	8.00
V	16.00	17.00	13.00	16.00	15.00	13.00	22.00	14.00	20.00	17.00	18.00	21.00
W	4.00	8.00	6.00	6.00	7.00	6.00	4.00	5.00	10.00	9.00	6.00	9.00
Y	73.00	60.00	49.00	94.00	43.00	56.00	32.00	42.00	59.00	60.00	57.00	62.00
Zn	157.00	127.00	55.00	60.00	97.00	141.00	50.00	64.00	162.00	120.00	104.00	161.00
Zr	275.00	217.00	204.00	261.00	322.00	378.00	719.00	367.00	322.00	369.00	362.00	438.00

Sample	HK2163	HK2164	HK2165	HK2166	HK2167	HK2168	HK2169	HK2170	HK2171	HK2172	HK2173	HK2174
Ag	0.00	0.40	0.20	0.20	0.20	0.00	0.00	0.00	0.30	0.30	6.80	2.90
As	32.00	8.00	10.00	29.00	26.00	16.00	32.00	17.00	13.00	7.00	10.00	14.00
Ba	147.00	226.00	145.00	180.00	222.00	232.00	210.00	195.00	209.00	169.00	81.00	90.00
Bi	4.00	0.00	4.00	3.00	1.00	2.00	2.00	0.00	5.00	6.00	3.00	2.00
CaO	0.47	0.32	0.40	0.43	0.47	0.34	0.44	0.48	0.42	0.45	0.44	0.57
Cd	0.20	0.20	0.20	0.40	0.40	0.40	0.40	0.40	0.50	0.40	0.30	0.40
Ce	147.00	199.00	162.00	172.00	140.00	128.00	168.00	136.00	147.00	105.00	656.00	373.00
Co	3.00	5.00	4.00	4.00	4.00	4.00	7.00	5.00	4.00	4.00	4.00	6.00
Cr	98.00	86.00	35.00	116.00	310.00	101.00	345.00	28.00	61.00	150.00	30.00	85.00
Cs	6.00	4.00	7.00	7.00	6.00	5.00	2.00	7.00	4.00	9.00	16.00	3.00
Cu	9.90	2.50	5.20	13.70	12.60	8.10	19.70	8.90	3.00	5.50	0.00	8.70
Fe ₂ O ₃	2.94	2.55	2.74	3.19	3.03	2.70	3.11	2.69	2.92	2.20	2.50	2.91
Ga	21.00	22.00	14.00	17.00	16.00	12.00	18.00	18.00	17.00	12.00	13.00	16.00
Ge	1.00	2.00	1.00	2.00	0.00	3.00	3.00	2.00	2.00	2.00	2.00	0.00
Hg	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.10	1.70
La	39.00	122.00	46.00	60.00	45.00	49.00	50.00	58.00	54.00	39.00	2151.00	1348.00
MnO	0.08	0.04	0.08	0.09	0.08	0.05	0.07	0.13	0.14	0.09	0.11	0.11
Mo	4.30	4.40	3.20	4.40	4.30	3.80	4.80	3.10	3.40	3.90	0.70	4.10
Nb	42.00	64.00	37.00	44.00	41.00	34.00	41.00	43.00	46.00	38.00	67.00	62.00
Ni	16.00	19.00	13.00	17.00	16.00	11.00	18.00	14.00	15.00	11.00	124.00	91.00
P ₂ O ₅	0.10	0.04	0.06	0.10	0.10	0.08	0.07	0.08	0.07	0.06	0.02	0.06
Pb	93.00	63.00	70.00	139.00	101.00	73.00	160.00	85.00	72.00	50.00	81.00	100.00
Rb	146.00	337.00	130.00	153.00	163.00	123.00	152.00	160.00	166.00	137.00	145.00	178.00
Sb	5.00	0.00	0.00	0.00	3.00	4.00	3.00	3.00	3.00	2.00	3.00	4.00
Sc	8.00	11.00	8.00	8.00	7.00	7.00	7.00	8.00	4.00	8.00	0.00	0.00
Se	0.20	0.00	0.20	0.20	0.20	0.20	0.30	0.20	0.20	0.20	0.00	0.00
Sn	12.00	17.00	14.00	28.00	37.00	23.00	52.00	17.00	10.00	15.00	9.00	15.00
Sr	17.00	18.00	18.00	27.00	30.00	29.00	28.00	29.00	31.00	26.00	20.00	26.00
Th	45.00	51.00	37.00	41.00	41.00	31.00	42.00	42.00	39.00	32.00	41.00	44.00
TiO ₂	0.22	0.24	0.34	0.32	0.31	0.38	0.34	0.30	0.32	0.30	0.24	0.26
U	6.00	11.00	9.00	6.00	8.00	9.00	8.00	7.00	9.00	5.00	9.00	10.00
V	17.00	16.00	24.00	20.00	25.00	29.00	32.00	24.00	28.00	19.00	0.00	7.00
W	5.00	3.00	9.00	11.00	11.00	6.00	8.00	7.00	6.00	7.00	68.00	38.00
Y	47.00	88.00	44.00	56.00	53.00	47.00	57.00	57.00	50.00	40.00	1126.00	811.00
Zn	135.00	81.00	102.00	126.00	117.00	74.00	124.00	122.00	96.00	67.00	129.00	200.00
Zr	276.00	337.00	449.00	454.00	574.00	740.00	678.00	452.00	397.00	393.00	394.00	355.00

Sample	HK2175	HK2176	HK2177	HK2178	HK2179	HK2180	HK2181	HK2182	HK2183	HK2184	HK2185	HK2186
Ag	0.30	0.70	0.80	0.80	1.00	0.80	0.20	0.80	0.80	0.60	0.00	0.60
As	10.00	7.00	4.00	10.00	23.00	19.00	10.00	11.00	17.00	15.00	11.00	13.00
Ba	62.00	96.00	456.00	118.00	127.00	54.00	114.00	121.00	114.00	94.00	101.00	105.00
Bi	0.00	0.00	1.00	4.00	2.00	1.00	2.00	2.00	2.00	0.00	0.00	1.00
CaO	0.39	0.35	0.58	0.60	0.72	0.47	0.37	0.38	0.54	0.37	0.40	0.42
Cd	0.00	0.00	1.80	0.50	0.40	0.00	0.20	0.20	0.20	0.20	0.20	0.30
Ce	99.00	194.00	124.00	124.00	238.00	190.00	150.00	167.00	161.00	99.00	112.00	123.00
Co	4.00	3.00	5.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cr	11.00	42.00	20.00	130.00	90.00	133.00	124.00	81.00	40.00	7.00	14.00	21.00
Cs	1.00	5.00	13.00	3.00	4.00	11.00	8.00	10.00	0.00	7.00	7.00	11.00
Cu	1.40	6.00	14.00	3.00	25.00	1.40	1.20	5.30	6.50	0.50	0.20	0.50
Fe ₂ O ₃	2.12	2.16	2.79	2.92	3.19	2.03	1.90	1.76	2.45	1.48	1.52	1.48
Ga	16.00	17.00	16.00	23.00	18.00	13.00	12.00	11.00	15.00	11.00	13.00	12.00
Ge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hg	0.40	0.50	2.00	1.30	1.40	0.30	0.00	0.00	0.50	0.50	0.50	0.90
La	23.00	59.00	63.00	59.00	57.00	51.00	52.00	57.00	73.00	44.00	54.00	64.00
MnO	0.06	0.11	0.05	0.20	0.07	0.10	0.16	0.14	0.12	0.12	0.14	0.12
Mo	3.60	1.90	2.90	2.10	4.00	6.10	2.80	2.90	3.70	2.40	2.20	1.80
Nb	48.00	46.00	33.00	57.00	43.00	40.00	40.00	35.00	38.00	41.00	37.00	42.00
Ni	8.00	12.00	11.00	25.00	11.00	14.00	13.00	14.00	14.00	14.00	13.00	16.00
P ₂ O ₅	0.06	0.04	0.05	0.05	0.29	0.05	0.05	0.10	0.08	0.04	0.04	0.04
Pb	62.00	72.00	47.00	71.00	133.00	53.00	34.00	76.00	48.00	33.00	39.00	41.00
Rb	122.00	177.00	213.00	303.00	128.00	138.00	134.00	133.00	152.00	190.00	183.00	212.00
Sb	4.00	0.00	1.00	2.00	3.00	3.00	2.00	2.00	4.00	0.00	0.00	0.00
Sc	10.00	3.00	9.00	10.00	11.00	5.00	1.00	6.00	5.00	2.00	7.00	6.00
Se	0.00	0.00	0.20	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sn	8.00	15.00	6.00	18.00	33.00	12.00	7.00	12.00	11.00	6.00	14.00	9.00
Sr	11.00	14.00	106.00	33.00	29.00	14.00	16.00	16.00	18.00	18.00	18.00	21.00
Th	44.00	42.00	29.00	70.00	52.00	42.00	35.00	31.00	37.00	28.00	37.00	30.00
TiO ₂	0.23	0.20	0.47	0.25	0.27	0.18	0.21	0.19	0.21	0.15	0.16	0.15
U	5.00	7.00	8.00	11.00	6.00	5.00	10.00	8.00	5.00	9.00	10.00	10.00
V	14.00	12.00	29.00	21.00	15.00	15.00	15.00	16.00	13.00	13.00	12.00	12.00
W	4.00	5.00	5.00	11.00	6.00	8.00	6.00	6.00	5.00	5.00	5.00	3.00
Y	31.00	60.00	38.00	92.00	41.00	53.00	49.00	46.00	57.00	47.00	49.00	49.00
Zn	57.00	61.00	60.00	76.00	145.00	53.00	46.00	65.00	112.00	47.00	48.00	52.00
Zr	302.00	233.00	377.00	340.00	785.00	244.00	259.00	195.00	216.00	236.00	235.00	222.00

Sample	HK2187	HK2188	HK2189	HK2190	HK2191	HK2192	HK2193	HK2194	HK2195	HK2196	HK2197	HK2198
Ag	0.70	0.20	0.90	0.80	0.80	0.80	0.70	0.80	1.10	0.00	0.20	0.40
As	29.00	37.00	38.00	27.00	36.00	37.00	15.00	18.00	273.00	19.00	17.00	23.00
Ba	233.00	246.00	189.00	190.00	226.00	199.00	76.00	72.00	113.00	100.00	118.00	136.00
Bi	1.00	2.00	0.00	3.00	1.00	4.00	2.00	6.00	3.00	2.00	3.00	0.00
CaO	0.44	0.37	0.35	0.43	0.52	0.42	0.32	0.30	0.47	0.38	0.44	0.54
Cd	0.40	0.30	0.30	0.30	0.40	0.30	0.00	0.00	0.30	0.20	0.20	0.30
Ce	175.00	124.00	141.00	114.00	144.00	106.00	99.00	93.00	94.00	98.00	120.00	136.00
Co	5.00	6.00	5.00	6.00	8.00	6.00	0.00	5.00	4.00	0.00	6.00	5.00
Cr	107.00	187.00	235.00	107.00	217.00	31.00	9.00	16.00	121.00	28.00	20.00	111.00
Cs	14.00	12.00	11.00	3.00	3.00	4.00	5.00	6.00	1.00	6.00	6.00	3.00
Cu	8.50	3.60	6.50	5.20	9.20	5.00	2.20	2.40	122.30	4.40	2.30	7.10
Fe ₂ O ₃	3.27	3.13	2.86	2.64	3.08	2.67	2.62	2.72	6.35	1.89	3.17	3.03
Ga	16.00	15.00	12.00	12.00	16.00	11.00	18.00	18.00	4.00	8.00	14.00	14.00
Ge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hg	0.00	0.60	0.70	1.00	0.50	0.50	0.90	0.00	3.40	0.60	0.00	0.00
La	76.00	46.00	58.00	45.00	69.00	46.00	21.00	24.00	18.00	24.00	28.00	47.00
MnO	0.17	0.11	0.08	0.06	0.11	0.09	0.10	0.12	0.05	0.09	0.13	0.20
Mo	4.10	4.90	4.70	4.30	4.60	4.00	4.70	4.90	5.20	3.40	3.50	4.30
Nb	42.00	33.00	36.00	33.00	34.00	28.00	50.00	51.00	17.00	42.00	47.00	46.00
Ni	17.00	13.00	13.00	12.00	16.00	11.00	13.00	15.00	15.00	10.00	12.00	14.00
P ₂ O ₅	0.08	0.07	0.08	0.08	0.10	0.07	0.03	0.04	0.12	0.17	0.25	0.34
Pb	129.00	69.00	82.00	66.00	98.00	63.00	65.00	63.00	763.00	61.00	75.00	72.00
Rb	138.00	165.00	173.00	147.00	167.00	164.00	212.00	199.00	77.00	114.00	95.00	117.00
Sb	7.00	0.00	1.00	4.00	4.00	0.00	3.00	0.00	44.00	4.00	2.00	2.00
Sc	4.00	8.00	8.00	8.00	4.00	6.00	8.00	10.00	2.00	6.00	8.00	10.00
Se	0.20	0.20	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.20
Sn	20.00	16.00	16.00	12.00	17.00	11.00	12.00	17.00	423.00	12.00	6.00	10.00
Sr	29.00	21.00	25.00	25.00	30.00	25.00	12.00	12.00	24.00	16.00	16.00	22.00
Th	46.00	34.00	44.00	36.00	43.00	43.00	49.00	50.00	21.00	39.00	41.00	50.00
TiO ₂	0.36	0.30	0.32	0.29	0.31	0.26	0.15	0.17	0.14	0.17	0.24	0.25
U	8.00	6.00	10.00	5.00	8.00	6.00	7.00	6.00	0.00	4.00	5.00	5.00
V	23.00	21.00	22.00	23.00	25.00	19.00	13.00	14.00	16.00	16.00	16.00	18.00
W	9.00	11.00	12.00	7.00	7.00	5.00	4.00	8.00	3.00	5.00	4.00	7.00
Y	59.00	39.00	51.00	39.00	51.00	39.00	32.00	31.00	17.00	40.00	44.00	61.00
Zn	122.00	85.00	89.00	89.00	130.00	97.00	90.00	88.00	268.00	60.00	113.00	95.00
Zr	473.00	454.00	973.00	435.00	418.00	551.00	247.00	234.00	104.00	254.00	235.00	231.00

Sample	HK2199	HK2200	HK2201	HK2202	HK2203	HK2204	HK2205	HK2206	HK2207	HK2208	HK2209	HK2210
Ag	0.20	0.40	0.40	0.00	0.20	0.70	0.80	0.30	0.20	0.20	0.00	0.30
As	21.00	16.00	11.00	40.00	148.00	12.00	8.00	11.00	11.00	9.00	11.00	17.00
Ba	101.00	72.00	86.00	29.00	39.00	249.00	57.00	44.00	169.00	128.00	151.00	455.00
Bi	0.00	3.00	5.00	2.00	0.00	2.00	5.00	6.00	6.00	2.00	2.00	2.00
CaO	0.47	0.43	0.47	0.29	0.31	0.52	0.28	0.27	0.34	0.36	0.43	0.49
Cd	0.20	0.00	0.00	0.00	0.00	0.50	0.00	0.00	0.30	0.40	0.20	0.80
Ce	113.00	121.00	120.00	55.00	85.00	128.00	200.00	87.00	166.00	179.00	70.00	135.00
Co	6.00	3.00	4.00	0.00	0.00	3.00	0.00	0.00	0.00	3.00	3.00	6.00
Cr	115.00	12.00	14.00	8.00	9.00	12.00	10.00	39.00	220.00	14.00	17.00	83.00
Cs	7.00	13.00	11.00	8.00	0.00	3.00	9.00	5.00	11.00	6.00	8.00	8.00
Cu	4.70	4.10	9.30	0.00	8.90	9.60	0.00	0.00	1.10	5.50	4.00	7.10
Fe ₂ O ₃	2.73	2.25	2.26	0.96	3.41	2.36	1.39	1.49	2.95	2.07	1.72	3.05
Ga	15.00	14.00	14.00	11.00	9.00	14.00	11.00	2.00	18.00	14.00	9.00	15.00
Ge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	2.00	0.00
Hg	0.00	0.00	0.00	0.00	0.50	0.40	0.00	0.00	0.00	0.20	0.20	0.20
La	29.00	51.00	42.00	11.00	25.00	47.00	63.00	36.00	66.00	45.00	34.00	66.00
MnO	0.10	0.06	0.07	0.01	0.03	0.03	0.01	0.02	0.03	0.03	0.07	0.10
Mo	3.80	4.10	3.90	3.00	6.20	3.40	2.30	2.30	2.80	2.40	2.70	3.50
Nb	43.00	37.00	40.00	26.00	43.00	31.00	37.00	28.00	41.00	30.00	20.00	27.00
Ni	12.00	15.00	11.00	9.00	10.00	9.00	8.00	4.00	15.00	10.00	12.00	13.00
P ₂ O ₅	0.24	0.23	0.23	0.02	0.01	0.10	0.02	0.01	0.04	0.04	0.07	0.12
Pb	62.00	46.00	63.00	18.00	77.00	84.00	13.00	12.00	46.00	58.00	38.00	94.00
Rb	116.00	187.00	148.00	144.00	97.00	152.00	73.00	38.00	142.00	157.00	140.00	185.00
Sb	0.00	2.00	0.00	3.00	0.00	2.00	3.00	0.00	5.00	2.00	4.00	4.00
Sc	9.00	9.00	9.00	4.00	4.00	7.00	5.00	5.00	9.00	5.00	4.00	7.00
Se	0.20	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.30	0.30	0.20	0.20
Sn	10.00	27.00	24.00	3.00	9.00	18.00	58.00	34.00	13.00	7.00	15.00	11.00
Sr	19.00	12.00	13.00	4.00	7.00	36.00	9.00	5.00	25.00	29.00	18.00	48.00
Th	51.00	42.00	42.00	22.00	30.00	44.00	43.00	18.00	51.00	42.00	25.00	37.00
TiO ₂	0.24	0.15	0.18	0.12	0.34	0.27	0.32	0.25	0.37	0.26	0.21	0.35
U	4.00	4.00	3.00	6.00	6.00	2.00	5.00	2.00	6.00	5.00	7.00	5.00
V	17.00	9.00	12.00	11.00	12.00	17.00	15.00	11.00	23.00	23.00	20.00	23.00
W	0.00	4.00	0.00	8.00	32.00	0.00	6.00	2.00	6.00	4.00	4.00	7.00
Y	43.00	57.00	50.00	44.00	51.00	37.00	43.00	32.00	48.00	27.00	42.00	40.00
Zn	77.00	92.00	95.00	37.00	202.00	232.00	21.00	17.00	47.00	70.00	58.00	121.00
Zr	262.00	246.00	302.00	262.00	511.00	221.00	469.00	220.00	396.00	266.00	270.00	385.00

Sample	HK2211	HK2212	HK2213	HK2214	HK2215	HK2216	HK2217	HK2218	HK2219	HK2220	HK2221	HK2222
Ag	0.00	0.30	0.40	0.00	0.00	0.00	0.00	0.20	0.30	0.30	0.70	0.70
As	11.00	13.00	13.00	3.00	10.00	11.00	7.00	7.00	9.00	11.00	5.00	15.00
Ba	21.00	96.00	66.00	43.00	30.00	99.00	85.00	64.00	113.00	122.00	75.00	294.00
Bi	2.00	2.00	3.00	0.00	3.00	0.00	4.00	2.00	3.00	2.00	3.00	2.00
CaO	0.41	0.32	0.27	0.27	0.27	0.37	0.40	0.31	0.40	0.35	0.34	0.42
Cd	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.20	0.00	0.00	0.60
Ce	281.00	200.00	269.00	127.00	253.00	208.00	220.00	324.00	242.00	219.00	144.00	228.00
Co	0.00	4.00	3.00	4.00	0.00	5.00	0.00	3.00	4.00	7.00	4.00	3.00
Cr	14.00	225.00	16.00	8.00	48.00	61.00	34.00	47.00	29.00	90.00	53.00	15.00
Cs	12.00	10.00	13.00	7.00	12.00	12.00	8.00	13.00	10.00	8.00	13.00	8.00
Cu	37.20	0.00	0.00	0.00	0.00	0.60	0.00	0.20	0.20	0.60	0.20	13.60
Fe ₂ O ₃	1.98	3.54	2.47	1.80	3.67	3.48	1.84	3.33	3.70	3.60	1.70	5.12
Ga	14.00	22.00	19.00	11.00	25.00	22.00	14.00	25.00	19.00	15.00	16.00	19.00
Ge	0.00	2.00	0.00	2.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00
Hg	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
La	22.00	41.00	128.00	31.00	10.00	37.00	49.00	27.00	102.00	77.00	63.00	63.00
MnO	0.03	0.07	0.08	0.02	0.02	0.14	0.03	0.04	0.19	0.22	0.02	0.22
Mo	2.20	4.80	3.00	2.70	5.30	4.20	2.50	4.00	2.80	3.30	3.00	4.70
Nb	35.00	46.00	38.00	25.00	34.00	39.00	37.00	37.00	33.00	34.00	33.00	53.00
Ni	10.00	11.00	11.00	6.00	5.00	12.00	9.00	12.00	12.00	10.00	12.00	10.00
P ₂ O ₅	0.03	0.02	0.02	0.03	0.00	0.03	0.03	0.01	0.05	0.06	0.02	0.14
Pb	64.00	92.00	114.00	29.00	43.00	65.00	43.00	40.00	58.00	59.00	43.00	74.00
Rb	75.00	132.00	141.00	86.00	43.00	119.00	86.00	85.00	128.00	96.00	144.00	113.00
Sb	2.00	2.00	5.00	3.00	4.00	0.00	0.00	0.00	0.00	3.00	0.00	6.00
Sc	7.00	13.00	14.00	7.00	16.00	10.00	10.00	12.00	14.00	11.00	9.00	10.00
Se	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.20
Sn	10.00	10.00	13.00	5.00	11.00	10.00	11.00	10.00	8.00	8.00	16.00	14.00
Sr	10.00	8.00	8.00	6.00	4.00	15.00	9.00	9.00	16.00	14.00	11.00	37.00
Th	40.00	43.00	41.00	22.00	43.00	44.00	31.00	47.00	31.00	26.00	32.00	34.00
TiO ₂	0.18	0.21	0.15	0.12	0.23	0.20	0.22	0.21	0.40	0.45	0.15	0.52
U	5.00	5.00	6.00	2.00	3.00	5.00	7.00	5.00	7.00	7.00	5.00	8.00
V	11.00	16.00	7.00	6.00	20.00	15.00	12.00	16.00	18.00	18.00	10.00	26.00
W	5.00	6.00	10.00	11.00	4.00	5.00	6.00	3.00	6.00	14.00	6.00	8.00
Y	49.00	47.00	63.00	33.00	38.00	39.00	38.00	44.00	45.00	44.00	43.00	38.00
Zn	233.00	62.00	47.00	30.00	41.00	79.00	49.00	53.00	165.00	71.00	49.00	154.00
Zr	383.00	373.00	306.00	291.00	278.00	300.00	563.00	277.00	598.00	587.00	239.00	689.00

Sample	HK2223	HK2224	HK2225	HK2226	HK2227	HK2228	HK2229	HK2230	HK2231	HK2232	HK2233	HK2234
Ag	0.70	0.00	8.90	0.20	0.20	0.30	0.30	0.70	0.80	0.70	0.30	0.80
As	16.00	17.00	34.00	21.00	2.00	0.00	4.00	17.00	6.00	10.00	5.00	10.00
Ba	99.00	124.00	281.00	204.00	91.00	53.00	87.00	153.00	104.00	113.00	75.00	110.00
Bi	6.00	5.00	5.00	1.00	3.00	2.00	3.00	3.00	3.00	4.00	5.00	3.00
CaO	0.47	0.47	8.95	0.44	0.27	0.26	0.33	0.32	0.39	0.38	0.37	0.50
Cd	0.30	0.20	1.70	0.30	0.00	0.00	0.00	0.00	0.30	0.00	0.20	0.30
Ce	292.00	116.00	201.00	168.00	42.00	34.00	120.00	292.00	166.00	219.00	197.00	328.00
Co	5.00	0.00	8.00	3.00	3.00	0.00	0.00	9.00	0.00	3.00	3.00	4.00
Cr	19.00	205.00	62.00	135.00	10.00	14.00	11.00	61.00	26.00	15.00	55.00	21.00
Cs	11.00	0.00	3.00	9.00	8.00	9.00	9.00	5.00	13.00	10.00	10.00	13.00
Cu	7.20	5.80	68.70	1.40	0.20	0.20	26.50	84.40	0.60	1.20	1.70	9.00
Fe ₂ O ₃	3.42	2.71	3.56	3.08	1.78	0.94	1.83	3.89	2.01	1.69	2.05	2.32
Ga	19.00	15.00	23.00	15.00	2.00	0.00	11.00	16.00	14.00	10.00	15.00	11.00
Ge	2.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
Hg	0.00	0.00	1.50	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00
La	58.00	24.00	60.00	65.00	11.00	5.00	41.00	71.00	68.00	69.00	58.00	86.00
MnO	0.09	0.10	0.08	0.09	0.02	0.01	0.13	0.66	0.07	0.03	0.08	0.27
Mo	5.10	4.70	4.80	4.80	2.00	1.20	1.60	3.30	1.20	1.80	3.80	2.20
Nb	52.00	48.00	46.00	28.00	60.00	14.00	25.00	30.00	34.00	41.00	32.00	34.00
Ni	11.00	12.00	15.00	10.00	6.00	5.00	12.00	14.00	11.00	12.00	11.00	11.00
P ₂ O ₅	0.07	0.29	0.05	0.10	0.01	0.01	0.05	0.05	0.04	0.03	0.03	0.06
Pb	66.00	70.00	190.00	53.00	18.00	21.00	36.00	119.00	61.00	71.00	44.00	67.00
Rb	110.00	114.00	149.00	124.00	74.00	48.00	117.00	139.00	138.00	115.00	144.00	84.00
Sb	0.00	0.00	4.00	6.00	0.00	4.00	3.00	4.00	0.00	0.00	2.00	1.00
Sc	6.00	10.00	11.00	9.00	6.00	6.00	5.00	7.00	9.00	7.00	12.00	8.00
Se	0.20	0.30	0.20	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sn	4.00	12.00	26.00	8.00	11.00	7.00	8.00	12.00	7.00	8.00	11.00	11.00
Sr	21.00	17.00	102.00	22.00	6.00	4.00	13.00	10.00	20.00	12.00	19.00	25.00
Th	45.00	43.00	44.00	27.00	6.00	0.00	22.00	37.00	27.00	28.00	29.00	29.00
TiO ₂	0.38	0.24	0.35	0.36	0.35	0.10	0.16	0.18	0.16	0.22	0.16	0.25
U	7.00	5.00	6.00	5.00	1.00	0.00	7.00	9.00	5.00	7.00	4.00	3.00
V	23.00	20.00	22.00	23.00	13.00	7.00	12.00	13.00	10.00	14.00	11.00	16.00
W	8.00	8.00	12.00	7.00	10.00	5.00	3.00	6.00	14.00	3.00	7.00	6.00
Y	44.00	45.00	58.00	45.00	43.00	17.00	39.00	54.00	39.00	42.00	54.00	49.00
Zn	91.00	84.00	272.00	109.00	27.00	20.00	60.00	77.00	52.00	56.00	55.00	74.00
Zr	362.00	272.00	375.00	628.00	624.00	139.00	300.00	256.00	443.00	654.00	262.00	445.00

Sample	HK2235	HK2236	HK2237	HK2238	HK2239	HK2240	HK2241	HK2242	HK2243	HK2244	HK2245	HK2246
Ag	0.30	0.30	0.30	0.30	0.20	0.00	0.20	0.20	0.40	0.30	0.00	0.20
As	12.00	6.00	4.00	4.00	8.00	8.00	7.00	6.00	9.00	8.00	8.00	8.00
Ba	211.00	82.00	123.00	97.00	32.00	95.00	45.00	53.00	57.00	88.00	110.00	88.00
Bi	1.00	2.00	3.00	7.00	5.00	3.00	3.00	3.00	4.00	2.00	1.00	3.00
CaO	0.43	0.32	0.30	0.28	0.27	0.30	0.26	0.28	0.29	0.37	0.41	0.36
Cd	0.30	0.20	0.20	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.30	0.00
Ce	203.00	113.00	128.00	102.00	155.00	192.00	116.00	150.00	194.00	124.00	142.00	137.00
Co	8.00	3.00	4.00	0.00	0.00	0.00	4.00	4.00	7.00	0.00	3.00	3.00
Cr	165.00	21.00	74.00	162.00	25.00	85.00	50.00	26.00	202.00	64.00	129.00	106.00
Cs	12.00	7.00	10.00	4.00	9.00	15.00	9.00	7.00	7.00	7.00	10.00	3.00
Cu	4.20	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00	0.00	0.30	0.00
Fe ₂ O ₃	3.65	2.46	2.40	1.80	2.11	2.42	3.42	1.98	2.28	2.03	2.29	1.94
Ga	13.00	12.00	14.00	13.00	17.00	16.00	22.00	12.00	14.00	15.00	11.00	11.00
Ge	1.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00
Hg	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.30	0.50	0.40
La	61.00	35.00	78.00	31.00	22.00	81.00	10.00	93.00	172.00	82.00	60.00	68.00
MnO	0.31	0.16	0.11	0.06	0.02	0.07	0.02	0.15	0.15	0.11	0.08	0.07
Mo	1.20	3.10	2.60	1.10	7.40	2.20	2.10	2.30	2.80	2.20	2.00	2.10
Nb	26.00	42.00	51.00	37.00	59.00	36.00	40.00	31.00	43.00	27.00	32.00	34.00
Ni	21.00	9.00	8.00	13.00	9.00	8.00	10.00	11.00	10.00	11.00	14.00	11.00
P ₂ O ₅	0.08	0.06	0.05	0.02	0.01	0.06	0.02	0.03	0.02	0.04	0.04	0.03
Pb	71.00	31.00	39.00	24.00	27.00	28.00	25.00	42.00	48.00	62.00	36.00	53.00
Rb	134.00	102.00	124.00	164.00	125.00	124.00	71.00	104.00	126.00	173.00	127.00	128.00
Sb	5.00	2.00	3.00	7.00	2.00	4.00	3.00	4.00	4.00	3.00	0.00	0.00
Sc	13.00	10.00	10.00	9.00	8.00	10.00	12.00	12.00	9.00	9.00	9.00	7.00
Se	0.20	0.20	0.20	0.00	0.00	0.20	0.20	0.00	0.00	0.00	0.00	0.00
Sn	9.00	3.00	6.00	9.00	12.00	6.00	10.00	9.00	9.00	16.00	8.00	9.00
Sr	23.00	16.00	18.00	9.00	5.00	16.00	8.00	6.00	8.00	14.00	20.00	12.00
Th	31.00	21.00	22.00	28.00	34.00	27.00	41.00	31.00	27.00	32.00	35.00	32.00
TiO ₂	0.24	0.45	0.64	0.19	0.20	0.43	0.30	0.17	0.18	0.12	0.27	0.20
U	7.00	5.00	5.00	2.00	1.00	5.00	3.00	2.00	5.00	7.00	5.00	5.00
V	21.00	17.00	24.00	16.00	13.00	17.00	19.00	10.00	10.00	10.00	18.00	11.00
W	5.00	6.00	12.00	7.00	6.00	8.00	6.00	10.00	10.00	7.00	4.00	6.00
Y	37.00	32.00	33.00	32.00	41.00	35.00	40.00	49.00	60.00	43.00	41.00	43.00
Zn	89.00	64.00	41.00	38.00	43.00	51.00	48.00	46.00	45.00	60.00	55.00	52.00
Zr	269.00	477.00	526.00	487.00	827.00	494.00	382.00	360.00	449.00	201.00	332.00	335.00

Sample	HK2247	HK2248	HK2249	HK2250	HK2251	HK2252	HK2253	HK2254	HK2255	HK2256	HK2257	HK2258
Ag	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.20	0.20	0.30
As	18.00	8.00	33.00	17.00	38.00	11.00	11.00	12.00	21.00	7.00	21.00	25.00
Ba	497.00	623.00	491.00	92.00	350.00	133.00	133.00	146.00	401.00	158.00	449.00	476.00
Bi	6.00	2.00	2.00	1.00	2.00	1.00	0.00	0.00	0.00	2.00	2.00	1.00
CaO	0.37	0.40	0.52	0.26	0.37	0.25	0.26	0.25	0.41	0.26	0.39	0.32
Cd	0.90	1.00	0.40	0.00	0.40	0.00	0.00	0.00	0.30	0.00	0.30	0.30
Ce	235.00	210.00	95.00	42.00	106.00	38.00	40.00	32.00	88.00	46.00	102.00	102.00
Co	8.00	8.00	7.00	0.00	9.00	0.00	3.00	0.00	5.00	0.00	10.00	8.00
Cr	143.00	41.00	70.00	36.00	92.00	45.00	82.00	18.00	125.00	135.00	181.00	147.00
Cs	8.00	10.00	13.00	5.00	11.00	8.00	7.00	6.00	19.00	11.00	27.00	17.00
Cu	7.30	1.80	4.80	0.20	2.40	0.30	0.00	0.00	5.50	0.00	4.10	3.80
Fe ₂ O ₃	3.38	4.50	3.42	1.11	3.66	1.23	1.24	1.18	3.04	1.44	3.67	4.02
Ga	17.00	19.00	11.00	0.00	11.00	0.00	0.00	0.00	10.00	0.00	13.00	13.00
Ge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hg	2.00	1.70	1.90	0.40	1.50	0.30	0.20	0.40	1.60	0.20	0.60	1.80
La	74.00	84.00	49.00	16.00	46.00	17.00	15.00	19.00	43.00	20.00	57.00	49.00
MnO	0.03	0.10	0.04	0.00	0.08	0.00	0.00	0.00	0.03	0.01	0.10	0.18
Mo	4.90	2.50	2.20	1.60	2.80	1.10	0.50	0.90	1.60	0.70	2.10	1.70
Nb	30.00	27.00	23.00	6.00	17.00	0.00	2.00	2.00	22.00	2.00	29.00	21.00
Ni	9.00	10.00	11.00	0.00	12.00	0.00	4.00	3.00	12.00	5.00	15.00	12.00
P ₂ O ₅	0.12	0.11	0.12	0.03	0.10	0.02	0.02	0.02	0.11	0.02	0.10	0.06
Pb	73.00	31.00	38.00	21.00	22.00	6.00	6.00	9.00	29.00	14.00	30.00	31.00
Rb	136.00	167.00	140.00	43.00	149.00	55.00	56.00	56.00	126.00	64.00	169.00	156.00
Sb	5.00	5.00	5.00	4.00	3.00	4.00	5.00	5.00	7.00	7.00	4.00	11.00
Sc	14.00	11.00	7.00	4.00	8.00	4.00	5.00	2.00	7.00	3.00	9.00	10.00
Se	0.60	0.50	0.50	0.00	0.50	0.00	0.00	0.00	0.30	0.20	0.40	0.40
Sn	10.00	5.00	8.00	0.00	6.00	9.00	9.00	4.00	7.00	3.00	10.00	9.00
Sr	56.00	59.00	29.00	9.00	28.00	9.00	10.00	9.00	25.00	8.00	20.00	20.00
Th	37.00	36.00	25.00	11.00	21.00	4.00	6.00	9.00	22.00	8.00	19.00	20.00
TiO ₂	0.85	0.73	0.65	0.22	0.66	0.12	0.12	0.16	0.54	0.19	0.63	0.52
U	6.00	4.00	2.00	2.00	4.00	0.00	2.00	3.00	4.00	2.00	6.00	4.00
V	55.00	48.00	44.00	14.00	46.00	12.00	14.00	14.00	34.00	17.00	38.00	39.00
W	3.00	9.00	4.00	9.00	8.00	0.00	2.00	4.00	3.00	2.00	13.00	13.00
Y	48.00	38.00	29.00	18.00	24.00	10.00	12.00	13.00	29.00	11.00	32.00	30.00
Zn	57.00	64.00	47.00	11.00	39.00	17.00	14.00	17.00	41.00	18.00	51.00	59.00
Zr	4066.00	1428.00	457.00	331.00	428.00	73.00	70.00	166.00	518.00	96.00	496.00	360.00

Sample	HK2259	HK2260	HK2261	HK2262	HK2263	HK2264	HK2265	HK2266	HK2267	HK2268	HK2269	HK2270
Ag	0.20	0.00	0.20	0.20	0.00	0.30	0.30	0.60	0.60	0.70	0.70	0.70
As	19.00	19.00	22.00	22.00	19.00	19.00	13.00	6.00	8.00	10.00	9.00	3.00
Ba	532.00	592.00	606.00	648.00	591.00	552.00	539.00	121.00	279.00	469.00	71.00	68.00
Bi	0.00	0.00	0.00	3.00	2.00	0.00	2.00	0.00	0.00	2.00	1.00	2.00
CaO	0.28	0.31	0.30	0.31	0.29	0.31	0.27	0.26	0.36	0.44	0.32	0.27
Cd	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.00	0.50	0.50	0.00	0.00
Ce	84.00	95.00	94.00	96.00	95.00	89.00	89.00	25.00	191.00	184.00	110.00	85.00
Co	4.00	4.00	0.00	8.00	0.00	7.00	0.00	0.00	7.00	4.00	0.00	0.00
Cr	19.00	23.00	18.00	19.00	16.00	18.00	24.00	14.00	12.00	6.00	9.00	11.00
Cs	10.00	14.00	10.00	16.00	7.00	12.00	16.00	1.00	13.00	19.00	14.00	12.00
Cu	3.80	2.60	2.70	4.30	2.00	4.90	4.30	0.20	5.80	0.70	0.00	2.60
Fe ₂ O ₃	2.98	3.18	3.12	3.33	2.98	2.84	3.23	1.03	4.01	3.49	2.28	3.36
Ga	10.00	12.00	13.00	13.00	11.00	10.00	10.00	0.00	14.00	15.00	10.00	7.00
Ge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hg	1.70	1.20	1.60	1.30	1.20	0.40	1.10	1.00	1.70	0.80	0.00	1.60
La	50.00	54.00	51.00	52.00	50.00	45.00	42.00	9.00	82.00	90.00	43.00	26.00
MnO	0.02	0.02	0.04	0.05	0.03	0.05	0.00	0.02	0.11	0.18	0.10	0.05
Mo	0.80	1.30	0.80	0.80	0.50	1.10	0.60	0.80	1.80	1.20	2.20	4.50
Nb	20.00	22.00	20.00	22.00	22.00	26.00	28.00	0.00	35.00	48.00	57.00	138.00
Ni	10.00	10.00	11.00	12.00	9.00	10.00	7.00	0.00	11.00	12.00	11.00	8.00
P ₂ O ₅	0.05	0.08	0.05	0.05	0.05	0.05	0.04	0.02	0.09	0.10	0.05	0.02
Pb	27.00	34.00	29.00	34.00	29.00	33.00	33.00	10.00	46.00	46.00	29.00	46.00
Rb	137.00	149.00	159.00	162.00	153.00	134.00	137.00	56.00	154.00	168.00	119.00	84.00
Sb	10.00	9.00	7.00	7.00	6.00	5.00	10.00	1.00	0.00	4.00	7.00	3.00
Sc	7.00	7.00	11.00	8.00	9.00	6.00	8.00	3.00	9.00	13.00	10.00	9.00
Se	0.20	0.30	0.40	0.30	0.30	0.30	0.40	0.00	0.50	0.30	0.20	0.00
Sn	3.00	7.00	5.00	9.00	4.00	7.00	11.00	0.00	10.00	11.00	7.00	21.00
Sr	21.00	24.00	24.00	23.00	24.00	20.00	26.00	13.00	31.00	33.00	14.00	7.00
Th	18.00	23.00	20.00	27.00	22.00	17.00	15.00	3.00	28.00	27.00	36.00	21.00
TiO ₂	0.44	0.48	0.48	0.47	0.49	0.51	0.60	0.10	0.64	0.67	0.41	0.71
U	2.00	3.00	3.00	2.00	3.00	2.00	2.00	3.00	7.00	9.00	5.00	6.00
V	27.00	32.00	37.00	33.00	35.00	32.00	39.00	11.00	46.00	32.00	21.00	17.00
W	6.00	6.00	7.00	2.00	4.00	3.00	8.00	2.00	10.00	8.00	13.00	13.00
Y	26.00	29.00	29.00	28.00	31.00	29.00	31.00	12.00	39.00	44.00	42.00	54.00
Zn	37.00	36.00	38.00	40.00	37.00	33.00	30.00	13.00	63.00	88.00	48.00	50.00
Zr	358.00	292.00	316.00	373.00	350.00	559.00	510.00	477.00	446.00	465.00	389.00	701.00

Sample	HK2271	HK2272	HK2273	HK2274	HK2275	HK2276	HK2277	HK2278	HK2279	HK2280	HK2281	HK2282
Ag	0.80	0.70	0.70	0.00	0.60	0.30	0.40	0.30	0.30	0.30	0.40	0.20
As	9.00	6.00	10.00	9.00	6.00	9.00	9.00	8.00	23.00	7.00	12.00	16.00
Ba	103.00	40.00	125.00	242.00	254.00	184.00	324.00	164.00	567.00	35.00	293.00	285.00
Bi	4.00	2.00	4.00	4.00	0.00	3.00	3.00	2.00	5.00	2.00	3.00	2.00
CaO	0.37	0.28	0.46	0.37	0.38	0.43	0.45	0.33	0.30	0.29	0.41	0.39
Cd	0.00	0.00	0.20	0.30	0.50	0.40	0.50	0.30	0.30	0.00	0.40	0.30
Ce	164.00	64.00	196.00	153.00	155.00	125.00	142.00	145.00	94.00	152.00	173.00	204.00
Co	0.00	0.00	3.00	6.00	0.00	0.00	5.00	0.00	0.00	3.00	8.00	5.00
Cr	10.00	9.00	15.00	10.00	61.00	56.00	13.00	118.00	100.00	135.00	61.00	82.00
Cs	10.00	13.00	7.00	16.00	8.00	11.00	14.00	7.00	11.00	9.00	19.00	13.00
Cu	0.20	0.20	7.30	0.00	0.00	0.00	1.40	1.40	4.90	0.00	0.20	4.80
Fe ₂ O ₃	2.96	2.59	2.86	3.41	2.09	1.74	2.34	1.98	2.99	2.28	4.04	3.91
Ga	17.00	4.00	13.00	17.00	11.00	10.00	14.00	9.00	14.00	17.00	18.00	18.00
Ge	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	2.00	0.00	0.00	1.00
Hg	1.40	0.60	1.10	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
La	42.00	11.00	61.00	53.00	137.00	76.00	89.00	98.00	53.00	24.00	109.00	97.00
MnO	0.10	0.06	0.20	0.09	0.11	0.10	0.15	0.11	0.05	0.03	0.19	0.14
Mo	2.00	2.60	2.60	2.20	0.70	2.00	1.60	2.80	0.40	1.60	4.20	3.20
Nb	41.00	36.00	50.00	40.00	70.00	42.00	41.00	46.00	25.00	41.00	52.00	41.00
Ni	9.00	5.00	9.00	8.00	14.00	11.00	15.00	13.00	8.00	10.00	13.00	11.00
P ₂ O ₅	0.03	0.02	0.09	0.06	0.10	0.14	0.13	0.08	0.05	0.02	0.11	0.11
Pb	51.00	35.00	66.00	54.00	31.00	28.00	36.00	26.00	26.00	24.00	51.00	53.00
Rb	146.00	80.00	151.00	166.00	150.00	170.00	201.00	119.00	150.00	140.00	200.00	168.00
Sb	3.00	1.00	1.00	0.00	0.00	4.00	2.00	0.00	8.00	4.00	6.00	1.00
Sc	10.00	7.00	12.00	11.00	9.00	7.00	6.00	7.00	7.00	15.00	11.00	12.00
Se	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.40	0.00	0.40	0.40
Sn	7.00	24.00	18.00	12.00	8.00	10.00	7.00	9.00	8.00	6.00	8.00	9.00
Sr	12.00	4.00	18.00	24.00	32.00	26.00	34.00	20.00	25.00	10.00	27.00	25.00
Th	37.00	12.00	42.00	38.00	30.00	23.00	31.00	19.00	13.00	39.00	28.00	28.00
TiO ₂	0.23	0.22	0.21	0.35	0.48	0.30	0.47	0.59	0.49	0.19	0.68	0.59
U	5.00	5.00	5.00	4.00	5.00	5.00	7.00	4.00	4.00	6.00	7.00	6.00
V	11.00	8.00	12.00	22.00	20.00	16.00	22.00	27.00	38.00	15.00	41.00	39.00
W	8.00	8.00	6.00	10.00	4.00	3.00	7.00	7.00	6.00	3.00	16.00	11.00
Y	45.00	28.00	51.00	42.00	65.00	45.00	46.00	41.00	30.00	34.00	47.00	44.00
Zn	79.00	41.00	88.00	95.00	63.00	62.00	73.00	68.00	36.00	55.00	72.00	101.00
Zr	313.00	258.00	427.00	366.00	277.00	212.00	257.00	280.00	345.00	292.00	368.00	475.00

Sample	HK2283	HK2284	HK2285	HK2286	HK2287	HK2288	HK2289	HK2290	HK2291	HK2292	HK2293	HK2294
Ag	0.40	0.00	0.00	0.70	0.30	0.20	0.20	0.40	0.60	0.70	0.30	0.00
As	16.00	12.00	12.00	10.00	11.00	13.00	11.00	25.00	9.00	3.00	4.00	1.00
Ba	189.00	125.00	354.00	350.00	295.00	314.00	292.00	433.00	247.00	403.00	497.00	515.00
Bi	0.00	2.00	3.00	0.00	3.00	2.00	4.00	3.00	1.00	0.00	2.00	4.00
CaO	0.44	0.47	0.41	0.39	0.43	0.61	0.55	0.63	0.31	0.32	0.41	0.54
Cd	0.30	0.20	0.40	0.60	0.40	0.50	0.40	0.60	0.40	0.30	0.90	1.10
Ce	205.00	176.00	173.00	133.00	226.00	248.00	256.00	251.00	237.00	142.00	168.00	197.00
Co	5.00	4.00	7.00	7.00	6.00	6.00	8.00	12.00	5.00	7.00	6.00	6.00
Cr	41.00	65.00	49.00	27.00	26.00	40.00	134.00	37.00	38.00	99.00	39.00	115.00
Cs	8.00	5.00	12.00	12.00	8.00	8.00	2.00	16.00	11.00	16.00	2.00	3.00
Cu	6.50	9.80	0.50	7.00	0.80	0.20	2.00	1.00	1.50	5.00	1.00	2.90
Fe ₂ O ₃	3.30	2.80	4.06	4.57	3.69	3.80	3.88	4.45	3.67	3.93	3.79	3.53
Ga	16.00	16.00	16.00	19.00	16.00	16.00	16.00	19.00	24.00	21.00	20.00	13.00
Ge	0.00	2.00	2.00	1.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00
Hg	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
La	73.00	62.00	89.00	59.00	82.00	88.00	82.00	80.00	69.00	73.00	80.00	70.00
MnO	0.13	0.12	0.19	0.07	0.19	0.21	0.15	0.32	0.07	0.07	0.14	0.11
Mo	2.70	2.30	2.30	1.30	3.20	1.70	2.60	2.10	2.30	3.90	2.60	2.70
Nb	42.00	43.00	35.00	26.00	43.00	42.00	39.00	37.00	33.00	24.00	30.00	27.00
Ni	13.00	12.00	16.00	11.00	12.00	13.00	11.00	11.00	10.00	13.00	11.00	9.00
P ₂ O ₅	0.10	0.10	0.11	0.11	0.07	0.08	0.08	0.09	0.06	0.07	0.09	0.09
Pb	63.00	72.00	56.00	58.00	35.00	35.00	39.00	68.00	35.00	27.00	30.00	38.00
Rb	155.00	140.00	191.00	205.00	150.00	130.00	141.00	139.00	159.00	265.00	216.00	158.00
Sb	8.00	6.00	3.00	0.00	4.00	6.00	9.00	0.00	2.00	1.00	0.00	0.00
Sc	12.00	10.00	13.00	17.00	8.00	7.00	12.00	9.00	6.00	8.00	7.00	7.00
Se	0.20	0.00	0.40	0.50	0.30	0.30	0.30	0.30	0.20	0.30	0.20	0.40
Sn	13.00	20.00	6.00	11.00	6.00	7.00	8.00	11.00	9.00	0.00	4.00	8.00
Sr	22.00	19.00	30.00	37.00	27.00	32.00	30.00	38.00	29.00	24.00	54.00	67.00
Th	40.00	35.00	30.00	32.00	35.00	38.00	37.00	35.00	44.00	21.00	30.00	24.00
TiO ₂	0.40	0.29	0.56	0.58	0.54	0.55	0.51	0.59	0.40	0.36	0.48	0.53
U	7.00	4.00	6.00	5.00	7.00	6.00	7.00	6.00	8.00	7.00	7.00	9.00
V	28.00	19.00	39.00	49.00	34.00	30.00	33.00	34.00	26.00	32.00	29.00	40.00
W	7.00	4.00	3.00	8.00	7.00	5.00	6.00	10.00	7.00	0.00	6.00	5.00
Y	46.00	49.00	44.00	34.00	46.00	42.00	46.00	39.00	35.00	40.00	41.00	32.00
Zn	134.00	153.00	68.00	93.00	73.00	67.00	65.00	71.00	52.00	55.00	55.00	53.00
Zr	379.00	362.00	274.00	314.00	713.00	499.00	772.00	427.00	424.00	311.00	860.00	1771.00

Sample	HK2295	HK2296	HK2297	HK2298	HK2299	HK2300	HK2301	HK2302	HK2303	HK2304	HK2305	HK2306
Ag	0.60	0.50	0.60	0.60	0.30	0.70	0.20	0.00	0.00	0.20	0.00	0.20
As	6.00	15.00	19.00	12.00	15.00	14.00	13.00	17.00	14.00	16.00	15.00	11.00
Ba	238.00	352.00	370.00	217.00	561.00	529.00	713.00	721.00	773.00	654.00	910.00	620.00
Bi	0.00	2.00	0.00	0.00	1.00	2.00	1.00	2.00	1.00	3.00	2.00	2.00
CaO	0.30	0.35	0.35	0.06	0.08	0.09	0.08	0.09	0.14	0.14	0.14	0.13
Cd	0.00	0.20	0.30	0.00	0.30	0.30	0.20	0.30	0.30	0.40	0.20	0.30
Ce	67.00	90.00	85.00	0.00	12.00	9.00	8.00	8.00	8.00	14.00	11.00	10.00
Co	4.00	6.00	9.00	0.00	0.00	0.00	0.00	0.00	5.00	0.00	0.00	4.00
Cr	40.00	80.00	167.00	58.00	172.00	343.00	195.00	133.00	82.00	80.00	21.00	43.00
Cs	10.00	13.00	16.00	0.00	11.00	12.00	11.00	7.00	9.00	14.00	5.00	14.00
Cu	0.00	2.10	6.70	0.00	5.40	2.50	3.20	2.60	7.20	7.10	6.30	11.30
Fe ₂ O ₃	2.93	3.80	4.04	0.80	1.84	1.60	2.29	2.63	2.47	2.24	2.44	2.45
Ga	4.00	13.00	12.00	2.00	9.00	8.00	14.00	11.00	13.00	10.00	15.00	8.00
Ge	0.00	2.00	0.00	2.00	3.00	3.00	0.00	2.00	0.00	1.00	1.00	2.00
Hg	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.20	0.30	0.00	0.50
La	35.00	42.00	47.00	24.00	50.00	47.00	48.00	51.00	47.00	38.00	49.00	33.00
MnO	0.00	0.05	0.07	0.00	0.01	0.02	0.01	0.07	0.11	0.09	0.09	0.05
Mo	0.70	1.70	2.60	0.80	1.50	1.60	1.20	1.00	0.90	0.90	0.80	1.90
Nb	9.00	15.00	15.00	4.00	25.00	24.00	18.00	19.00	17.00	23.00	17.00	18.00
Ni	9.00	15.00	18.00	0.00	7.00	5.00	9.00	7.00	7.00	9.00	11.00	6.00
P ₂ O ₅	0.06	0.11	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pb	14.00	14.00	23.00	7.00	30.00	27.00	37.00	33.00	33.00	27.00	36.00	36.00
Rb	82.00	133.00	144.00	35.00	112.00	101.00	158.00	139.00	138.00	116.00	165.00	104.00
Sb	7.00	5.00	4.00	0.00	4.00	6.00	5.00	6.00	3.00	2.00	4.00	3.00
Sc	8.00	8.00	12.00	4.00	6.00	7.00	5.00	5.00	8.00	8.00	7.00	8.00
Se	0.40	0.70	0.60	0.00	0.20	0.30	0.40	0.30	0.30	0.40	0.30	0.30
Sn	2.00	0.00	5.00	4.00	11.00	12.00	12.00	4.00	9.00	11.00	9.00	7.00
Sr	13.00	15.00	21.00	9.00	20.00	20.00	18.00	22.00	21.00	28.00	19.00	23.00
Th	12.00	13.00	13.00	10.00	15.00	11.00	18.00	13.00	20.00	21.00	21.00	18.00
TiO ₂	0.58	0.70	0.68	0.24	0.64	0.66	0.58	0.53	0.49	0.68	0.43	0.63
U	2.00	3.00	5.00	2.00	4.00	3.00	3.00	5.00	4.00	5.00	2.00	5.00
V	42.00	57.00	53.00	13.00	27.00	32.00	38.00	33.00	32.00	40.00	30.00	36.00
W	10.00	7.00	8.00	3.00	4.00	4.00	4.00	4.00	4.00	5.00	4.00	2.00
Y	24.00	23.00	29.00	5.00	15.00	13.00	11.00	13.00	11.00	11.00	13.00	8.00
Zn	15.00	33.00	39.00	19.00	33.00	32.00	50.00	48.00	72.00	47.00	72.00	50.00
Zr	375.00	387.00	290.00	28.00	201.00	296.00	101.00	133.00	119.00	307.00	127.00	594.00

Sample	HK2307	HK2308	HK2309	HK2310	HK2311	HK2312	HK2313	HK2314	HK2315	HK2316	HK2317	HK2318
Ag	0.60	0.00	0.00	0.00	0.40	0.50	0.50	0.70	0.70	0.20	0.00	0.40
As	17.00	10.00	16.00	16.00	13.00	10.00	11.00	17.00	12.00	12.00	8.00	15.00
Ba	574.00	801.00	618.00	714.00	509.00	211.00	201.00	520.00	856.00	774.00	480.00	587.00
Bi	2.00	3.00	2.00	2.00	3.00	2.00	3.00	0.00	0.00	1.00	2.00	3.00
CaO	0.08	0.07	0.12	0.09	0.07	0.06	0.07	0.08	0.10	0.09	0.07	0.08
Cd	0.30	0.20	0.40	0.20	0.20	0.00	0.00	0.20	0.50	0.40	0.70	0.30
Ce	7.00	0.00	7.00	10.00	7.00	0.00	0.00	9.00	7.00	0.00	0.00	9.00
Co	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cr	68.00	26.00	30.00	216.00	210.00	0.00	10.00	23.00	104.00	45.00	50.00	92.00
Cs	4.00	5.00	3.00	13.00	12.00	2.00	0.00	3.00	10.00	1.00	7.00	12.00
Cu	5.60	7.50	5.10	5.00	3.40	0.00	0.20	4.10	8.20	10.20	2.80	17.60
Fe ₂ O ₃	2.64	2.54	2.33	2.06	1.77	0.85	0.67	1.77	3.26	3.09	2.10	2.60
Ga	12.00	15.00	8.00	13.00	9.00	1.00	0.00	7.00	19.00	13.00	8.00	15.00
Ge	0.00	0.00	0.00	1.00	0.00	3.00	1.00	0.00	0.00	0.00	0.00	0.00
Hg	0.00	0.00	0.80	0.00	0.00	0.00	0.00	0.00	1.50	3.40	1.80	1.80
La	35.00	19.00	39.00	46.00	38.00	23.00	23.00	40.00	40.00	37.00	23.00	49.00
MnO	0.03	0.02	0.05	0.01	0.00	0.00	0.00	0.02	0.07	0.09	0.00	0.05
Mo	0.90	0.50	0.80	2.20	1.60	0.80	1.10	0.80	0.70	1.00	0.90	1.70
Nb	24.00	18.00	26.00	23.00	19.00	16.00	8.00	25.00	19.00	21.00	15.00	18.00
Ni	6.00	5.00	6.00	9.00	6.00	0.00	0.00	5.00	10.00	6.00	0.00	9.00
P ₂ O ₅	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pb	26.00	24.00	26.00	40.00	19.00	14.00	8.00	20.00	41.00	43.00	31.00	21.00
Rb	135.00	128.00	108.00	143.00	112.00	37.00	34.00	97.00	175.00	158.00	94.00	163.00
Sb	7.00	7.00	8.00	6.00	0.00	0.00	2.00	5.00	3.00	0.00	3.00	7.00
Sc	11.00	10.00	11.00	9.00	5.00	4.00	7.00	5.00	11.00	13.00	7.00	10.00
Se	0.50	0.40	0.30	0.40	0.30	0.00	0.00	0.30	0.50	0.60	0.30	0.50
Sn	9.00	8.00	8.00	14.00	8.00	37.00	5.00	15.00	9.00	0.00	5.00	4.00
Sr	20.00	17.00	26.00	19.00	17.00	10.00	7.00	16.00	31.00	27.00	45.00	21.00
Th	13.00	18.00	9.00	20.00	14.00	3.00	0.00	22.00	18.00	20.00	15.00	23.00
TiO ₂	0.83	0.66	0.72	0.70	0.60	0.45	0.28	0.66	0.67	0.78	0.64	0.78
U	4.00	4.00	1.00	6.00	4.00	3.00	2.00	4.00	4.00	2.00	6.00	4.00
V	47.00	43.00	36.00	40.00	32.00	16.00	11.00	32.00	48.00	51.00	35.00	45.00
W	4.00	3.00	3.00	5.00	5.00	3.00	3.00	4.00	4.00	4.00	2.00	4.00
Y	10.00	2.00	11.00	13.00	15.00	8.00	3.00	13.00	10.00	10.00	3.00	9.00
Zn	32.00	36.00	46.00	45.00	42.00	19.00	19.00	42.00	54.00	43.00	23.00	50.00
Zr	167.00	214.00	309.00	378.00	238.00	139.00	46.00	378.00	126.00	166.00	220.00	133.00

Sample	HK2319	HK2320	HK2321	HK2322	HK2323	HK2324	HK2325	HK2326	HK2327	HK2328	HK2329	HK2330
Ag	0.00	0.20	0.00	0.00	0.00	0.20	0.20	0.20	0.80	0.60	0.80	0.70
As	22.00	29.00	20.00	20.00	39.00	38.00	16.00	11.00	17.00	15.00	67.00	27.00
Ba	678.00	398.00	407.00	396.00	530.00	447.00	682.00	641.00	678.00	630.00	547.00	519.00
Bi	2.00	5.00	5.00	20.00	15.00	4.00	2.00	2.00	4.00	4.00	5.00	2.00
CaO	0.16	0.20	0.23	0.24	0.27	0.13	0.20	0.16	0.24	0.18	0.15	0.10
Cd	0.30	0.50	0.90	0.40	0.40	0.20	0.40	0.40	0.40	0.40	0.30	0.20
Ce	15.00	27.00	29.00	15.00	22.00	9.00	22.00	20.00	17.00	23.00	20.00	24.00
Co	9.00	7.00	6.00	0.00	6.00	5.00	0.00	3.00	7.00	6.00	0.00	0.00
Cr	288.00	69.00	147.00	38.00	62.00	31.00	344.00	85.00	110.00	225.00	86.00	235.00
Cs	0.00	5.00	4.00	2.00	4.00	9.00	17.00	4.00	12.00	15.00	13.00	8.00
Cu	7.60	10.90	14.00	13.70	5.80	5.60	5.60	4.00	9.30	6.40	6.90	4.80
Fe ₂ O ₃	3.23	4.42	3.30	3.30	4.51	3.29	3.29	3.54	4.28	4.41	3.02	1.79
Ga	14.00	20.00	17.00	15.00	19.00	9.00	17.00	15.00	15.00	16.00	15.00	11.00
Ge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hg	2.70	2.80	2.70	2.00	2.40	1.50	2.00	2.80	3.70	2.70	2.90	1.90
La	53.00	61.00	53.00	45.00	42.00	39.00	61.00	54.00	60.00	53.00	50.00	52.00
MnO	0.11	0.07	0.08	0.20	0.30	0.15	0.03	0.11	0.15	0.10	0.05	0.01
Mo	1.40	1.10	1.70	1.70	2.00	2.50	3.20	1.60	3.00	2.70	2.70	1.80
Nb	19.00	54.00	42.00	26.00	25.00	42.00	19.00	22.00	19.00	18.00	25.00	24.00
Ni	10.00	7.00	10.00	5.00	9.00	7.00	8.00	8.00	9.00	8.00	5.00	6.00
P ₂ O ₅	0.01	0.02	0.02	0.02	0.02	0.01	0.03	0.02	0.05	0.03	0.02	0.01
Pb	26.00	61.00	62.00	76.00	114.00	111.00	67.00	36.00	53.00	40.00	53.00	49.00
Rb	171.00	122.00	134.00	132.00	158.00	110.00	160.00	165.00	162.00	164.00	143.00	122.00
Sb	13.00	8.00	3.00	2.00	2.00	10.00	4.00	0.00	0.00	0.00	3.00	7.00
Sc	12.00	14.00	13.00	11.00	13.00	13.00	12.00	12.00	17.00	11.00	13.00	11.00
Se	0.70	1.00	0.60	0.30	0.60	0.80	0.70	0.70	0.60	0.60	0.70	0.50
Sn	9.00	13.00	20.00	12.00	16.00	17.00	9.00	10.00	9.00	8.00	7.00	10.00
Sr	24.00	34.00	56.00	26.00	27.00	19.00	28.00	26.00	27.00	27.00	22.00	15.00
Th	19.00	32.00	32.00	38.00	34.00	18.00	23.00	23.00	21.00	35.00	26.00	21.00
TiO ₂	0.82	1.57	1.11	0.61	0.78	1.51	0.96	0.92	0.86	0.94	1.05	0.96
U	6.00	7.00	9.00	6.00	7.00	6.00	8.00	5.00	5.00	6.00	4.00	6.00
V	61.00	83.00	56.00	30.00	53.00	68.00	58.00	58.00	56.00	55.00	57.00	49.00
W	5.00	6.00	5.00	3.00	5.00	5.00	5.00	5.00	3.00	5.00	5.00	3.00
Y	11.00	21.00	17.00	15.00	13.00	11.00	14.00	13.00	13.00	13.00	15.00	15.00
Zn	53.00	78.00	124.00	99.00	168.00	63.00	91.00	57.00	86.00	52.00	67.00	55.00
Zr	143.00	292.00	210.00	156.00	104.00	368.00	318.00	355.00	388.00	364.00	538.00	224.00

Sample	HK2331	HK2332	HK2333	HK2334	HK2335	HK2336	HK2337	HK2338	HK2339	HK2340	HK2341	HK2342
Ag	0.80	0.30	0.60	0.00	0.00	0.60	0.60	0.40	0.50	0.50	0.30	0.20
As	162.00	89.00	50.00	20.00	139.00	10.00	14.00	31.00	47.00	59.00	31.00	30.00
Ba	477.00	683.00	659.00	466.00	266.00	716.00	719.00	719.00	498.00	518.00	627.00	705.00
Bi	10.00	4.00	0.00	0.00	2.00	2.00	0.00	2.00	3.00	7.00	2.00	3.00
CaO	0.15	0.14	0.12	0.08	0.09	0.18	0.23	0.17	0.12	0.17	0.20	0.23
Cd	0.30	0.30	0.00	0.00	0.80	0.30	0.30	0.40	0.20	0.30	0.50	0.60
Ce	26.00	22.00	12.00	8.00	24.00	0.00	34.00	11.00	16.00	23.00	26.00	30.00
Co	3.00	13.00	0.00	0.00	0.00	0.00	4.00	8.00	5.00	9.00	8.00	10.00
Cr	134.00	235.00	160.00	40.00	13.00	63.00	24.00	260.00	216.00	56.00	56.00	123.00
Cs	8.00	8.00	17.00	31.00	25.00	11.00	30.00	12.00	18.00	17.00	6.00	15.00
Cu	8.60	8.00	4.10	0.00	1.50	5.60	1.90	10.70	6.50	5.40	13.00	13.70
Fe ₂ O ₃	2.76	3.55	3.52	2.16	1.85	1.61	3.97	3.75	3.18	4.74	4.51	5.01
Ga	12.00	17.00	20.00	17.00	14.00	11.00	17.00	14.00	11.00	15.00	20.00	18.00
Ge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hg	2.00	2.50	3.90	1.70	1.00	1.30	3.10	2.50	2.30	2.50	2.70	2.90
La	52.00	49.00	49.00	54.00	65.00	35.00	82.00	49.00	42.00	53.00	61.00	70.00
MnO	0.03	0.06	0.00	0.00	0.00	0.04	0.12	0.09	0.05	0.08	0.08	0.16
Mo	3.80	2.10	3.80	2.70	13.40	0.60	1.00	2.10	2.40	0.80	1.40	2.00
Nb	24.00	20.00	21.00	21.00	21.00	13.00	16.00	25.00	14.00	21.00	29.00	28.00
Ni	5.00	8.00	7.00	7.00	3.00	7.00	9.00	14.00	9.00	8.00	14.00	13.00
P ₂ O ₅	0.03	0.01	0.00	0.00	0.01	0.00	0.02	0.02	0.02	0.03	0.03	0.04
Pb	86.00	58.00	42.00	29.00	31.00	25.00	58.00	68.00	28.00	61.00	97.00	133.00
Rb	134.00	159.00	262.00	244.00	112.00	104.00	222.00	165.00	133.00	171.00	180.00	196.00
Sb	8.00	2.00	12.00	11.00	20.00	4.00	1.00	9.00	4.00	3.00	12.00	5.00
Sc	14.00	17.00	10.00	7.00	7.00	6.00	9.00	14.00	12.00	15.00	15.00	17.00
Se	0.60	0.70	0.60	0.40	0.20	0.20	0.40	1.00	0.80	1.10	1.30	1.30
Sn	9.00	10.00	6.00	7.00	10.00	7.00	10.00	10.00	9.00	28.00	23.00	12.00
Sr	21.00	21.00	14.00	12.00	50.00	23.00	22.00	30.00	18.00	20.00	32.00	38.00
Th	23.00	25.00	36.00	36.00	29.00	18.00	39.00	16.00	18.00	18.00	24.00	27.00
TiO ₂	1.01	0.89	0.82	0.78	0.57	0.46	0.66	1.21	0.98	1.33	1.23	1.35
U	6.00	6.00	6.00	7.00	4.00	6.00	8.00	4.00	4.00	6.00	6.00	5.00
V	51.00	63.00	55.00	42.00	25.00	26.00	42.00	79.00	64.00	84.00	97.00	97.00
W	3.00	3.00	4.00	5.00	5.00	4.00	5.00	3.00	4.00	4.00	5.00	5.00
Y	17.00	10.00	2.00	4.00	12.00	13.00	8.00	11.00	6.00	8.00	15.00	17.00
Zn	73.00	73.00	51.00	41.00	30.00	49.00	63.00	61.00	37.00	81.00	108.00	155.00
Zr	588.00	210.00	144.00	120.00	132.00	121.00	115.00	216.00	153.00	169.00	236.00	201.00

Sample	HK2343	HK2344	HK2345	HK2346	HK2347	HK2348	HK2349	HK2350	HK2351	HK2352	HK2353	HK2354
Ag	0.00	0.20	0.40	0.90	0.70	0.90	0.80	0.30	0.00	0.30	0.00	0.00
As	31.00	30.00	31.00	31.00	58.00	86.00	23.00	23.00	21.00	61.00	131.00	8.00
Ba	717.00	723.00	683.00	726.00	451.00	513.00	385.00	532.00	448.00	485.00	508.00	134.00
Bi	1.00	2.00	2.00	5.00	6.00	10.00	6.00	5.00	5.00	10.00	9.00	3.00
CaO	0.25	0.26	0.25	0.14	0.14	0.21	0.12	0.13	0.17	0.18	0.12	0.11
Cd	0.60	0.70	0.50	0.30	0.30	0.40	0.30	0.30	0.30	0.40	0.00	0.00
Ce	32.00	23.00	31.00	26.00	16.00	25.00	11.00	11.00	17.00	21.00	17.00	24.00
Co	8.00	11.00	7.00	10.00	10.00	11.00	0.00	0.00	3.00	6.00	0.00	0.00
Cr	43.00	103.00	72.00	123.00	220.00	87.00	44.00	287.00	63.00	71.00	18.00	7.00
Cs	9.00	5.00	3.00	8.00	2.00	13.00	6.00	4.00	5.00	2.00	7.00	7.00
Cu	16.50	14.90	10.20	16.50	9.30	11.10	5.00	7.50	6.70	11.20	3.50	0.00
Fe ₂ O ₃	5.03	5.37	3.94	4.02	3.95	4.86	2.18	3.23	2.57	4.04	2.47	1.59
Ga	19.00	21.00	15.00	22.00	17.00	16.00	12.00	15.00	13.00	17.00	13.00	16.00
Ge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hg	3.20	3.60	2.80	3.60	2.40	2.70	0.00	0.00	0.00	0.70	0.00	0.00
La	71.00	68.00	71.00	69.00	97.00	52.00	37.00	43.00	47.00	43.00	44.00	33.00
MnO	0.12	0.22	0.14	0.08	0.08	0.10	0.02	0.02	0.03	0.07	0.03	0.17
Mo	1.70	1.80	1.50	1.00	3.90	3.40	1.40	2.50	1.10	2.50	3.10	1.70
Nb	32.00	23.00	33.00	27.00	35.00	32.00	21.00	25.00	24.00	25.00	20.00	30.00
Ni	13.00	15.00	10.00	13.00	14.00	12.00	6.00	14.00	11.00	11.00	4.00	6.00
P ₂ O ₅	0.04	0.04	0.04	0.02	0.02	0.03	0.02	0.02	0.02	0.03	0.01	0.00
Pb	143.00	120.00	179.00	128.00	93.00	96.00	41.00	54.00	48.00	88.00	46.00	60.00
Rb	188.00	200.00	179.00	245.00	126.00	133.00	88.00	116.00	98.00	124.00	136.00	148.00
Sb	8.00	5.00	6.00	2.00	7.00	2.00	5.00	5.00	3.00	8.00	7.00	0.00
Sc	20.00	22.00	17.00	18.00	18.00	17.00	17.00	17.00	15.00	17.00	13.00	10.00
Se	1.30	1.30	1.10	1.20	1.10	1.10	0.70	1.10	0.80	1.10	0.60	0.00
Sn	20.00	19.00	20.00	42.00	13.00	18.00	12.00	5.00	8.00	14.00	8.00	14.00
Sr	37.00	47.00	33.00	22.00	25.00	29.00	20.00	22.00	22.00	26.00	14.00	9.00
Th	26.00	25.00	32.00	32.00	27.00	27.00	17.00	21.00	18.00	23.00	27.00	36.00
TiO ₂	1.43	1.27	1.41	1.18	1.61	1.33	1.16	1.20	1.21	1.27	0.90	0.18
U	7.00	7.00	5.00	8.00	6.00	6.00	5.00	4.00	4.00	5.00	6.00	6.00
V	98.00	101.00	84.00	95.00	85.00	84.00	59.00	84.00	69.00	84.00	53.00	8.00
W	5.00	5.00	5.00	6.00	6.00	6.00	3.00	6.00	4.00	4.00	5.00	4.00
Y	17.00	17.00	16.00	12.00	20.00	13.00	10.00	13.00	11.00	11.00	15.00	16.00
Zn	189.00	197.00	173.00	121.00	67.00	111.00	44.00	42.00	46.00	119.00	39.00	71.00
Zr	319.00	197.00	259.00	235.00	381.00	628.00	235.00	191.00	181.00	246.00	665.00	101.00

Sample	HK2355	HK2356	HK2357	HK2358	HK2359	HK2360	HK2361	HK2362	HK2363	HK2364	HK2365	HK2366
Ag	0.00	0.70	0.60	0.80	0.60	0.70	0.00	0.30	0.30	0.30	0.00	0.60
As	7.00	7.00	9.00	9.00	9.00	9.00	7.00	9.00	9.00	10.00	8.00	10.00
Ba	91.00	169.00	119.00	127.00	139.00	150.00	97.00	189.00	75.00	137.00	145.00	235.00
Bi	3.00	3.00	4.00	0.00	3.00	4.00	2.00	2.00	3.00	2.00	2.00	5.00
CaO	0.12	0.35	0.14	0.16	0.30	0.13	0.09	0.16	0.10	0.13	0.17	0.17
Cd	0.00	0.50	0.00	0.20	0.70	0.20	0.00	0.00	0.00	0.00	0.00	0.60
Ce	33.00	42.00	32.00	27.00	39.00	33.00	27.00	47.00	41.00	37.00	46.00	38.00
Co	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.00
Cr	48.00	15.00	12.00	9.00	13.00	14.00	99.00	118.00	22.00	42.00	12.00	121.00
Cs	5.00	4.00	0.00	8.00	6.00	6.00	8.00	0.00	6.00	1.00	8.00	2.00
Cu	0.00	0.00	0.00	0.00	1.00	0.60	0.00	2.20	0.00	0.00	0.00	15.20
Fe ₂ O ₃	1.36	1.39	1.25	1.39	1.39	1.56	1.07	2.10	2.00	1.75	2.15	2.95
Ga	11.00	13.00	13.00	12.00	12.00	13.00	13.00	19.00	13.00	16.00	17.00	21.00
Ge	0.00	0.00	2.00	0.00	0.00	0.00	0.00	2.00	1.00	1.00	0.00	0.00
Hg	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
La	47.00	97.00	74.00	69.00	44.00	65.00	39.00	71.00	27.00	50.00	63.00	66.00
MnO	0.09	0.20	0.05	0.12	0.06	0.10	0.02	0.28	0.05	0.10	0.19	0.18
Mo	2.30	1.90	1.40	1.20	1.10	2.10	2.00	2.80	2.90	2.10	2.00	2.40
Nb	31.00	33.00	36.00	29.00	34.00	46.00	34.00	33.00	52.00	38.00	42.00	45.00
Ni	5.00	6.00	5.00	5.00	3.00	7.00	5.00	7.00	4.00	6.00	8.00	21.00
P ₂ O ₅	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
Pb	55.00	60.00	54.00	48.00	58.00	46.00	38.00	61.00	45.00	41.00	54.00	58.00
Rb	95.00	120.00	140.00	125.00	95.00	131.00	66.00	135.00	67.00	115.00	114.00	164.00
Sb	3.00	1.00	0.00	0.00	3.00	3.00	3.00	2.00	5.00	0.00	5.00	8.00
Sc	7.00	11.00	6.00	11.00	10.00	9.00	11.00	12.00	9.00	8.00	11.00	15.00
Se	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.50
Sn	5.00	9.00	9.00	12.00	8.00	15.00	16.00	10.00	14.00	17.00	22.00	8.00
Sr	9.00	36.00	10.00	17.00	43.00	15.00	10.00	14.00	7.00	9.00	14.00	37.00
Th	30.00	29.00	31.00	30.00	25.00	36.00	24.00	29.00	37.00	31.00	30.00	34.00
TiO ₂	0.19	0.23	0.21	0.21	0.37	0.34	0.29	0.26	0.37	0.27	0.31	0.47
U	5.00	8.00	4.00	6.00	4.00	7.00	9.00	10.00	7.00	10.00	6.00	8.00
V	9.00	8.00	11.00	10.00	18.00	13.00	14.00	8.00	15.00	13.00	11.00	44.00
W	4.00	4.00	5.00	5.00	4.00	4.00	3.00	5.00	3.00	3.00	3.00	4.00
Y	19.00	20.00	20.00	17.00	16.00	24.00	16.00	24.00	17.00	18.00	21.00	21.00
Zn	55.00	117.00	79.00	76.00	55.00	68.00	53.00	114.00	50.00	76.00	89.00	97.00
Zr	85.00	146.00	191.00	108.00	250.00	278.00	139.00	124.00	317.00	156.00	165.00	238.00

Sample	HK2367	HK2368	HK2369	HK2370	HK2371	HK2372	HK2373	HK2374	HK2375	HK2376	HK2377	HK2378
Ag	0.70	0.70	0.80	0.60	1.70	1.10	1.10	0.70	0.50	0.40	0.50	0.40
As	9.00	9.00	7.00	9.00	9.00	18.00	23.00	2.00	0.00	18.00	12.00	13.00
Ba	143.00	149.00	193.00	81.00	106.00	168.00	233.00	0.00	0.00	133.00	76.00	57.00
Bi	2.00	2.00	4.00	2.00	0.00	5.00	7.00	0.00	0.00	8.00	3.00	3.00
CaO	0.11	0.12	0.20	0.25	0.32	0.43	0.44	0.18	0.19	0.23	0.20	0.27
Cd	0.00	0.00	0.00	0.20	0.20	0.60	1.00	0.00	0.00	0.30	0.20	0.20
Ce	33.00	37.00	49.00	181.00	184.00	180.00	313.00	14.00	0.00	155.00	46.00	67.00
Co	0.00	0.00	0.00	4.00	0.00	7.00	9.00	0.00	0.00	9.00	4.00	0.00
Cr	44.00	170.00	33.00	21.00	12.00	30.00	70.00	16.00	5.00	34.00	64.00	40.00
Cs	0.00	2.00	7.00	0.00	10.00	0.00	8.00	6.00	0.00	0.00	9.00	6.00
Cu	0.00	1.70	0.00	4.10	4.80	10.00	4.00	0.00	0.00	1.70	0.90	0.50
Fe ₂ O ₃	2.20	1.85	1.60	2.40	2.24	4.23	4.43	0.59	0.37	5.39	5.43	3.77
Ga	19.00	17.00	15.00	15.00	15.00	25.00	29.00	3.00	3.00	42.00	48.00	38.00
Ge	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hg	0.00	0.00	0.00	0.00	0.00	0.00	1.90	0.00	0.00	1.10	0.00	0.00
La	39.00	50.00	65.00	62.00	63.00	62.00	106.00	7.00	0.00	54.00	18.00	25.00
MnO	0.11	0.15	0.28	0.11	0.15	0.24	0.07	0.03	0.00	0.04	0.02	0.03
Mo	2.50	2.00	2.50	4.70	4.50	2.20	4.20	3.30	4.10	4.00	8.70	2.80
Nb	44.00	44.00	41.00	52.00	43.00	58.00	63.00	20.00	21.00	75.00	162.00	127.00
Ni	5.00	6.00	5.00	13.00	11.00	28.00	37.00	8.00	7.00	29.00	22.00	28.00
P ₂ O ₅	0.00	0.00	0.00	0.04	0.05	0.17	0.23	0.02	0.01	0.06	0.07	0.15
Pb	40.00	47.00	53.00	58.00	52.00	116.00	143.00	25.00	11.00	82.00	32.00	52.00
Rb	98.00	120.00	132.00	155.00	155.00	283.00	334.00	198.00	173.00	262.00	206.00	364.00
Sb	0.00	3.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00
Sc	12.00	10.00	9.00	8.00	12.00	10.00	13.00	2.00	3.00	12.00	13.00	2.00
Se	0.00	0.00	0.00	0.00	0.00	0.20	0.60	0.00	0.00	0.40	0.40	0.20
Sn	17.00	9.00	10.00	12.00	10.00	22.00	26.00	12.00	3.00	25.00	40.00	27.00
Sr	12.00	14.00	10.00	15.00	17.00	38.00	57.00	5.00	2.00	21.00	14.00	15.00
Th	39.00	31.00	30.00	34.00	33.00	56.00	85.00	20.00	9.00	90.00	100.00	76.00
TiO ₂	0.32	0.27	0.23	0.25	0.19	0.46	0.87	0.04	0.03	0.57	0.49	0.35
U	8.00	7.00	12.00	10.00	9.00	15.00	17.00	4.00	3.00	6.00	9.00	11.00
V	15.00	12.00	13.00	16.00	13.00	27.00	53.00	8.00	6.00	43.00	39.00	28.00
W	4.00	4.00	4.00	6.00	11.00	16.00	17.00	3.00	2.00	8.00	17.00	12.00
Y	18.00	19.00	21.00	45.00	48.00	124.00	119.00	16.00	16.00	72.00	68.00	82.00
Zn	79.00	71.00	79.00	62.00	73.00	60.00	93.00	12.00	6.00	85.00	56.00	51.00
Zr	172.00	177.00	193.00	734.00	442.00	277.00	696.00	70.00	53.00	342.00	437.00	246.00

Sample	HK2379	HK2380	HK2381	HK2382	HK2383	HK2384	HK2385	HK2386	HK2387	HK2388	HK2389	HK2390
Ag	0.60	0.70	0.70	1.10	0.70	0.50	0.70	1.00	1.00	0.90	0.30	0.70
As	75.00	67.00	5.00	19.00	11.00	14.00	19.00	14.00	8.00	8.00	17.00	9.00
Ba	418.00	332.00	92.00	204.00	233.00	133.00	127.00	88.00	27.00	85.00	57.00	53.00
Bi	4.00	4.00	2.00	7.00	0.00	7.00	7.00	6.00	4.00	3.00	4.00	4.00
CaO	0.27	1.03	0.21	0.19	0.20	0.20	0.29	0.33	0.23	0.48	0.25	0.25
Cd	0.80	1.10	0.40	0.80	0.60	0.20	0.40	0.40	0.00	0.60	0.20	0.20
Ce	95.00	452.00	129.00	281.00	288.00	307.00	294.00	260.00	509.00	150.00	109.00	84.00
Co	9.00	28.00	0.00	8.00	13.00	4.00	7.00	0.00	5.00	6.00	7.00	4.00
Cr	12.00	49.00	23.00	32.00	38.00	29.00	22.00	18.00	32.00	19.00	63.00	16.00
Cs	3.00	11.00	3.00	12.00	11.00	13.00	7.00	9.00	18.00	8.00	11.00	6.00
Cu	1.50	3.40	6.30	4.80	20.60	9.90	0.60	3.00	0.70	3.20	2.90	2.80
Fe ₂ O ₃	3.35	9.79	2.31	3.99	4.46	4.36	3.75	2.38	3.38	2.54	3.07	2.59
Ga	11.00	21.00	8.00	26.00	26.00	28.00	25.00	18.00	35.00	28.00	36.00	34.00
Ge	0.00	0.00	0.00	0.00	2.00	2.00	0.00	0.00	2.00	2.00	3.00	5.00
Hg	2.00	2.00	0.00	0.50	0.70	0.00	0.40	0.00	0.20	0.00	0.00	0.00
La	34.00	152.00	45.00	95.00	98.00	104.00	100.00	88.00	171.00	52.00	39.00	30.00
MnO	0.11	0.33	0.05	0.06	0.05	0.09	0.09	0.08	0.03	0.09	0.11	0.09
Mo	4.60	6.00	3.80	2.20	2.80	3.60	2.90	2.00	4.10	3.70	7.10	3.60
Nb	19.00	20.00	22.00	48.00	34.00	35.00	33.00	36.00	58.00	81.00	106.00	103.00
Ni	7.00	17.00	10.00	36.00	12.00	18.00	15.00	16.00	14.00	18.00	18.00	18.00
P ₂ O ₅	0.10	1.53	0.06	0.03	0.05	0.05	0.07	0.05	0.03	0.06	0.03	0.03
Pb	311.00	182.00	57.00	113.00	67.00	94.00	130.00	83.00	52.00	79.00	109.00	77.00
Rb	204.00	154.00	104.00	283.00	280.00	242.00	220.00	252.00	182.00	239.00	268.00	287.00
Sb	3.00	0.00	2.00	5.00	1.00	2.00	0.00	0.00	1.00	2.00	2.00	0.00
Sc	9.00	15.00	6.00	6.00	10.00	16.00	12.00	8.00	15.00	13.00	12.00	12.00
Se	0.50	0.40	0.30	0.40	0.60	0.40	0.20	0.00	0.00	0.00	0.20	0.20
Sn	22.00	29.00	107.00	88.00	37.00	27.00	19.00	24.00	17.00	14.00	14.00	13.00
Sr	50.00	65.00	28.00	47.00	35.00	17.00	27.00	25.00	12.00	38.00	16.00	15.00
Th	24.00	37.00	12.00	69.00	59.00	68.00	53.00	41.00	77.00	60.00	75.00	67.00
TiO ₂	0.57	0.51	0.49	0.57	0.65	0.53	0.38	0.32	0.33	0.29	0.25	0.22
U	6.00	8.00	4.00	17.00	14.00	11.00	5.00	9.00	10.00	9.00	7.00	13.00
V	46.00	38.00	31.00	40.00	53.00	43.00	28.00	19.00	14.00	23.00	26.00	25.00
W	6.00	9.00	13.00	44.00	13.00	20.00	17.00	12.00	10.00	11.00	4.00	6.00
Y	24.00	42.00	31.00	244.00	38.00	44.00	59.00	56.00	64.00	74.00	70.00	74.00
Zn	145.00	304.00	31.00	56.00	56.00	68.00	77.00	81.00	48.00	81.00	62.00	51.00
Zr	594.00	665.00	914.00	2262.00	697.00	510.00	446.00	778.00	1032.00	447.00	298.00	510.00

Sample	HK2391	HK2392	HK2393	HK2394	HK2395	HK2396	HK2397	HK2398	HK2399	HK2400	HK2401	HK2402
Ag	0.30	1.00	1.10	0.80	0.80	0.00	0.60	0.80	0.60	1.30	0.40	0.40
As	10.00	10.00	7.00	11.00	9.00	7.00	9.00	11.00	12.00	6.00	8.00	3.00
Ba	27.00	42.00	160.00	98.00	114.00	174.00	81.00	44.00	35.00	195.00	32.00	40.00
Bi	0.00	2.00	4.00	2.00	3.00	0.00	2.00	4.00	3.00	2.00	1.00	4.00
CaO	0.25	0.30	0.58	0.38	0.37	0.29	0.36	0.31	0.31	0.47	0.29	0.25
Cd	0.00	0.30	0.30	0.40	0.40	0.50	0.30	0.20	0.20	0.60	0.20	0.20
Ce	80.00	123.00	139.00	120.00	98.00	92.00	63.00	95.00	63.00	87.00	105.00	72.00
Co	3.00	5.00	7.00	3.00	6.00	0.00	4.00	3.00	4.00	7.00	4.00	7.00
Cr	40.00	29.00	201.00	41.00	63.00	22.00	21.00	44.00	15.00	16.00	97.00	10.00
Cs	3.00	2.00	6.00	3.00	0.00	5.00	2.00	5.00	1.00	5.00	3.00	0.00
Cu	0.00	5.50	3.10	1.10	3.30	2.60	0.70	4.70	3.10	0.00	4.70	1.50
Fe ₂ O ₃	3.06	4.89	3.60	1.32	2.71	1.88	1.36	2.21	1.53	2.87	2.28	1.89
Ga	37.00	39.00	26.00	23.00	28.00	15.00	22.00	30.00	26.00	19.00	26.00	20.00
Ge	2.00	0.00	0.00	3.00	3.00	2.00	2.00	2.00	3.00	0.00	0.00	2.00
Hg	0.00	1.20	1.80	0.00	0.00	0.00	0.20	0.00	0.00	0.50	0.00	0.00
La	29.00	43.00	48.00	42.00	35.00	33.00	23.00	34.00	23.00	31.00	37.00	26.00
MnO	0.05	0.10	0.16	0.18	0.22	0.11	0.21	0.19	0.21	0.15	0.09	0.19
Mo	3.60	5.10	5.80	2.90	2.70	1.90	1.30	3.80	5.00	2.40	5.70	2.60
Nb	111.00	105.00	79.00	59.00	96.00	61.00	70.00	102.00	83.00	72.00	71.00	53.00
Ni	21.00	18.00	33.00	23.00	35.00	14.00	29.00	34.00	25.00	22.00	16.00	19.00
P ₂ O ₅	0.04	0.08	0.08	0.07	0.04	0.06	0.07	0.06	0.05	0.06	0.06	0.05
Pb	72.00	92.00	78.00	100.00	82.00	48.00	73.00	82.00	65.00	57.00	78.00	80.00
Rb	222.00	134.00	209.00	429.00	331.00	253.00	419.00	465.00	425.00	330.00	317.00	408.00
Sb	5.00	0.00	0.00	1.00	0.00	1.00	0.00	0.00	7.00	4.00	0.00	0.00
Sc	10.00	13.00	11.00	10.00	9.00	8.00	9.00	16.00	10.00	14.00	15.00	11.00
Se	0.00	0.20	0.30	0.00	0.00	0.20	0.00	0.00	0.00	0.40	0.20	0.20
Sn	22.00	15.00	144.00	8.00	9.00	6.00	10.00	15.00	19.00	13.00	13.00	14.00
Sr	8.00	19.00	20.00	28.00	26.00	32.00	24.00	16.00	17.00	40.00	15.00	14.00
Th	80.00	90.00	67.00	47.00	73.00	46.00	38.00	66.00	44.00	39.00	41.00	42.00
TiO ₂	0.19	0.25	0.40	0.15	0.20	0.42	0.25	0.23	0.14	0.59	0.29	0.26
U	11.00	9.00	11.00	12.00	15.00	10.00	13.00	11.00	12.00	16.00	10.00	7.00
V	16.00	25.00	34.00	15.00	16.00	28.00	15.00	22.00	15.00	41.00	28.00	26.00
W	8.00	8.00	10.00	8.00	20.00	9.00	16.00	21.00	17.00	10.00	11.00	7.00
Y	96.00	72.00	98.00	78.00	215.00	57.00	104.00	158.00	98.00	82.00	47.00	48.00
Zn	83.00	91.00	119.00	50.00	72.00	44.00	92.00	65.00	64.00	63.00	48.00	38.00
Zr	509.00	486.00	619.00	654.00	475.00	675.00	419.00	375.00	440.00	643.00	254.00	350.00

Sample	HK2403	HK2404	HK2405	HK2406	HK2407	HK2408	HK2409	HK2410	HK2411	HK2412	HK2413	HK2414
Ag	0.50	0.20	0.00	0.80	1.20	0.60	1.00	1.00	0.90	0.00	0.60	1.10
As	5.00	9.00	10.00	6.00	14.00	18.00	15.00	13.00	7.00	8.00	8.00	14.00
Ba	96.00	65.00	69.00	124.00	116.00	100.00	69.00	142.00	37.00	0.00	95.00	42.00
Bi	2.00	3.00	2.00	3.00	5.00	4.00	4.00	2.00	4.00	4.00	2.00	2.00
CaO	0.31	0.31	0.34	0.31	0.27	0.51	0.32	0.48	0.28	0.23	0.35	0.20
Cd	0.30	0.30	0.30	0.30	0.40	0.30	0.20	0.50	0.00	0.00	0.40	0.00
Ce	179.00	73.00	99.00	115.00	356.00	150.00	89.00	97.00	150.00	85.00	92.00	109.00
Co	4.00	4.00	4.00	5.00	9.00	10.00	4.00	7.00	3.00	4.00	5.00	4.00
Cr	37.00	17.00	8.00	13.00	46.00	37.00	26.00	54.00	15.00	113.00	15.00	28.00
Cs	3.00	2.00	5.00	0.00	6.00	0.00	2.00	2.00	6.00	0.00	0.00	0.00
Cu	2.70	2.50	4.20	6.90	0.00	3.20	4.20	10.40	0.00	0.00	88.40	3.50
Fe ₂ O ₃	1.88	1.30	1.38	2.02	6.67	4.78	3.29	3.15	2.07	2.25	2.38	5.06
Ga	25.00	24.00	22.00	11.00	30.00	39.00	31.00	24.00	15.00	29.00	27.00	41.00
Ge	1.00	2.00	2.00	0.00	1.00	0.00	3.00	0.00	0.00	2.00	3.00	0.00
Hg	0.00	0.00	0.00	0.20	1.00	1.50	2.30	0.00	0.00	0.00	0.00	0.00
La	62.00	27.00	35.00	41.00	120.00	52.00	32.00	35.00	52.00	31.00	33.00	39.00
MnO	0.17	0.20	0.24	0.04	0.15	0.17	0.14	0.16	0.07	0.08	0.21	0.04
Mo	3.00	3.80	2.40	29.60	4.00	5.60	5.90	2.90	2.80	2.90	2.80	2.50
Nb	74.00	70.00	81.00	50.00	73.00	118.00	100.00	84.00	39.00	119.00	85.00	107.00
Ni	25.00	22.00	28.00	13.00	15.00	27.00	23.00	22.00	9.00	20.00	27.00	13.00
P ₂ O ₅	0.07	0.05	0.06	0.13	0.12	0.17	0.09	0.13	0.03	0.04	0.04	0.04
Pb	76.00	83.00	108.00	67.00	99.00	149.00	129.00	93.00	31.00	52.00	78.00	56.00
Rb	367.00	412.00	452.00	231.00	154.00	132.00	243.00	220.00	82.00	174.00	345.00	80.00
Sb	2.00	5.00	0.00	1.00	5.00	2.00	0.00	2.00	0.00	4.00	3.00	5.00
Sc	6.00	11.00	6.00	11.00	26.00	19.00	13.00	12.00	11.00	13.00	8.00	12.00
Se	0.00	0.00	0.00	0.00	0.70	0.30	0.20	0.20	0.00	0.00	0.00	0.30
Sn	12.00	9.00	16.00	11.00	12.00	25.00	31.00	14.00	7.00	16.00	11.00	13.00
Sr	22.00	19.00	20.00	19.00	25.00	24.00	17.00	31.00	9.00	8.00	28.00	9.00
Th	50.00	40.00	44.00	36.00	58.00	87.00	66.00	51.00	34.00	77.00	71.00	91.00
TiO ₂	0.26	0.22	0.19	0.42	1.06	0.39	0.33	0.40	0.21	0.18	0.19	0.46
U	6.00	12.00	16.00	9.00	15.00	13.00	11.00	11.00	6.00	11.00	17.00	8.00
V	22.00	16.00	16.00	21.00	59.00	30.00	26.00	25.00	11.00	19.00	18.00	34.00
W	10.00	7.00	11.00	5.00	8.00	12.00	11.00	6.00	5.00	14.00	13.00	10.00
Y	126.00	74.00	120.00	48.00	47.00	102.00	82.00	80.00	42.00	125.00	158.00	43.00
Zn	55.00	57.00	64.00	66.00	67.00	153.00	115.00	105.00	48.00	43.00	61.00	44.00
Zr	413.00	502.00	469.00	1275.00	1147.00	323.00	416.00	420.00	488.00	402.00	562.00	465.00

Sample	HK2415	HK2416	HK2417	HK2418	HK2419	HK2420	HK2421	HK2422	HK2423	HK2424	HK2425	HK2426
Ag	0.60	0.50	0.00	0.00	1.00	0.60	1.20	1.20	1.30	1.00	1.10	1.00
As	2.00	8.00	4.00	7.00	52.00	51.00	50.00	54.00	67.00	28.00	46.00	27.00
Ba	32.00	55.00	47.00	43.00	442.00	420.00	436.00	469.00	476.00	235.00	412.00	312.00
Bi	1.00	7.00	2.00	0.00	3.00	2.00	4.00	1.00	0.00	2.00	1.00	3.00
CaO	0.23	0.21	0.23	0.24	0.40	0.37	0.41	0.49	0.41	0.25	0.35	0.31
Cd	0.00	0.00	0.00	0.00	0.40	0.50	0.60	0.50	0.50	0.30	0.40	0.30
Ce	43.00	240.00	219.00	89.00	139.00	150.00	138.00	132.00	148.00	145.00	150.00	169.00
Co	3.00	3.00	0.00	0.00	12.00	9.00	10.00	8.00	7.00	5.00	10.00	8.00
Cr	25.00	66.00	73.00	83.00	88.00	37.00	61.00	42.00	64.00	95.00	93.00	123.00
Cs	4.00	5.00	12.00	10.00	15.00	15.00	16.00	17.00	15.00	14.00	2.00	13.00
Cu	2.00	2.50	0.20	0.00	11.90	2.70	0.00	14.40	0.00	2.30	3.20	5.30
Fe ₂ O ₃	2.00	2.94	2.33	3.66	5.22	4.79	5.17	5.32	5.92	3.52	5.30	3.75
Ga	14.00	16.00	16.00	17.00	20.00	15.00	19.00	20.00	18.00	15.00	22.00	15.00
Ge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hg	0.00	0.00	0.00	0.00	0.80	0.00	0.00	0.00	0.20	0.00	0.20	0.00
La	17.00	82.00	75.00	32.00	48.00	52.00	48.00	46.00	51.00	50.00	52.00	58.00
MnO	0.02	0.04	0.08	0.05	0.16	0.07	0.13	0.12	0.11	0.05	0.13	0.08
Mo	2.30	2.40	3.30	2.80	2.40	2.70	2.90	3.50	2.50	3.30	8.30	3.20
Nb	46.00	43.00	43.00	36.00	30.00	30.00	28.00	26.00	23.00	33.00	27.00	37.00
Ni	8.00	11.00	12.00	8.00	18.00	15.00	15.00	17.00	16.00	10.00	15.00	15.00
P ₂ O ₅	0.02	0.04	0.03	0.03	0.14	0.17	0.14	0.17	0.18	0.07	0.10	0.10
Pb	18.00	36.00	38.00	30.00	68.00	62.00	56.00	55.00	72.00	56.00	114.00	77.00
Rb	90.00	78.00	110.00	91.00	230.00	211.00	231.00	234.00	235.00	165.00	224.00	187.00
Sb	2.00	5.00	0.00	0.00	2.00	6.00	3.00	0.00	6.00	7.00	0.00	5.00
Sc	9.00	11.00	9.00	11.00	10.00	10.00	14.00	14.00	13.00	13.00	10.00	8.00
Se	0.00	0.00	0.00	0.00	0.80	0.70	0.80	0.80	0.80	0.70	0.60	0.60
Sn	10.00	8.00	15.00	16.00	13.00	8.00	9.00	9.00	9.00	5.00	9.00	11.00
Sr	7.00	9.00	9.00	7.00	26.00	31.00	35.00	34.00	33.00	21.00	27.00	24.00
Th	31.00	30.00	34.00	40.00	34.00	41.00	35.00	39.00	37.00	37.00	49.00	40.00
TiO ₂	0.21	0.29	0.22	0.43	0.86	0.90	0.87	0.82	0.81	1.06	0.74	0.91
U	5.00	4.00	7.00	6.00	9.00	9.00	9.00	7.00	8.00	5.00	7.00	7.00
V	9.00	20.00	14.00	17.00	66.00	58.00	65.00	64.00	64.00	60.00	51.00	54.00
W	8.00	10.00	6.00	8.00	13.00	11.00	7.00	12.00	20.00	15.00	8.00	16.00
Y	42.00	47.00	55.00	39.00	38.00	41.00	40.00	37.00	39.00	36.00	32.00	41.00
Zn	49.00	65.00	66.00	60.00	112.00	96.00	101.00	102.00	99.00	61.00	94.00	74.00
Zr	609.00	375.00	287.00	636.00	503.00	890.00	659.00	643.00	423.00	1110.00	403.00	1624.00

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MAJOR GEOTECHNICAL ENGINEERING OFFICE PUBLICATIONS

土力工程處之主要刊物

GEOTECHNICAL MANUALS

Geotechnical Manual for Slopes, 2nd Edition (1984), 300 p. (English Version), (Reprinted, 2000).

斜坡岩土工程手冊(1998)，308頁(1984年英文版的中文譯本)。

Highway Slope Manual (2000), 114 p.

GEOGUIDES

Geoguide 1 Guide to Retaining Wall Design, 2nd Edition (1993), 258 p. (Reprinted, 2007).

Geoguide 2 Guide to Site Investigation (1987), 359 p. (Reprinted, 2000).

Geoguide 3 Guide to Rock and Soil Descriptions (1988), 186 p. (Reprinted, 2000).

Geoguide 4 Guide to Cavern Engineering (1992), 148 p. (Reprinted, 1998).

Geoguide 5 Guide to Slope Maintenance, 3rd Edition (2003), 132 p. (English Version).

岩土指南第五冊 斜坡維修指南，第三版(2003)，120頁(中文版)。

Geoguide 6 Guide to Reinforced Fill Structure and Slope Design (2002), 236 p.

Geoguide 7 Guide to Soil Nail Design and Construction (2008), 97 p.

GEOSPECS

Geospec 1 Model Specification for Prestressed Ground Anchors, 2nd Edition (1989), 164 p. (Reprinted, 1997).

Geospec 3 Model Specification for Soil Testing (2001), 340 p.

GEO PUBLICATIONS

GCO Publication No. 1/90 Review of Design Methods for Excavations (1990), 187 p. (Reprinted, 2002).

GEO Publication No. 1/93 Review of Granular and Geotextile Filters (1993), 141 p.

GEO Publication No. 1/2000 Technical Guidelines on Landscape Treatment and Bio-engineering for Man-made Slopes and Retaining Walls (2000), 146 p.

GEO Publication No. 1/2006 Foundation Design and Construction (2006), 376 p.

GEO Publication No. 1/2007 Engineering Geological Practice in Hong Kong (2007), 278 p.

GEOLOGICAL PUBLICATIONS

The Quaternary Geology of Hong Kong, by J.A. Fyfe, R. Shaw, S.D.G. Campbell, K.W. Lai & P.A. Kirk (2000), 210 p. plus 6 maps.

The Pre-Quaternary Geology of Hong Kong, by R.J. Sewell, S.D.G. Campbell, C.J.N. Fletcher, K.W. Lai & P.A. Kirk (2000), 181 p. plus 4 maps.

TECHNICAL GUIDANCE NOTES

TGN 1 Technical Guidance Documents