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INTRODUCTION

Analytical data for 58 rock and 41 stream-sediment samples from the Craig B-5, 1:63,360-scale quadrangle are presented in this report, together with a statistical treatment of the data. The samples were collected in 1969 as part of the Heavy Metals Program of the U.S. Geological Survey.

The most comprehensive discussion of the geology of the study area is a report by A. F. Buddington and Theodore Chapin (1929). Known metalliferous lodes of the area are described and additional references to specific areas are given by Berg and Cobb (1967). Additional data is given in reports by Condon (1961), Smith (1914), and Wright and Wright (1908). Supplemental publications are being prepared on the general geology and mineral occurrences of the study area.

Procedures and treatment of data

Standard procedures were followed in the collection and preparation of samples.

Rock samples are primarily grab samples from mineral occurrences and outcrops. They were chosen for analysis to provide data on background, because they were in the area of mineral occurrences or stream-sediment anomalies, because they were strongly iron stained, or contained visible sulfides.

Stream-sediment samples were generally collected from the active stream channel; where this was not possible, samples were collected from bank or terrace deposits adjacent to the channel.

Rock samples were crushed and pulverized and the minus 80 mesh fraction analyzed. Stream-sediment samples were dried, sieved, and the minus 80 mesh fraction analyzed. The minus 80 mesh fractions of the

samples were analyzed for 30 elements by the six-step semiquantitative spectrographic method and for gold by the atomic absorption method.[1/]

The spectrographic analyses were reported in percentage (pct) or parts per million (ppm) to the nearest number in the series 1.0, 0.7, 0.5, 0.3, 0.2, 0.15, 0.1, etc. The precision of a reported value is approximately plus 100 percent or minus 50 percent. Analyses for gold by the atomic absorption method are accurate to ± 100 percent. Minimum limits of determination for each element are given on page 5. Semiquantitative spectrographic analyses were done by K. J. Curry and atomic absorption analyses were done by R. L. Miller, R. B. Tripp, H. D. King, and A. L. Meier.

Locations of the rock and stream-sediment samples are shown on Plate 1. Rock sample descriptions are given in table 1 and rock sample analyses are tabulated in table 2 and stream-sediment analyses are tabulated in table 3.

The results of the analyses of the rock and stream-sediment analyses have been processed by means of a computer program known as GEOSUM and are presented in tables 2 and 3. The GEOSUM program is designed primarily for summarizing and tabulating geochemical data--especially data from semiquantitative spectrographic analyses (commonly referred to as six-step spectrographic analyses) by the laboratories of the U.S. Geological Survey.

The program output consists of: (a) a tabulation of the data, (b) histograms and cumulative frequency distributions for all elements except tungsten, and (c) a statistical summary which includes geometric means and geometric deviations.

[1/] Analyses for 29 elements by semiquantitative analyses and for gold by atomic absorption are given in the tables. Semiquantitative analyses for gold are omitted.

Table 1.--Description of rock, vein, and altered zone samples. (All samples are of representative material.) Sample localities are shown by sample number plotted on the accompanying map, Plate 1.

Sample No.	Lab. No.	Sample Description
1	ACL-320	Siliceous graywacke
2	-325	Argillite with minor pyrite
3	-326	Quartz vein
3	-327	Argillite
3	-328	Quartz-chalcopyrite pod
4	-329	Argillite
5	-330	Pyritized argillite
5	-331	Pyritized argillite
5	-332	Pyritized argillite
5	-333	Pyritized argillite
5	-334	Pyritized argillite
6	-335	Pyritized argillite
7	ACE-651	Quartz diorite with pyrite
7	-652	Hornfels with pyrite
8	ACL-323	Monzonite with pyrite
8	-324	Monzonite with pyrite
9	-347	Quartz diorite
10	-345	Quartz diorite
11	-346	Andesite
12	-322	Monzonite
13	ACE-949	Volcanic breccia
13	-950	Volcanic breccia
14	ACL-458	Argillite with pyrite
15	-457	Argillite
16	-456	Argillite with quartz veins
17	-454	Argillite with pyrite quartz vein
17	-455	Argillite with pyrite quartz vein
18	-453	Quartz veined argillite
19	-452	Limestone
20	-460	Quartz monzonite
20	-461	Quartz vein
21	-462	Iron-stained quartz monzonite
22	-463	Aplite dike
22	-464	Greenstone
22	-465	Quartz monzonite
23	-466	Quartz monzonite
24	-474	Altered granite
24	-475	Tactite
24	-476	Silicified granite
24	ACL-477	Hornfelsed argillite

Table 1.--Description of rock, vein, and altered zone samples. (All samples are of representative material.) Sample localities are shown by sample number plotted on the accompanying map, Plate 1 .--Continued

Sample No.	Lab. No.	Sample Description
25	ACL-484	Quartz pyrite veinlet
26	-568	Iron-stained argillite
26	-569	Iron-stained argillite
26	-570	Limonite
26	-571	Iron-stained argillite
26	-572	Altered monzonite
27	-617	Pyrrhotite rich quartzite
27	-618	Aplite dike
27	-619	Quartzite with pyrite-pyrrhotite and chalcopyrite
27	-573	Aplite dike
28	-574	Pyritized black argillite
29	-620	Pyrite argillite
30	-575	Aplite dike
30	-576	Quartz vein with sulfides
30	-577	Iron-stained argillite
31	-621	Phyllite with pyrite and minor chalcopyrite
32	-485	Tactite with pyrrhotite
32	-486	Pyrrhotite and pyrite

Explanation of Tables 2 and 3

Analytical results from rock and stream-sediment samples are given in Tables 2 and 3 as analytical values such as 7.0000 ppm, 10.0000 percent, etc., or as qualified values expressed as a letter. These letter codes are N = not detected, L = less than specified limit of detection, G = greater than value shown, B = no data, H = interference. The term T = trace, but does not occur in these data. Note that the right-most zero digits for each analytical value may or may not be significant. The specified limits of detection are as follows:

Specified limits of detection

FE PCT	MG PCT	CA PCT	TI PCT	MN PPM	AG PPM
0.05000	0.02000	0.05000	0.00200	20.00000	0.10000
AS PPM	AU PPM	B PPM	BA PPM	BE PPM	BI PPM
0.20000	0.02000	10.00000	20.00000	1.00000	10.00000
CO PPM	CR PPM	CU PPM	LA PPM	MO PPM	NB PPM
5.00000	5.00000	2.00000	20.00000	2.00000	10.00000
NI PPM	PB PPM	SB PPM	SC PPM	SN PPM	SR PPM
2.00000	10.00000	0.50000	5.00000	10.00000	50.00000
V PPM	W PPM	Y PPM	ZN PPM	ZR PPM	
5.00000	50.00000	5.00000	25.00000	10.00000	

Semiquantitative spectrographic analyses by the U.S. Geological Survey are reported as geometric midpoints (1.0, 0.7, 0.5, 0.3, 0.2, 0.15, 0.1, etc.) of geometric backets having the boundaries 1.2, 0.83, 0.56, 0.38, 0.26, 0.18, 0.12, 0.083, etc. The frequency distributions and histograms are on logarithmic scales and are computed using these brackets as class intervals, for example:

Reported value (ppm)	Limits	
1.0	.83	1.2
1.5	1.2	1.8
2.0	1.8	2.6
3.0	2.6	3.8
5.0	3.8	5.6
7.0	5.6	8.3
10 0	8.3	12.0

On the histograms decimal numbers are shown as powers of 10, for example:

7.0E-01 means 7.0×10^{-1} or 0.7

7.0E 00 means 7.0×10^{0} or 7.0

7.0E 01 means 7.0×10^{1} or 70.0

7.0E 02 means 7.0×10^{2} or 700.0

7.0E 03 means 7.0×10^{3} or 7,000.0

The histograms are constructed of X's, each of which represents 1 percent of the total number (309) of samples.

The histograms and the statistics given below them are derived only from data values within the ranges of analytical determination ("analytical values"). The histograms are, therefore, incomplete, and the statistics are biased if data values qualified with N, L, C, T, or H codes are present. (See the histogram and statistics below it for tin, which are calculated from only one sample.) Statistical estimates that are unbiased in this regard are given at the end of Table 1. The geometric means is the antilogarithm of the arithmetic mean of the logs of the analyses and an estimate of "central tendency," or of a characteristic value, of a frequency distribution that is approximately symmetrical on a log scale, and is therefore useful for characterizing many geochemical distributions. The geometric mean is not an estimate of geochemical abundance. The geometric deviation is the antilogarithm of the standard deviation of the logs of the analyses. See USGS Professional Paper 574-B for further discussion and USGS Bulletin 1147E, p. 20-23, for further discussion and explanation of geometric deviation.

In the computations performed to produce the statistical summary at the end of Tables 2 and 3 all elements are ignored where one or more of the unqualified data values is less than the analytical limit of detection specified on input or where any data values are qualified with the G (greater than) code. Data values qualified with B or H are not used in the computations. Where none of the data values for an element are qualified the mean and deviation should be the same as those given in the preceding section. Where data are qualified with the codes N, L, or T, the estimates of geometric mean and deviation are based on a method by A. J. Cohen for treating censored distributions. The application of this method of geochemical problems is described in USGS Professional Paper 574-B. The estimates are unbiased in a strict sense only where the data are derived from a lognormal parent population, but experiments have shown that large departures from this requirement may not greatly invalidate the results. Acceptance and use of the estimates, however, is the responsibility of the individual.

Selected References

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Smith, P. S., 1914, Lode mining in the Ketchikan region, Alaska in Mineral resources of Alaska: U.S. Geol. Survey Bull. 592, p. 75-84.

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TABLE 2. CRAIG B-5 ROCK SAMPLES

MAP NUMBER	SAMPLE	FE PCT	MG PCT	CA PCT	TI PCT	MN PPM	AG PPM	AS PPM	AU PPM	B PPM	BA PPM
1	ACL320	2.0000	1.0000	0.7000	0.1500	300.0000	0.0 N	0.0 N	0.0 N	30.0000	700.0000
2	ACL325	3.0000	1.5000	0.7000	0.3000	1500.0000	0.0 N	0.0 N	0.0 N	30.0000	150.0000
3	ACL326	3.0000	0.7000	0.7000	0.2000	500.0000	0.0 N	0.0 N	0.0 N	0.0 L	300.0000
3	ACL327	10.0000	3.0000	0.7000	0.7000	1500.0000	0.0 N	0.0 N	0.0 N	30.0000	700.0000
3	ACL328	15.0000	2.0000	1.0000	0.7000	1500.0000	0.5000	0.0 N	0.0 N	50.0000	200.0000
4	ACL329	7.0000	3.0000	5.0000	0.7000	1000.0000	0.0 N	0.0 N	0.0 N	0.0 L	300.0000
5	ACL330	5.0000	0.7000	2.0000	0.5000	500.0000	0.0 L	0.0 N	0.0 N	20.0000	700.0000
5	ACL331	7.0000	1.0000	1.5000	0.7000	700.0000	0.0 N	0.0 N	0.0 N	15.0000	300.0000
5	ACL332	3.0000	1.0000	3.0000	0.3000	700.0000	0.0 N	0.0 N	0.0 N	0.0 N	300.0000
5	ACL333	3.0000	1.5000	2.0000	0.2000	500.0000	0.0 N	0.0 N	0.0 N	0.0 N	200.0000
5	ACL334	3.0000	1.5000	0.7000	0.3000	700.0000	0.0 N	0.0 N	0.0 N	30.0000	700.0000
6	ACL335	3.0000	0.7000	1.0000	0.1500	1500.0000	0.0 N	0.0 N	0.0 N	0.0 N	300.0000
7	ACE651	7.0000	3.0000	5.0000	0.7000	1000.0000	0.0 N	0.0 N	0.0 N	0.0 L	150.0000
7	ACE652	15.0000	3.0000	3.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0 N	0.0 L	300.0000
8	ACL323	3.0000	1.5000	3.0000	0.3000	700.0000	0.0 L	0.0 N	0.0 N	0.0 N	150.0000
8	ACL324	3.0000	1.5000	3.0000	0.3000	500.0000	0.0 N	0.0 N	0.0 N	0.0 N	300.0000
9	ACL347	15.0000	2.0000	5.0000	0.3000	1500.0000	0.0 N	0.0 N	0.0 N	0.0 N	300.0000
10	ACL345	5.0000	2.0000	5.0000	0.3000	500.0000	0.0 N	0.0 N	0.0 N	0.0 N	150.0000
11	ACL346	10.0000	5.0000	5.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0 N	0.0 L	300.0000
12	ACL322	1.5000	0.7000	2.0000	0.1500	500.0000	0.0 N	0.0 N	0.0 N	0.0 N	150.0000
13	ACE949	15.0000	3.0000	5.0000	0.5000	1500.0000	0.0 N	0.0 N	0.0 N	70.0000	0.0 L
13	ACE950	10.0000	3.0000	7.0000	0.5000	1000.0000	0.0 N	0.0 N	0.0 N	0.0 N	70.0000
14	ACL458	3.0000	0.7000	0.1500	0.5000	100.0000	0.0 L	0.0 N	0.0 N	70.0000	5000.0000
15	ACL457	5.0000	1.5000	0.7000	0.7000	300.0000	0.0 L	0.0 N	0.0 N	30.0000	300.0000
16	ACL456	0.0 L	1.0000	20.0000G	0.0300	70.0000	0.0 N	0.0 N	0.0 N	0.0 N	0.0 L
17	ACL454	3.0000	1.5000	0.7000	0.1000	300.0000	0.0 N	0.0 N	0.0 N	70.0000	2000.0000
17	ACL455	15.0000	7.0000	7.0000	1.0000	1500.0000	0.7000	0.0 N	0.0 N	0.0 L	700.0000
18	ACL453	7.0000	2.0000	3.0000	0.5000	1500.0000	0.0 N	0.0 N	0.0 N	30.0000	1500.0000
19	ACL452	0.0 L	0.7000	20.0000G	0.0300	70.0000	0.0 N	0.0 N	0.0 N	0.0 N	150.0000
20	ACL460	3.0000	0.7000	1.5000	0.3000	1000.0000	0.0 N	0.0 N	0.0 N	0.0 N	300.0000
20	ACL461	0.5000	0.0700	0.7000	0.0700	100.0000	0.0 N	0.0 N	0.0 N	0.0 N	100.0000
21	ACL462	1.5000	0.5000	1.5000	0.1500	500.0000	0.0 N	0.0 N	0.0 N	0.0 N	200.0000
22	ACL463	0.7000	0.1500	1.0000	0.0500	150.0000	0.0 N	0.0 N	0.0 N	0.0 L	300.0000
22	ACL464	20.0000	0.7000	15.0000	0.1000	5000.0000G	0.0 N	0.0 N	0.0 N	15.0000	0.0 L
22	ACL465	1.5000	0.7000	2.0000	0.1500	1000.0000	0.0 N	0.0 N	0.0 N	0.0 N	150.0000
23	ACL466	1.5000	0.3000	1.5000	0.1500	300.0000	0.0 N	0.0 N	0.0 N	0.0 N	300.0000
24	ACL474	0.7000	0.1000	0.7000	0.0500	300.0000	0.0 N	0.0 N	0.0 N	0.0 N	150.0000
24	ACL475	20.0000	0.3000	15.0000	0.1500	5000.0000G	0.0 N	0.0 N	0.0 N	10.0000	0.0 L
24	ACL476	1.5000	0.5000	1.5000	0.1000	700.0000	0.0 N	0.0 N	0.0 N	0.0 N	300.0000
24	ACL477	7.0000	1.5000	0.7000	0.3000	300.0000	0.5000	0.0 N	0.0 N	0.0 N	2000.0000
25	ACL484	10.0000	0.1500	0.1000	0.0300	200.0000	2.0000	0.0 N	0.0 N	0.0 L	150.0000
26	ACL568	3.0000	0.5000	0.5000	0.0300	70.0000	0.0 N	0.0 N	0.0 N	0.0 N	100.0000
26	ACL569	3.0000	2.0000	10.0000	0.3000	500.0000	0.0 L	0.0 N	0.0 N	0.0 N	2000.0000
26	ACL570	20.0000	0.3000	7.0000	0.1000	1000.0000	0.0 N	0.0 N	0.0 N	0.0 L	5000.0000
26	ACL571	10.0000	3.0000	7.0000	0.7000	1000.0000	0.0 N	0.0 N	0.0 N	10.0000	5000.0000G
26	ACL572	3.0000	2.0000	3.0000	0.3000	500.0000	0.0 N	0.0 N	0.0 N	0.0 N	300.0000
27	ACL617	2.0000	1.5000	1.5000	0.1500	200.0000	0.0 N	0.0 N	0.0 N	0.0 N	1000.0000
27	ACL618	1.5000	1.0000	2.0000	0.1500	100.0000	0.0 N	0.0 N	0.0 N	0.0 N	500.0000
27	ACL619	20.0000G	0.7000	1.0000	0.0700	300.0000	1.5000	0.0 N	0.0 N	15.0000	150.0000
27	ACL573	2.0000	1.5000	0.3000	0.3000	300.0000	0.0 N	0.0 N	0.0 N	0.0 N	300.0000

CRAIG B-5 ROCK SAMPLES

	SAMPLE	BE PPM	BI PPM	CD PPM	CO PPM	CR PPM	CU PPM	LA PPM	MO PPM	NB PPM	NI PPM
1	ACL320	0.0 N	0.0 N	0.0 N	5.0000	15.0000	10.0000	0.0 N	0.0 N	0.0 L	10.0000
2	ACL325	0.0 N	0.0 N	0.0 N	7.0000	15.0000	20.0000	0.0 N	0.0 N	10.0000	30.0000
3	ACL326	0.0 N	0.0 N	0.0 N	7.0000	30.0000	0.0 L	0.0 N	0.0 L	0.0 L	50.0000
3	ACL327	0.0 L	0.0 N	0.0 N	20.0000	150.0000	15.0000	0.0 N	0.0 L	10.0000	100.0000
3	ACL328	1.0000	0.0 N	0.0 N	70.0000	70.0000	7000.0000	0.0 N	15.0000	10.0000	70.0000
4	ACL329	0.0 N	0.0 N	0.0 N	20.0000	15.0000	30.0000	0.0 N	0.0 N	10.0000	20.0000
5	ACL330	1.0000	0.0 N	0.0 N	7.0000	15.0000	15.0000	0.0 N	0.0 L	0.0 L	20.0000
5	ACL331	0.0 L	0.0 N	0.0 N	15.0000	15.0000	30.0000	0.0 N	0.0 L	10.0000	30.0000
5	ACL332	0.0 L	0.0 N	0.0 N	7.0000	10.0000	20.0000	0.0 N	0.0 L	0.0 L	30.0000
5	ACL333	0.0 N	0.0 N	0.0 N	5.0000	10.0000	0.0 L	0.0 N	0.0 N	0.0 L	15.0000
5	ACL334	1.0000	0.0 N	0.0 N	10.0000	15.0000	50.0000	0.0 N	0.0 L	0.0 L	20.0000
6	ACL335	0.0 L	0.0 N	0.0 N	0.0 L	20.0000	30.0000	0.0 N	0.0 L	0.0 L	20.0000
7	ACE651	0.0 L	0.0 N	0.0 N	7.0000	20.0000	0.0 L	0.0 N	0.0 L	15.0000	30.0000
7	ACE652	0.0 N	0.0 N	0.0 N	30.0000	20.0000	70.0000	0.0 N	0.0 N	15.0000	30.0000
8	ACL323	0.0 N	0.0 N	0.0 N	10.0000	20.0000	0.0 L	0.0 N	0.0 L	10.0000	20.0000
8	ACL324	0.0 N	0.0 N	0.0 N	15.0000	10.0000	0.0 L	0.0 N	0.0 N	10.0000	15.0000
9	ACL347	0.0 L	0.0 N	0.0 N	20.0000	50.0000	0.0 L	0.0 N	0.0 N	10.0000	30.0000
10	ACL345	0.0 N	0.0 N	0.0 N	15.0000	30.0000	10.0000	0.0 N	0.0 L	10.0000	30.0000
11	ACL346	0.0 N	0.0 N	0.0 N	50.0000	150.0000	100.0000	0.0 N	0.0 L	10.0000	70.0000
12	ACL322	0.0 N	0.0 N	0.0 N	0.0 N	0.0 L	30.0000	0.0 N	0.0 N	0.0 L	10.0000
13	ACE949	0.0 N	0.0 N	0.0 N	50.0000	150.0000	100.0000	0.0 N	0.0 L	10.0000	50.0000
13	ACE950	0.0 N	0.0 N	0.0 N	20.0000	100.0000	100.0000	0.0 N	0.0 N	0.0 L	30.0000
14	ACL458	1.5000	0.0 N	0.0 N	15.0000	15.0000	50.0000	0.0 L	15.0000	10.0000	100.0000
15	ACL457	0.0 L	0.0 N	0.0 N	15.0000	10.0000	30.0000	0.0 N	0.0 N	10.0000	20.0000
16	ACL456	0.0 N	0.0 N	0.0 N	0.0 N	0.0 L	0.0 N	0.0 L	0.0 N	0.0 L	0.0 N
17	ACL454	1.5000	0.0 N	0.0 N	10.0000	20.0000	70.0000	0.0 L	5.0000	10.0000	30.0000
17	ACL455	1.5000	0.0 N	0.0 N	70.0000	200.0000	100.0000	30.0000	5.0000	15.0000	150.0000
18	ACL453	1.5000	0.0 N	0.0 N	15.0000	15.0000	100.0000	0.0 N	0.0 L	10.0000	20.0000
19	ACL452	0.0 N	0.0 N	0.0 N	0.0 N	0.0 L	0.0 N	0.0 N	0.0 N	0.0 L	0.0 N
20	ACL460	0.0 L	0.0 N	0.0 N	7.0000	0.0 L	0.0 N	0.0 N	0.0 N	10.0000	7.0000
20	ACL461	0.0 N	0.0 N	0.0 N	5.0000	0.0 L	0.0 L	0.0 N	0.0 N	0.0 L	7.0000
21	ACL462	0.0 L	0.0 N	0.0 N	0.0 L	0.0 L	10.0000	0.0 N	0.0 N	0.0 L	7.0000
22	ACL463	1.0000	0.0 N	0.0 N	5.0000	0.0 L	5.0000	0.0 N	0.0 N	0.0 L	10.0000
22	ACL464	0.0 L	0.0 N	0.0 N	30.0000	15.0000	150.0000	0.0 N	7.0000	10.0000	30.0000
22	ACL465	0.0 L	0.0 N	0.0 N	0.0 N	0.0 L	20.0000	0.0 N	7.0000	10.0000	5.0000
23	ACL466	1.0000	0.0 N	0.0 N	0.0 N	0.0 L	100.0000	0.0 N	0.0 L	0.0 L	7.0000
24	ACL474	1.0000	0.0 N	0.0 N	0.0 N	0.0 L	70.0000	0.0 N	0.0 L	0.0 L	7.0000
24	ACL475	1.5000	0.0 N	50.0000	10.0000	10.0000	300.0000	0.0 N	15.0000	10.0000	20.0000
24	ACL476	0.0 L	0.0 N	0.0 N	0.0 N	0.0 L	30.0000	0.0 N	15.0000	10.0000	10.0000
24	ACL477	0.0 L	0.0 N	0.0 N	7.0000	50.0000	150.0000	0.0 N	30.0000	0.0 L	100.0000
25	ACL484	0.0 N	0.0 N	0.0 N	10.0000	0.0 L	0.0 L	0.0 N	0.0 L	15.0000	15.0000
26	ACL568	0.0 N	0.0 N	0.0 N	0.0 N	0.0 L	200.0000	0.0 N	0.0 N	10.0000	5.0000
26	ACL569	0.0 L	0.0 N	0.0 N	15.0000	10.0000	150.0000	0.0 L	0.0 L	10.0000	30.0000
26	ACL570	0.0 N	0.0 N	0.0 N	5.0000	300.0000	10.0000	0.0 L	0.0 L	10.0000	30.0000
26	ACL571	1.0000	0.0 N	0.0 N	15.0000	200.0000	15.0000	0.0 L	5.0000	0.0 L	50.0000
26	ACL572	0.0 N	0.0 N	0.0 N	10.0000	70.0000	15.0000	0.0 N	0.0 N	0.0 L	20.0000
27	ACL617	0.0 L	0.0 N	0.0 N	5.0000	30.0000	50.0000	0.0 L	10.0000	0.0 L	70.0000
27	ACL618	0.0 L	0.0 N	0.0 N	0.0 L	0.0 L	30.0000	0.0 N	5.0000	0.0 L	30.0000
27	ACL619	0.0 N	0.0 N	0.0 N	20.0000	0.0 L	1500.0000	0.0 L	10.0000	10.0000	70.0000
27	ACL573	0.0 L	0.0 N	0.0 N	7.0000	70.0000	15.0000	0.0 N	0.0 N	0.0 L	15.0000

CRAIG B-5 ROCK SAMPLES

	SAMPLE	PB PPM	SB PPM	SC PPM	SN PPM	SR PPM	V PPM	W PPM	Y PPM	ZN PPM	ZR PPM
1	ACL320	30.0000	0.0 N	7.0000	0.0 N	300.0000	70.0000	0.0 N	10.0000	0.0 L	70.0000
2	ACL325	0.0 N	0.0 N	15.0000	0.0 N	0.0 N	100.0000	0.0 N	10.0000	0.0 N	100.0000
3	ACL326	0.0 N	0.0 N	10.0000	0.0 N	0.0 N	50.0000	0.0 N	10.0000	0.0 N	70.0000
3	ACL327	10.0000	0.0 N	30.0000	0.0 N	150.0000	200.0000	0.0 N	30.0000	0.0 L	150.0000
3	ACL328	10.0000	0.0 N	20.0000	0.0 N	0.0 L	150.0000	0.0 N	20.0000	300.0000	70.0000
4	ACL329	0.0 L	0.0 N	15.0000	0.0 N	500.0000	150.0000	0.0 N	15.0000	0.0 N	70.0000
5	ACL330	10.0000	0.0 N	15.0000	0.0 N	200.0000	150.0000	0.0 N	20.0000	0.0 N	150.0000
5	ACL331	0.0 L	0.0 N	20.0000	0.0 N	200.0000	150.0000	0.0 N	20.0000	0.0 L	100.0000
5	ACL332	15.0000	0.0 N	15.0000	0.0 N	300.0000	150.0000	0.0 N	15.0000	0.0 L	70.0000
5	ACL333	0.0 N	0.0 N	7.0000	0.0 N	300.0000	70.0000	0.0 N	10.0000	0.0 N	70.0000
5	ACL334	15.0000	0.0 N	20.0000	0.0 N	150.0000	200.0000	0.0 N	20.0000	0.0 L	70.0000
6	ACL335	0.0 L	0.0 N	10.0000	0.0 N	150.0000	100.0000	0.0 N	20.0000	0.0 N	70.0000
7	ACE651	0.0 L	0.0 N	20.0000	0.0 N	700.0000	150.0000	0.0 N	20.0000	0.0 L	70.0000
7	ACE652	0.0 L	0.0 N	30.0000	0.0 N	300.0000	300.0000	0.0 N	20.0000	0.0 N	70.0000
8	ACL323	0.0 N	0.0 N	7.0000	0.0 N	700.0000	70.0000	0.0 N	10.0000	0.0 N	70.0000
8	ACL324	0.0 N	0.0 N	10.0000	0.0 N	300.0000	100.0000	0.0 N	10.0000	0.0 N	70.0000
9	ACL347	0.0 L	0.0 N	15.0000	0.0 N	700.0000	150.0000	0.0 N	15.0000	0.0 N	70.0000
10	ACL345	0.0 N	0.0 N	15.0000	0.0 N	500.0000	150.0000	0.0 N	30.0000	0.0 N	100.0000
11	ACL346	0.0 N	0.0 N	50.0000	0.0 N	300.0000	300.0000	0.0 N	20.0000	0.0 L	70.0000
12	ACL322	0.0 N	0.0 N	5.0000	0.0 N	300.0000	50.0000	0.0 N	10.0000	0.0 N	70.0000
13	ACE949	0.0 N	0.0 N	30.0000	0.0 N	0.0 L	200.0000	0.0 N	20.0000	0.0 L	50.0000
13	ACE950	0.0 N	0.0 N	30.0000	0.0 N	100.0000	150.0000	0.0 N	30.0000	0.0 L	70.0000
14	ACL458	20.0000	0.0 N	15.0000	0.0 N	100.0000	300.0000	0.0 N	30.0000	200.0000	200.0000
15	ACL457	15.0000	0.0 N	20.0000	0.0 N	300.0000	300.0000	0.0 N	20.0000	0.0 L	70.0000
16	ACL456	0.0 N	0.0 N	0.0 N	0.0 N	300.0000	15.0000	0.0 N	0.0 L	0.0 N	0.0 N
17	ACL454	20.0000	0.0 N	15.0000	0.0 N	0.0 N	100.0000	0.0 N	10.0000	0.0 N	100.0000
18	ACL455	15.0000	0.0 N	30.0000	0.0 N	300.0000	300.0000	0.0 N	15.0000	0.0 L	200.0000
18	ACL453	20.0000	0.0 N	10.0000	0.0 N	200.0000	150.0000	0.0 N	15.0000	0.0 L	100.0000
19	ACL452	0.0 N	0.0 N	0.0 N	0.0 N	300.0000	30.0000	0.0 N	0.0 N	0.0 N	0.0 N
20	ACL460	0.0 L	0.0 N	5.0000	0.0 N	500.0000	20.0000	0.0 N	15.0000	0.0 N	500.0000
20	ACL461	0.0 N	0.0 N	0.0 N	0.0 N	150.0000	15.0000	0.0 N	0.0 L	0.0 N	50.0000
21	ACL462	0.0 N	0.0 N	0.0 L	0.0 N	300.0000	20.0000	0.0 N	10.0000	0.0 N	100.0000
22	ACL463	0.0 N	0.0 N	0.0 N	0.0 N	300.0000	15.0000	0.0 N	0.0 L	0.0 L	50.0000
22	ACL464	0.0 N	0.0 N	5.0000	0.0 N	0.0 N	300.0000	0.0 N	20.0000	300.0000	50.0000
22	ACL465	0.0 N	0.0 N	7.0000	0.0 N	500.0000	30.0000	0.0 N	10.0000	0.0 N	70.0000
23	ACL466	0.0 N	0.0 N	5.0000	0.0 N	500.0000	30.0000	0.0 N	10.0000	0.0 N	100.0000
24	ACL474	0.0 N	0.0 N	0.0 N	0.0 N	200.0000	15.0000	0.0 N	0.0 L	0.0 N	50.0000
24	ACL475	0.0 L	0.0 N	5.0000	20.0000	0.0 N	300.0000	0.0 N	20.0000	700.0000	0.0 L
24	ACL476	0.0 N	0.0 N	5.0000	0.0 N	300.0000	30.0000	0.0 N	10.0000	0.0 N	70.0000
24	ACL477	10.0000	0.0 N	15.0000	0.0 N	100.0000	700.0000	0.0 N	20.0000	200.0000	70.0000
25	ACL484	150.0000	0.0 N	0.0 L	0.0 N	0.0 N	20.0000	0.0 N	10.0000	0.0 N	50.0000
26	ACL568	0.0 N	0.0 N	0.0 N	0.0 N	0.0 N	30.0000	0.0 N	0.0 N	0.0 N	0.0 L
26	ACL569	0.0 L	0.0 N	15.0000	0.0 N	300.0000	200.0000	0.0 N	30.0000	0.0 L	70.0000
26	ACL570	0.0 N	0.0 N	15.0000	0.0 N	150.0000	70.0000	0.0 N	15.0000	0.0 L	50.0000
26	ACL571	0.0 L	0.0 N	30.0000	0.0 N	300.0000	300.0000	0.0 N	20.0000	0.0 L	70.0000
26	ACL572	0.0 N	0.0 N	15.0000	0.0 N	500.0000	70.0000	0.0 N	10.0000	0.0 N	70.0000
27	ACL617	0.0 N	0.0 N	7.0000	0.0 N	200.0000	300.0000	0.0 N	10.0000	0.0 N	70.0000
27	ACL618	0.0 N	0.0 N	5.0000	0.0 N	300.0000	150.0000	0.0 N	10.0000	0.0 N	70.0000
27	ACL619	0.0 L	0.0 N	5.0000	0.0 N	100.0000	200.0000	0.0 N	10.0000	0.0 L	30.0000
27	ACL573	0.0 N	0.0 N	10.0000	0.0 N	500.0000	70.0000	0.0 N	10.0000	0.0 N	70.0000

CRAIG B-5 ROCK SAMPLES

	SAMPLE	AU PPM
1	ACL320	0.0200L
2	ACL325	0.0200L
3	ACL326	0.0200L
3	ACL327	0.0200L
3	ACL328	0.0600
4	ACL329	0.0200L
5	ACL330	0.0200L
5	ACL331	0.0200L
5	ACL332	0.0200L
5	ACL333	0.0200L
5	ACL334	0.0200L
6	ACL335	0.0200L
7	ACE651	0.0200L
7	ACE652	0.0200L
8	ACL323	0.0200L
8	ACL324	0.0200L
9	ACL347	0.0200L
10	ACL345	0.0200L
11	ACL346	0.0200L
12	ACL322	0.0200L
13	ACE949	0.0200L
13	ACE950	0.0200L
14	ACL458	0.0200L
15	ACL457	0.0200L
16	ACL456	0.0200L
17	ACL454	0.0200L
17	ACL455	0.0200L
18	ACL453	0.0200L
19	ACL452	0.0200L
20	ACL460	0.0200L
20	ACL461	0.0200L
21	ACL462	0.0200L
22	ACL463	0.0200L
22	ACL464	0.0200L
22	ACL465	0.0200L
23	ACL466	0.0200L
24	ACL474	0.0200L
24	ACL475	0.0200L
24	ACL476	0.0200L
24	ACL477	0.0200L
25	ACL484	1.5000
26	ACL568	0.0200L
26	ACL569	0.0200L
26	ACL570	0.0200L
26	ACL571	0.0200L
26	ACL572	0.0200L
27	ACL617	0.0200L
27	ACL618	0.0200L
27	ACL619	0.0200L
27	ACL573	0.0200L

CRAIG B-5 ROCK SAMPLES

MAP NUMBER	SAMPLE	FE PCT	MG PCT	CA PCT	TI PCT	MN PPM	AG PPM	AS PPM	AU PPM	B PPM	BA PPM
28	ACL574	2.0000	1.5000	0.7000	0.2000	200.0000	0.0 N	0.0 N	0.0 N	0.0 N	1500.0000
29	ACL620	3.0000	3.0000	1.5000	0.3000	300.0000	0.5000	0.0 N	0.0 N	20.0000	3000.0000
30	ACL575	5.0000	3.0000	5.0000	0.7000	500.0000	0.0 N	0.0 N	0.0 N	0.0 N	1500.0000
30	ACL576	1.5000	0.2000	1.0000	0.0300	70.0000	0.0 N	0.0 N	0.0 N	0.0 N	0.0 L
30	ACL577	3.0000	3.0000	1.5000	0.5000	500.0000	0.0 N	0.0 N	0.0 N	30.0000	5000.0000
31	ACL621	1.0000	0.7000	0.3000	0.1500	150.0000	0.0 N	0.0 N	0.0 N	50.0000	3000.0000
32	ACL485	7.0000	3.0000	5.0000	0.3000	700.0000	0.0 N	0.0 N	0.0 N	0.0 L	500.0000
32	ACL486	15.0000	1.5000	1.5000	0.3000	200.0000	0.5000	0.0 N	0.0 N	10.0000	200.0000

CRAIG B-5 ROCK SAMPLES

	SAMPLE	BE PPM	BI PPM	CD PPM	CO PPM	CR PPM	CU PPM	LA PPM	MO PPM	NB PPM	NI PPM
28	ACL574	0.0 L	0.0 N	0.0 N	7.0000	50.0000	0.0 N	0.0 N	15.0000	0.0 L	100.0000
29	ACL620	1.5000	0.0 N	0.0 N	7.0000	70.0000	150.0000	0.0 L	7.0000	10.0000	100.0000
30	ACL575	0.0 N	0.0 N	0.0 N	20.0000	30.0000	30.0000	0.0 N	0.0 N	10.0000	30.0000
38	ACL576	0.0 N	0.0 N	0.0 N	10.0000	10.0000	10.0000	0.0 L	0.0 N	0.0 L	10.0000
30	ACL577	1.5000	0.0 N	0.0 N	15.0000	150.0000	70.0000	0.0 L	15.0000	15.0000	100.0000
31	ACL621	0.0 L	0.0 N	0.0 N	10.0000	15.0000	20.0000	0.0 L	15.0000	0.0 L	100.0000
32	ACL485	0.0 L	0.0 N	0.0 N	15.0000	70.0000	150.0000	0.0 L	0.0 L	10.0000	30.0000
32	ACL486	1.0000	0.0 N	0.0 N	100.0000	20.0000	1000.0000	0.0 L	15.0000	15.0000	100.0000

CRAIG B-5 ROCK SAMPLES

	SAMPLE	PB PPM	SB PPM	SC PPM	SN PPM	SR PPM	V PPM	W PPM	Y PPM	ZN PPM	ZR PPM
28	ACL574	0.0 N	0.0 N	10.0000	30.0000	0.0 N	500.0000	0.0 N	10.0000	700.0000	70.0000
29	ACL620	10.0000	0.0 N	15.0000	0.0 N	100.0000	500.0000	0.0 N	30.0000	300.0000	100.0000
30	ACL575	0.0 N	0.0 N	20.0000	0.0 N	700.0000	150.0000	0.0 N	15.0000	0.0 N	70.0000
30	ACL576	0.0 N	0.0 N	0.0 L	0.0 N	0.0 N	15.0000	0.0 N	0.0 L	0.0 L	0.0 L
30	ACL577	0.0 L	0.0 N	15.0000	0.0 N	200.0000	700.0000	0.0 N	20.0000	700.0000	150.0000
31	ACL621	0.0 L	0.0 N	5.0000	0.0 N	0.0 L	500.0000	0.0 N	15.0000	0.0 L	70.0000
32	ACL485	0.0 N	0.0 N	20.0000	0.0 N	300.0000	300.0000	0.0 N	30.0000	0.0 L	70.0000
32	ACL486	0.0 L	0.0 N	15.0000	0.0 N	500.0000	150.0000	0.0 N	20.0000	0.0 L	70.0000

CRAIG B-5 ROCK SAMPLES

	SAMPLE	AU PPM
28	ACL574	0.0200L
29	ACL620	0.0200L
30	ACL575	0.0200L
30	ACL576	0.0200L
30	ACL577	0.0200L
31	ACL621	0.0200L
32	ACL485	0.0200L
32	ACL486	0.0200L

FREQUENCY TABLE FOR COLUMN 1 (FE PCT)

LIMITS LOWER	- UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
3.8E-02 -	5.6E-02	0	0	0.0	0.0
5.6E-02 -	8.3E-02	0	0	0.0	0.0
8.3E-02 -	1.2E-01	0	0	0.0	0.0
1.2E-01 -	1.8E-01	0	0	0.0	0.0
1.8E-01 -	2.6E-01	0	0	0.0	0.0
2.6E-01 -	3.8E-01	0	0	0.0	0.0
3.8E-01 -	5.6E-01	1	1	1.72	1.72
5.6E-01 -	8.3E-01	2	3	3.45	5.17
8.3E-01 -	1.2E 00	1	4	1.72	6.90
1.2E 00 -	1.8E 00	7	11	12.07	18.97
1.8E 00 -	2.6E 00	4	15	6.90	25.86
2.6E 00 -	3.8E 00	16	31	27.59	53.45
3.8E 00 -	5.6E 00	4	35	6.90	60.34
5.6E 00 -	8.3E 00	6	41	10.34	70.69
8.3E 00 -	1.2E 01	5	46	8.62	79.31
1.2E 01 -	1.8E 01	6	52	10.34	89.66
1.8E 01 -	2.6E 01	3	55	5.17	94.83

HISTOGRAM FOR COLUMN 1 (FE PCT)

```
5.0E-01 XX

7.0E-01 XXX

1.0E 00 XX

1.5E 00 XXXXXXXXXXXX

2.0E 00 XXXXXXX

3.0E 00 XXXXXXXXXXXXXXXXXXXXXXXXXXX

5.0E 00 XXXXXXX

7.0E 00 XXXXXXXXXX

1.0E 01 XXXXXXXXX

1.5E 01 XXXXXXXXXX

2.0E 01 XXXXX
```

N	L	H	B	T	G	ANALYTICAL VALUES
0	2	0	0	0	1	55
0.0	3.45			0.0	1.72	

MAXIMUM = 2.00000E 01

MINIMUM = 5.00000E-01

GEOMETRIC MEAN = 4.02897E 00

GEOMETRIC DEVIATION = 2.53763E 00

FREQUENCY TABLE FOR COLUMN 2 (MG PCT)

LIMITS LOWER	- UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
1.8E-02 -	2.6E-02	0	0	0.0	0.0
2.6E-02 -	3.8E-02	0	0	0.0	0.0
3.8E-02 -	5.6E-02	0	0	0.0	0.0
5.6E-02 -	8.3E-02	1	1	1.72	1.72
8.3E-02 -	1.2E-01	1	2	1.72	3.45
1.2E-01 -	1.8E-01	2	4	3.45	6.90
1.8E-01 -	2.6E-01	1	5	1.72	8.62
2.6E-01 -	3.8E-01	3	8	5.17	13.79
3.8E-01 -	5.6E-01	3	11	5.17	18.97
5.6E-01 -	8.3E-01	11	22	18.97	37.93
8.3E-01 -	1.2E 00	5	27	8.62	46.55
1.2E 00 -	1.8E 00	12	39	20.69	67.24
1.8E 00 -	2.6E 00	6	45	10.34	77.59
2.6E 00 -	3.8E 00	11	56	18.97	96.55
3.8E 00 -	5.6E 00	1	57	1.72	98.28
5.6E 00 -	8.3E 00	1	58	1.72	100.00

HISTOGRAM FOR COLUMN 2 (MG PCT)

```
7.0E-02 XX

1.0E-01 XX

1.5E-01 XXX

2.0E-01 XX

3.0E-01 XXXXX

5.0E-01 XXXXX

7.0E-01 XXXXXXXXXXXXXXXXXXX

1.0E 00 XXXXXXXXX

1.5E 00 XXXXXXXXXXXXXXXXXXXXX

2.0E 00 XXXXXXXXXX

3.0E 00 XXXXXXXXXXXXXXXXXXX

5.0E 00 XX

7.0E 00 XX
```

N	L	H	B	T	G	ANALYTICAL VALUES
0	0	0	0	0	0	58
0.0	0.0			0.0	0.0	

MAXIMUM = 7.00000E 00

MINIMUM = 7.00000E-02

GEOMETRIC MEAN = 1.08411E 00

GEOMETRIC DEVIATION = 2.63438E 00

FREQUENCY TABLE FOR COLUMN 3 (CA PCT)

LIMITS LOWER	- UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
3.8E-02 -	5.6E-02	0	0	0.0	0.0
5.6E-02 -	8.3E-02	0	0	0.0	0.0
8.3E-02 -	1.2E-01	1	1	1.72	1.72
1.2E-01 -	1.8E-01	1	2	1.72	3.45
1.8E-01 -	2.6E-01	0	2	0.0	3.45
2.6E-01 -	3.8E-01	2	4	3.45	6.90
3.8E-01 -	5.6E-01	1	5	1.72	8.62
5.6E-01 -	8.3E-01	11	16	18.97	27.59
8.3E-01 -	1.2E 00	5	21	8.62	36.21
1.2E 00 -	1.8E 00	9	30	15.52	51.72
1.8E 00 -	2.6E 00	5	35	8.62	60.34
2.6E 00 -	3.8E 00	6	41	10.34	70.69
3.8E 00 -	5.6E 00	8	49	13.79	84.48
5.6E 00 -	8.3E 00	4	53	6.90	91.38
8.3E 00 -	1.2E 01	1	54	1.72	93.10
1.2E 01 -	1.8E 01	2	56	3.45	96.55

HISTOGRAM FOR COLUMN 3 (CA PCT)

```
1.0E-01 XX

1.5E-01 XX

2.0E-01

3.0E-01 XXX

5.0E-01 XX

7.0E-01 XXXXXXXXXXXXXXXXXXX

1.0E 00 XXXXXXXXX

1.5E 00 XXXXXXXXXXXXXXXX

2.0E 00 XXXXXXXXX

3.0E 00 XXXXXXXXXX

5.0E 00 XXXXXXXXXXXXXX

7.0E 00 XXXXXXX

1.0E 01 XX

1.5E 01 XXX
```

N	L	H	B	T	G	ANALYTICAL VALUES
0	0	0	0	0	2	56
0.0	0.0			0.0	3.45	

MAXIMUM = 1.50000E 01

MINIMUM = 1.00000E-01

GEOMETRIC MEAN = 1.73512E 00

GEOMETRIC DEVIATION = 2.93186E 00

FREQUENCY TABLE FOR COLUMN 4 (TI PCT)

LIMITS LOWER	- UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
1.8E-03 -	2.6E-03	0	0	0.0	0.0
2.6E-03 -	3.8E-03	0	0	0.0	0.0
3.8E-03 -	5.6E-03	0	0	0.0	0.0
5.6E-03 -	8.3E-03	0	0	0.0	0.0
8.3E-03 -	1.2E-02	0	0	0.0	0.0
1.2E-02 -	1.8E-02	0	0	0.0	0.0
1.8E-02 -	2.6E-02	0	0	0.0	0.0
2.6E-02 -	3.8E-02	5	5	8.62	8.62
3.8E-02 -	5.6E-02	2	7	3.45	12.07
5.6E-02 -	8.3E-02	2	9	3.45	15.52
8.3E-02 -	1.2E-01	4	13	6.90	22.41
1.2E-01 -	1.8E-01	10	23	17.24	39.66
1.8E-01 -	2.6E-01	3	26	5.17	44.83
2.6E-01 -	3.8E-01	15	41	25.86	70.69
3.8E-01 -	5.6E-01	6	47	10.34	81.03
5.6E-01 -	8.3E-01	10	57	17.24	98.28
8.3E-01 -	1.2E 00	1	58	1.72	100.00

HISTOGRAM FOR COLUMN 4 (TI PCT)

```
3.0E-02 XXXXXXXXX

5.0E-02 XXX

7.0E-02 XXX

1.0E-01 XXXXXXX

1.5E-01 XXXXXXXXXXXXXXXXX

2.0E-01 XXXXX

3.0E-01 XXXXXXXXXXXXXXXXXXXXXXXXXX

5.0E-01 XXXXXXXXXX

7.0E-01 XXXXXXXXXXXXXXXXX

1.0E 00 XX
```

N	L	H	B	T	G	ANALYTICAL VALUES
0	0	0	0	0	0	58
0.0	0.0			0.0	0.0	

MAXIMUM = 1.00000E 00

MINIMUM = 3.00000E-02

GEOMETRIC MEAN = 2.20692E-01

GEOMETRIC DEVIATION = 2.59946E 00

FREQUENCY TABLE FOR COLUMN 5 (MN PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
8.3E 00 -	1.2E 01	0	0	0.0	0.0
1.2E 01 -	1.8E 01	0	0	0.0	0.0
1.8E 01 -	2.6E 01	0	0	0.0	0.0
2.6E 01 -	3.8E 01	0	0	0.0	0.0
3.8E 01 -	5.6E 01	0	0	0.0	0.0
5.6E 01 -	8.3E 01	4	4	6.90	6.90
8.3E 01 -	1.2E 02	3	7	5.17	12.07
1.2E 02 -	1.8E 02	2	9	3.45	15.52
1.8E 02 -	2.6E 02	4	13	6.90	22.41
2.6E 02 -	3.8E 02	9	22	15.52	37.93
3.8E 02 -	5.6E 02	11	33	18.97	56.90
5.6E 02 -	8.3E 02	6	39	10.34	67.24
8.3E 02 -	1.2E 03	7	46	12.07	79.31
1.2E 03 -	1.8E 03	10	56	17.24	96.55

HISTOGRAM FOR COLUMN 5 (MN PPM)

```
7.0E 01 XXXXXXX

1.0E 02 XXXXX

1.5E 02 XXX

2.0E 02 XXXXXXX

3.0E 02 XXXXXXXXXXXXXXX

5.0E 02 XXXXXXXXXXXXXXXXXXX

7.0E 02 XXXXXXXXXX

1.0E 03 XXXXXXXXXXXX

1.5E 03 XXXXXXXXXXXXXXXXX
```

N	L	H	B	T	G	ANALYTICAL VALUES
0	0	0	0	0	2	56
0.0	0.0			0.0	3.45	

MAXIMUM = 1.50000E 03

MINIMUM = 7.00000E 01

GEOMETRIC MEAN = 4.53169E 02

GEOMETRIC DEVIATION = 2.53053E 00

FREQUENCY TABLE FOR COLUMN 6 (AG PPM)

LIMITS LOWER -	UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
3.8E-01 -	5.6E-01	4	4	6.90	6.90
5.6E-01 -	8.3E-01	1	5	1.72	8.62
8.3E-01 -	1.2E 00	0	5	0.0	8.62
1.2E 00 -	1.8E 00	1	6	1.72	10.34
1.8E 00 -	2.6E 00	1	7	1.72	12.07

HISTOGRAM FOR COLUMN 6 (AG PPM)

```
5.0E-01 XXXXXXX

7.0E-01 XX

1.0E 00

1.5E 00 XX

2.0E 00 XX
```

N	L	H	B	T	G	ANALYTICAL VALUES
46	5	0	0	0	0	7
79.31	8.62			0.0	0.0	

MAXIMUM = 2.00000E 00

MINIMUM = 5.00000E-01

GEOMETRIC MEAN = 7.48194E-01

GEOMETRIC DEVIATION = 1.80811E 00

FREQUENCY TABLE FOR COLUMN 7 (AS PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM	ANALYTICAL VALUES
N	L	H	B	T	G	
58	0	0	0	0	0	0
*****	0.0			0.0	0.0	

MAXIMUM = -9.99900E 48

MINIMUM = 9.99900E 48

GEOMETRIC MEAN = 9.99900E 48

GEOMETRIC DEVIATION = 9.99900E 48

FREQUENCY TABLE FOR COLUMN 8 (AU PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM	ANALYTICAL VALUES
N	L	H	B	T	G	
58	0	0	0	0	0	0
*****	0.0			0.0	0.0	

MAXIMUM = -9.99900E 48

MINIMUM = 9.99900E 48

GEOMETRIC MEAN = 9.99900E 48

GEOMETRIC DEVIATION = 9.99900E 48

FREQUENCY TABLE FOR COLUMN 9 (B PPM)

LIMITS LOWER	- UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
8.3E 00 -	1.2E 01	3	3	5.17	5.17
1.2E 01 -	1.8E 01	3	6	5.17	10.34
1.8E 01 -	2.6E 01	2	8	3.45	13.79
2.6E 01 -	3.8E 01	7	15	12.07	25.86
3.8E 01 -	5.6E 01	2	17	3.45	29.31
5.6E 01 -	8.3E 01	3	20	5.17	34.48

HISTOGRAM FOR COLUMN 9 (B PPM)

```
1.0E 01 XXXXX

1.5E 01 XXXXX

2.0E 01 XXX

3.0E 01 XXXXXXXXXXX

5.0E 01 XXX

7.0E 01 XXXXX
```

N	L	H	B	T	G	ANALYTICAL VALUES
28	10	0	0	0	0	20
48.28	17.24			0.0	0.0	

MAXIMUM = 7.00000E 01

MINIMUM = 1.00000E 01

GEOMETRIC MEAN = 2.63127E 01

GEOMETRIC DEVIATION = 1.89188E 00

FREQUENCY TABLE FOR COLUMN 10 (BA PPM)

LIMITS LOWER	- UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
1.8E 01 -	2.6E 01	0	0	0.0	0.0
2.6E 01 -	3.8E 01	0	0	0.0	0.0
3.8E 01 -	5.6E 01	0	0	0.0	0.0
5.6E 01 -	8.3E 01	1	1	1.72	1.72
8.3E 01 -	1.2E 02	2	3	3.45	5.17
1.2E 02 -	1.8E 02	10	13	17.24	22.41
1.8E 02 -	2.6E 02	4	17	6.90	29.31
2.6E 02 -	3.8E 02	16	33	27.59	56.90
3.8E 02 -	5.6E 02	2	35	3.45	60.34
5.6E 02 -	8.3E 02	5	40	8.62	68.97
8.3E 02 -	1.2E 03	1	41	1.72	70.69
1.2E 03 -	1.8E 03	3	44	5.17	75.86
1.8E 03 -	2.6E 03	3	47	5.17	81.03
2.6E 03 -	3.8E 03	2	49	3.45	84.48
3.8E 03 -	5.6E 03	3	52	5.17	89.66

HISTOGRAM FOR COLUMN 10 (BA PPM)

```
7.0E 01 XX

1.0E 02 XXX

1.5E 02 XXXXXXXXXXXXXXXXX

2.0E 02 XXXXXXX

3.0E 02 XXXXXXXXXXXXXXXXXXXXXXXXXXXX

5.0E 02 XXX

7.0E 02 XXXXXXXXX

1.0E 03 XX

1.5E 03 XXXXX

2.0E 03 XXXXX

3.0E 03 XXX

5.0E 03 XXXXX
```

N	L	H	B	T	G	ANALYTICAL VALUES
0	5	0	0	0	1	52
0.0	8.62			0.0	1.72	

MAXIMUM = 5.00000E 03

MINIMUM = 7.00000E 01

GEOMETRIC MEAN = 4.22625E 02

GEOMETRIC DEVIATION = 3.02177E 00

FREQUENCY TABLE FOR COLUMN 11 (BE PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
8.3E-01 -	1.2E 00	8	8	13.79	13.79
1.2E 00 -	1.8E 00	7	15	12.07	25.86

HISTOGRAM FOR COLUMN 11 (BE PPM)

```
1.0E 00 XXXXXXXXXXXXXX

1.5E 00 XXXXXXXXXXXX
```

N	L	H	B	T	G	ANALYTICAL VALUES
23	20	0	0	0	0	15
39.66	34.48			0.0	0.0	

MAXIMUM = 1.50000E 00

MINIMUM = 1.00000E 00

GEOMETRIC MEAN = 1.20830E 00

GEOMETRIC DEVIATION = 1.23291E 00

FREQUENCY TABLE FOR COLUMN 12 (BI PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM	ANALYTICAL VALUES
N	L	H	B	T	G	
58	0	0	0	0	0	0
*****	0.0			0.0	0.0	

MAXIMUM = -9.99900E 48

MINIMUM = 9.99900E 48

GEOMETRIC MEAN = 9.99900E 48

GEOMETRIC DEVIATION = 9.99900E 48

FREQUENCY TABLE FOR COLUMN 13 (CO PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
1.8E 01 -	2.6E 01	0	0	0.0	0.0
2.6E 01 -	3.8E 01	0	0	0.0	0.0
3.8E 01 -	5.6E 01	1	1	1.72	1.72

HISTOGRAM FOR COLUMN 13 (CO PPM)

5.0E 01 XX

N	L	H	B	T	G	ANALYTICAL VALUES
57	0	0	0	0	0	1
98.28	0.0			0.0	0.0	

MAXIMUM = 5.00000E 01

MINIMUM = 5.00000E 01

GEOMETRIC MEAN = 4.99999E 01

GEOMETRIC DEVIATION = 9.99900E 48

FREQUENCY TABLE FOR COLUMN 14 (CO PPM)

LIMITS LOWER	- UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
3.8E 00 -	5.6E 00	6	6	10.34	10.34
5.6E 00 -	8.3E 00	10	16	17.24	27.59
8.3E 00 -	1.2E 01	8	24	13.79	41.38
1.2E 01 -	1.8E 01	10	34	17.24	58.62
1.8E 01 -	2.6E 01	6	40	10.34	68.97
2.6E 01 -	3.8E 01	2	42	3.45	72.41
3.8E 01 -	5.6E 01	2	44	3.45	75.86
5.6E 01 -	8.3E 01	2	46	3.45	79.31
8.3E 01 -	1.2E 02	1	47	1.72	81.03

HISTOGRAM FOR COLUMN 14 (CO PPM)

```
5.0E 00 XXXXXXXXXX

7.0E 00 XXXXXXXXXXXXXXXXX

1.0E 01 XXXXXXXXXXXXXX

1.5E 01 XXXXXXXXXXXXXXXXX

2.0E 01 XXXXXXXXXX

3.0E 01 XXX

5.0E 01 XXX

7.0E 01 XXX

1.0E 02 XX
```

N	L	H	B	T	G	ANALYTICAL VALUES
8	3	0	0	0	0	47
13.79	5.17			0.0	0.0	

MAXIMUM = 1.00000E 02

MINIMUM = 5.00000E 00

GEOMETRIC MEAN = 1.29356E 01

GEOMETRIC DEVIATION = 2.12201E 00

FREQUENCY TABLE FOR COLUMN 15 (CR PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
3.8E 00 -	5.6E 00	0	0	0.0	0.0
5.6E 00 -	8.3E 00	0	0	0.0	0.0
8.3E 00 -	1.2E 01	7	7	12.07	12.07
1.2E 01 -	1.8E 01	10	17	17.24	29.31
1.8E 01 -	2.6E 01	6	23	10.34	39.66
2.6E 01 -	3.8E 01	4	27	6.90	46.55
3.8E 01 -	5.6E 01	3	30	5.17	51.72
5.6E 01 -	8.3E 01	5	35	8.62	60.34
8.3E 01 -	1.2E 02	1	36	1.72	62.07
1.2E 02 -	1.8E 02	4	40	6.90	68.97
1.8E 02 -	2.6E 02	2	42	3.45	72.41
2.6E 02 -	3.8E 02	1	43	1.72	74.14

HISTOGRAM FOR COLUMN 15 (CR PPM)

```
1.0E 01 XXXXXXXXXXXX

1.5E 01 XXXXXXXXXXXXXXXXX

2.0E 01 XXXXXXXXXX

3.0E 01 XXXXXXX

5.0E 01 XXXXX

7.0E 01 XXXXXXXXX

1.0E 02 XX

1.5E 02 XXXXXXX

2.0E 02 XXX

3.0E 02 XX
```

N	L	H	B	T	G	ANALYTICAL VALUES
0	15	0	0	0	0	43
0.0	25.86			0.0	0.0	

MAXIMUM = 3.00000E 02

MINIMUM = 1.00000E 01

GEOMETRIC MEAN = 3.17607E 01

GEOMETRIC DEVIATION = 2.74369E 00

FREQUENCY TABLE FOR COLUMN 16 (CU PPM)

LIMITS LOWER	- UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
3.8E 00 -	5.6E 00	1	1	1.72	1.72
5.6E 00 -	8.3E 00	0	1	0.0	1.72
8.3E 00 -	1.2E 01	5	6	8.62	10.34
1.2E 01 -	1.8E 01	5	11	8.62	18.97
1.8E 01 -	2.6E 01	4	15	6.90	25.86
2.6E 01 -	3.8E 01	8	23	13.79	39.66
3.8E 01 -	5.6E 01	3	26	5.17	44.83
5.6E 01 -	8.3E 01	4	30	6.90	51.72
8.3E 01 -	1.2E 02	6	36	10.34	62.07
1.2E 02 -	1.8E 02	5	41	8.62	70.69
1.8E 02 -	2.6E 02	1	42	1.72	72.41
2.6E 02 -	3.8E 02	1	43	1.72	74.14
3.8E 02 -	5.6E 02	0	43	0.0	74.14
5.6E 02 -	8.3E 02	0	43	0.0	74.14
8.3E 02 -	1.2E 03	1	44	1.72	75.86
1.2E 03 -	1.8E 03	1	45	1.72	77.59
1.8E 03 -	2.6E 03	0	45	0.0	77.59
2.6E 03 -	3.8E 03	0	45	0.0	77.59
3.8E 03 -	5.6E 03	0	45	0.0	77.59
5.6E 03 -	8.3E 03	1	46	1.72	79.31

HISTOGRAM FOR COLUMN 16 (CU PPM)

```
5.0E 00 XX

7.0E 00

1.0E 01 XXXXXXXXX

1.5E 01 XXXXXXXXX

2.0E 01 XXXXXXX

3.0E 01 XXXXXXXXXXXXXX

5.0E 01 XXXXX

7.0E 01 XXXXXXX

1.0E 02 XXXXXXXXXX

1.5E 02 XXXXXXXXX

2.0E 02 XX

3.0E 02 XX

5.0E 02

7.0E 02

1.0E 03 XX

1.5E 03 XX

2.0E 03
```

3.0E 03

5.0E 03

7.0E 03 XX

N	L	H	B	T	G	ANALYTICAL VALUES
4	8	0	0	0	0	46
6.90	13.79			0.0	0.0	

MAXIMUM = 7.00000E 03

MINIMUM = 5.00000E 00

GEOMETRIC MEAN = 5.15366E 01

GEOMETRIC DEVIATION = 4.12530E 00

FREQUENCY TABLE FOR COLUMN 17 (LA PPM)

LIMITS LOWER	- UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
1.8E 01 -	2.6E 01	0	0	0.0	0.0
2.6E 01 -	3.8E 01	1	1	1.72	1.72

HISTOGRAM FOR COLUMN 17 (LA PPM)

3.0E 01 XX

N	L	H	B	T	G	ANALYTICAL VALUES
43	14	0	0	0	0	1
74.14	24.14			0.0	0.0	

MAXIMUM = 3.00000E 01

MINIMUM = 3.00000E 01

GEOMETRIC MEAN = 3.00000E 01

GEOMETRIC DEVIATION = 9.99900E 48

FREQUENCY TABLE FOR COLUMN 18 (MO PPM)

LIMITS LOWER - UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
3.8E 00 - 5.6E 00	4	4	6.90	6.90
5.6E 00 - 8.3E 00	3	7	5.17	12.07
8.3E 00 - 1.2E 01	2	9	3.45	15.52
1.2E 01 - 1.8E 01	8	17	13.79	29.31
1.8E 01 - 2.6E 01	0	17	0.0	29.31
2.6E 01 - 3.8E 01	1	18	1.72	31.03

HISTOGRAM FOR COLUMN 18 (MO PPM)

```
5.0E 00 XXXXXXX

7.0E 00 XXXXX

1.0E 01 XXX

1.5E 01 XXXXXXXXXXXXX

2.0E 01

3.0E 01 XX
```

N	L	H	B	T	G	ANALYTICAL VALUES
21	19	0	0	0	0	18
36.21	32.76			0.0	0.0	

MAXIMUM = 3.00000E 01

MINIMUM = 5.00000E 00

GEOMETRIC MEAN = 1.02814E 01

GEOMETRIC DEVIATION = 1.70236E 00

FREQUENCY TABLE FOR COLUMN 19 (NB PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
8.3E 00 -	1.2E 01	27	27	46.55	46.55
1.2E 01 -	1.8E 01	6	33	10.34	56.90

HISTOGRAM FOR COLUMN 19 (NB PPM)

```
1.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

1.5E 01 XXXXXXXXXX
```

N	L	H	B	T	G	ANALYTICAL VALUES
0	25	0	0	0	0	33
0.0	43.10			0.0	0.0	

MAXIMUM = 1.50000E 01

MINIMUM = 1.00000E 01

GEOMETRIC MEAN = 1.07649E 01

GEOMETRIC DEVIATION = 1.17226E 00

FREQUENCY TABLE FOR COLUMN 20 (NI PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
3.8E 00 -	5.6E 00	2	2	3.45	3.45
5.6E 00 -	8.3E 00	5	7	8.62	12.07
8.3E 00 -	1.2E 01	5	12	8.62	20.69
1.2E 01 -	1.8E 01	4	16	6.90	27.59
1.8E 01 -	2.6E 01	9	25	15.52	43.10
2.6E 01 -	3.8E 01	15	40	25.86	68.97
3.8E 01 -	5.6E 01	3	43	5.17	74.14
5.6E 01 -	8.3E 01	4	47	6.90	81.03
8.3E 01 -	1.2E 02	8	55	13.79	94.83
1.2E 02 -	1.8E 02	1	56	1.72	96.55

HISTOGRAM FOR COLUMN 20 (NI PPM)

```
5.0E 00 XXX

7.0E 00 XXXXXXXXX

1.0E 01 XXXXXXXXX

1.5E 01 XXXXXXX

2.0E 01 XXXXXXXXXXXXXXXX

3.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXXX

5.0E 01 XXXXX

7.0E 01 XXXXXXX

1.0E 02 XXXXXXXXXXXXXX

1.5E 02 XX
```

N	L	H	B	T	G	ANALYTICAL VALUES
2	0	0	0	0	0	56
3.45	0.0			0.0	0.0	

MAXIMUM = 1.50000E 02

MINIMUM = 5.00000E 00

GEOMETRIC MEAN = 2.66586E 01

GEOMETRIC DEVIATION = 2.43375E 00

FREQUENCY TABLE FOR COLUMN 21 (PB PPM)

LIMITS LOWER	- UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
8.3E 00 -	1.2E 01	5	5	8.62	8.62
1.2E 01 -	1.8E 01	4	9	6.90	15.52
1.8E 01 -	2.6E 01	3	12	5.17	20.69
2.6E 01 -	3.8E 01	1	13	1.72	22.41
3.8E 01 -	5.6E 01	0	13	0.0	22.41
5.6E 01 -	8.3E 01	0	13	0.0	22.41
8.3E 01 -	1.2E 02	0	13	0.0	22.41
1.2E 02 -	1.8E 02	1	14	1.72	24.14

HISTOGRAM FOR COLUMN 21 (PB PPM)

```
1.0E 01 XXXXXXXXX

1.5E 01 XXXXXXX

2.0E 01 XXXXX

3.0E 01 XX

5.0E 01

7.0E 01

1.0E 02

1.5E 02 XX
```

N	L	H	B	T	G	ANALYTICAL VALUES
30	14	0	0	0	0	14
51.72	24.14			0.0	0.0	

MAXIMUM = 1.50000E 02

MINIMUM = 1.00000E 01

GEOMETRIC MEAN = 1.70963E 01

GEOMETRIC DEVIATION = 2.04059E 00

FREQUENCY TABLE FOR COLUMN 22 (SB PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM	ANALYTICAL VALUES
N	L	H	B	T	G	
58	0	0	0	0	0	0
*****	0.0			0.0	0.0	

MAXIMUM = -9.99900E 48

MINIMUM = 9.99900E 48

GEOMETRIC MEAN = 9.99900E 48

GEOMETRIC DEVIATION = 9.99900E 48

FREQUENCY TABLE FOR COLUMN 23 (SC PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
3.8E 00 -	5.6E 00	9	9	15.52	15.52
5.6E 00 -	8.3E 00	5	14	8.62	24.14
8.3E 00 -	1.2E 01	6	20	10.34	34.48
1.2E 01 -	1.8E 01	15	35	25.86	60.34
1.8E 01 -	2.6E 01	7	42	12.07	72.41
2.6E 01 -	3.8E 01	6	48	10.34	82.76
3.8E 01 -	5.6E 01	1	49	1.72	84.48

HISTOGRAM FOR COLUMN 23 (SC PPM)

```
5.0E 00 XXXXXXXXXXXXXXX

7.0E 00 XXXXXXXXX

1.0E 01 XXXXXXXXXX

1.5E 01 XXXXXXXXXXXXXXXXXXXXXXXXX

2.0E 01 XXXXXXXXXXXX

3.0E 01 XXXXXXXXXX

5.0E 01 XX
```

N	L	H	B	T	G	ANALYTICAL VALUES
6	3	0	0	0	0	49
10.34	5.17			0.0	0.0	

MAXIMUM = 5.00000E 01

MINIMUM = 5.00000E 00

GEOMETRIC MEAN = 1.25457E 01

GEOMETRIC DEVIATION = 1.84803E 00

FREQUENCY TABLE FOR COLUMN 24 (SN PPM)

LIMITS LOWER	- UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
8.3E 00 -	1.2E 01	0	0	0.0	0.0
1.2E 01 -	1.8E 01	0	0	0.0	0.0
1.8E 01 -	2.6E 01	1	1	1.72	1.72
2.6E 01 -	3.8E 01	1	2	1.72	3.45

HISTOGRAM FOR COLUMN 24 (SN PPM)

```
2.0E 01 XX

3.0E 01 XX
```

N	L	H	B	T	G	ANALYTICAL VALUES
56	0	0	0	0	0	2
96.55	0.0			0.0	0.0	

MAXIMUM = 3.00000E 01

MINIMUM = 2.00000E 01

GEOMETRIC MEAN = 2.44948E 01

GEOMETRIC DEVIATION = 1.33203E 00

FREQUENCY TABLE FOR COLUMN 25 (SR PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
8.3E 01 -	1.2E 02	5	5	8.62	8.62
1.2E 02 -	1.8E 02	5	10	8.62	17.24
1.8E 02 -	2.6E 02	6	16	10.34	27.59
2.6E 02 -	3.8E 02	18	34	31.03	58.62
3.8E 02 -	5.6E 02	8	42	13.79	72.41
5.6E 02 -	8.3E 02	4	46	6.90	79.31

HISTOGRAM FOR COLUMN 25 (SR PPM)

```
1.0E 02 XXXXXXXXX

1.5E 02 XXXXXXXXX

2.0E 02 XXXXXXXXXX

3.0E 02 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

5.0E 02 XXXXXXXXXXXXXX

7.0E 02 XXXXXXX
```

N	L	H	B	T	G	ANALYTICAL VALUES
9	3	0	0	0	0	46
15.52	5.17			0.0	0.0	

MAXIMUM = 7.00000E 02

MINIMUM = 1.00000E 02

GEOMETRIC MEAN = 2.75514E 02

GEOMETRIC DEVIATION = 1.74864E 00

FREQUENCY TABLE FOR COLUMN 26 (V PPM)

LIMITS LOWER	- UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
8.3E 00 -	1.2E 01	0	0	0.0	0.0
1.2E 01 -	1.8E 01	5	5	8.62	8.62
1.8E 01 -	2.6E 01	3	8	5.17	13.79
2.6E 01 -	3.8E 01	5	13	8.62	22.41
3.8E 01 -	5.6E 01	2	15	3.45	25.86
5.6E 01 -	8.3E 01	6	21	10.34	36.21
8.3E 01 -	1.2E 02	4	25	6.90	43.10
1.2E 02 -	1.8E 02	13	38	22.41	65.52
1.8E 02 -	2.6E 02	5	43	8.62	74.14
2.6E 02 -	3.8E 02	10	53	17.24	91.38
3.8E 02 -	5.6E 02	3	56	5.17	96.55
5.6E 02 -	8.3E 02	2	58	3.45	100.00

HISTOGRAM FOR COLUMN 26 (V PPM)

```
1.5E 01 XXXXXXXXX

2.0E 01 XXXXX

3.0E 01 XXXXXXXXX

5.0E 01 XXX

7.0E 01 XXXXXXXXXX

1.0E 02 XXXXXXX

1.5E 02 XXXXXXXXXXXXXXXXXXXXX

2.0E 02 XXXXXXXXX

3.0E 02 XXXXXXXXXXXXXXXXX

5.0E 02 XXXXX

7.0E 02 XXX
```

N	L	H	B	T	G	ANALYTICAL VALUES
0	0	0	0	0	0	58
0.0	0.0			0.0	0.0	

MAXIMUM = 7.00000E 02

MINIMUM = 1.50000E 01

GEOMETRIC MEAN = 1.08221E 02

GEOMETRIC DEVIATION = 2.94107E 00

FREQUENCY TABLE FOR COLUMN 27 (W PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM	ANALYTICAL VALUES
N	L	H	B	T	G	
58	0	0	0	0	0	0
*****	0.0			0.0	0.0	

MAXIMUM = -9.99900E 48

MINIMUM = 9.99900E 48

GEOMETRIC MEAN = 9.99900E 48

GEOMETRIC DEVIATION = 9.99900E 48

FREQUENCY TABLE FOR COLUMN 28 (Y PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
8.3E 00 -	1.2E 01	19	19	32.76	32.76
1.2E 01 -	1.8E 01	9	28	15.52	48.28
1.8E 01 -	2.6E 01	16	44	27.59	75.86
2.6E 01 -	3.8E 01	7	51	12.07	87.93

HISTOGRAM FOR COLUMN 28 (Y PPM)

```
1.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

1.5E 01 XXXXXXXXXXXXXXXX

2.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXX

3.0E 01 XXXXXXXXXXXX
```

N	L	H	B	T	G	ANALYTICAL VALUES
2	5	0	0	0	0	51
3.45	8.62			0.0	0.0	

MAXIMUM = 3.00000E 01

MINIMUM = 1.00000E 01

GEOMETRIC MEAN = 1.55237E 01

GEOMETRIC DEVIATION = 1.48258E 00

FREQUENCY TABLE FOR COLUMN 29 (ZN PPM)

LIMITS LOWER - UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
1.8E 02 - 2.6E 02	2	2	3.45	3.45
2.6E 02 - 3.8E 02	3	5	5.17	8.62
3.8E 02 - 5.6E 02	0	5	0.0	8.62
5.6E 02 - 8.3E 02	3	8	5.17	13.79

HISTOGRAM FOR COLUMN 29 (ZN PPM)

```
2.0E 02 XXX

3.0E 02 XXXXX

5.0E 02

7.0E 02 XXXXX
```

N	L	H	B	T	G	ANALYTICAL VALUES
29	21	0	0	0	0	8
50.00	36.21			0.0	0.0	

MAXIMUM = 7.00000E 02

MINIMUM = 2.00000E 02

GEOMETRIC MEAN = 3.72466E 02

GEOMETRIC DEVIATION = 1.73121E 00

FREQUENCY TABLE FOR COLUMN 30 (ZR PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
8.3E 00 -	1.2E 01	0	0	0.0	0.0
1.2E 01 -	1.8E 01	0	0	0.0	0.0
1.8E 01 -	2.6E 01	0	0	0.0	0.0
2.6E 01 -	3.8E 01	1	1	1.72	1.72
3.8E 01 -	5.6E 01	7	8	12.07	13.79
5.6E 01 -	8.3E 01	31	39	53.45	67.24
8.3E 01 -	1.2E 02	8	47	13.79	81.03
1.2E 02 -	1.8E 02	3	50	5.17	86.21
1.8E 02 -	2.6E 02	2	52	3.45	89.66
2.6E 02 -	3.8E 02	0	52	0.0	89.66
3.8E 02 -	5.6E 02	1	53	1.72	91.38

HISTOGRAM FOR COLUMN 30 (ZR PPM)

```
3.0E 01 XX

5.0E 01 XXXXXXXXXXXX

7.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

1.0E 02 XXXXXXXXXXXXXX

1.5E 02 XXXXX

2.0E 02 XXX

3.0E 02

5.0E 02 XX
```

N	L	H	B	T	G	ANALYTICAL VALUES
2	3	0	0	0	0	53
3.45	5.17			0.0	0.0	

MAXIMUM = 5.00000E 02

MINIMUM = 3.00000E 01

GEOMETRIC MEAN = 7.83938E 01

GEOMETRIC DEVIATION = 1.53892E 00

FREQUENCY TABLE FOR COLUMN 31 (AU PPM)

LIMITS LOWER	- UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
1.8E-02 -	2.6E-02	0	0	0.0	0.0
2.6E-02 -	3.8E-02	0	0	0.0	0.0
3.8E-02 -	5.6E-02	0	0	0.0	0.0
5.6E-02 -	8.3E-02	1	1	1.72	1.72
8.3E-02 -	1.2E-01	0	1	0.0	1.72
1.2E-01 -	1.8E-01	0	1	0.0	1.72
1.8E-01 -	2.6E-01	0	1	0.0	1.72
2.6E-01 -	3.8E-01	0	1	0.0	1.72
3.8E-01 -	5.6E-01	0	1	0.0	1.72
5.6E-01 -	8.3E-01	0	1	0.0	1.72
8.3E-01 -	1.2E 00	0	1	0.0	1.72
1.2E 00 -	1.8E 00	1	2	1.72	3.45

HISTOGRAM FOR COLUMN 31 (AU PPM)

```
7.0E-02 XX

1.0E-01

1.5E-01

2.0E-01

3.0E-01

5.0E-01

7.0E-01

1.0E 00

1.5E 00 XX
```

N	L	H	B	T	G	ANALYTICAL VALUES
0	56	0	0	0	0	2
0.0	96.55			0.0	0.0	

MAXIMUM = 1.50000E 00

MINIMUM = 6.00000E-02

GEOMETRIC MEAN = 3.00001E-01

GEOMETRIC DEVIATION = 9.73851E 00

A470 STATISTICAL SUMMARY DATE 4/27/70

ELEMENT	N	L	H	B	T	G	ANALYTICAL VALUES
FE PCT	0	2	0	0	0	1	55
MG PCT	0	0	0	0	0	0	58
CA PCT	0	0	0	0	0	2	56
TI PCT	0	0	0	0	0	0	58
MN PPM	0	0	0	0	0	2	56
AG PPM	46	5	0	0	0	0	7
AS PPM	58	0	0	0	0	0	0
AU PPM	58	0	0	0	0	0	0
B PPM	28	10	0	0	0	0	20
BA PPM	0	5	0	0	0	1	52
BE PPM	23	20	0	0	0	0	15
BI PPM	58	0	0	0	0	0	0
CD PPM	57	0	0	0	0	0	1
CO PPM	8	3	0	0	0	0	47
CR PPM	0	15	0	0	0	0	43
CU PPM	4	8	0	0	0	0	46
LA PPM	43	14	0	0	0	0	1
MO PPM	21	19	0	0	0	0	18
NB PPM	0	25	0	0	0	0	33
NI PPM	2	0	0	0	0	0	56
PB PPM	30	14	0	0	0	0	14
SB PPM	58	0	0	0	0	0	0
SC PPM	6	3	0	0	0	0	49
SN PPM	56	0	0	0	0	0	2
SR PPM	9	3	0	0	0	0	46
V PPM	0	0	0	0	0	0	58
W PPM	58	0	0	0	0	0	0
Y PPM	2	5	0	0	0	0	51
ZN PPM	29	21	0	0	0	0	8
ZR PPM	2	3	0	0	0	0	53
AU PPM	0	56	0	0	0	0	2

ELEMENT	GEOMETRIC MEAN	GEOMETRIC DEVIATION	REMARKS		
FE PCT	********	******	1 GREATER THAN VALUES. NO COMPUTATIONS.		
MG PCT	1.084113	2.63	58 SAMPLES AND 58 ANALYTICAL VALUES.		
CA PCT	********	******	2 GREATER THAN VALUES. NO COMPUTATIONS.		
TI PCT	0.220692	2.60	58 SAMPLES AND 58 ANALYTICAL VALUES.		
MN PPM	********	******	2 GREATER THAN VALUES. NO COMPUTATIONS.		
AG PPM	0.072983	3.98	51 NOT DETECTED, LESS THAN, OR TRACE VALUES.	7 REPORTED VALUES.	
AS PPM	********	******	58 NOT DETECTED, LESS THAN, OR TRACE VALUES.	0 REPORTED VALUES.	NO COMPUTATIONS.
AU PPM	********	******	58 NOT DETECTED, LESS THAN, OR TRACE VALUES.	0 REPORTED VALUES.	NO COMPUTATIONS.
B PPM	4.718540	4.71	38 NOT DETECTED, LESS THAN, OR TRACE VALUES.	20 REPORTED VALUES.	
BA PPM	********	******	1 GREATER THAN VALUES. NO COMPUTATIONS.		
BE PPM	0.573164	1.77	43 NOT DETECTED, LESS THAN, OR TRACE VALUES.	15 REPORTED VALUES.	
BI PPM	********	******	58 NOT DETECTED, LESS THAN, OR TRACE VALUES.	0 REPORTED VALUES.	NO COMPUTATIONS.
CD PPM	********	******	57 NOT DETECTED, LESS THAN, OR TRACE VALUES.	1 REPORTED VALUES.	NO COMPUTATIONS.
CO PPM	9.267591	2.68	11 NOT DETECTED, LESS THAN, OR TRACE VALUES.	47 REPORTED VALUES.	
CR PPM	14.453431	5.15	15 NOT DETECTED, LESS THAN, OR TRACE VALUES.	43 REPORTED VALUES.	
CU PPM	24.043167	7.37	12 NOT DETECTED, LESS THAN, OR TRACE VALUES.	46 REPORTED VALUES.	
LA PPM	********	******	57 NOT DETECTED, LESS THAN, OR TRACE VALUES.	1 REPORTED VALUES.	NO COMPUTATIONS.
MO PPM	2.036253	3.94	40 NOT DETECTED, LESS THAN, OR TRACE VALUES.	18 REPORTED VALUES.	
NB PPM	8.795280	1.32	25 NOT DETECTED, LESS THAN, OR TRACE VALUES.	33 REPORTED VALUES.	
NI PPM	24.614227	2.64	2 NOT DETECTED, LESS THAN, OR TRACE VALUES.	56 REPORTED VALUES.	
PB PPM	3.138995	3.74	44 NOT DETECTED, LESS THAN, OR TRACE VALUES.	14 REPORTED VALUES.	

SB PPM	********	******	58 NOT DETECTED, LESS THAN, OR TRACE VALUES.	0 REPORTED VALUES.	NO COMPUTATIONS.
SC PPM	9.794670	2.27	9 NOT DETECTED, LESS THAN, OR TRACE VALUES.	49 REPORTED VALUES.	
SN PPM	********	******	56 NOT DETECTED, LESS THAN, OR TRACE VALUES.	2 REPORTED VALUES.	NO COMPUTATIONS.
SR PPM	195.767548	2.34	12 NOT DETECTED, LESS THAN, OR TRACE VALUES.	46 REPORTED VALUES.	
V PPM	108.220291	2.94	58 SAMPLES AND 58 ANALYTICAL VALUES.		
W PPM	********	******	58 NOT DETECTED, LESS THAN, OR TRACE VALUES.	0 REPORTED VALUES.	NO COMPUTATIONS.
Y PPM	13.974360	1.60	7 NOT DETECTED, LESS THAN, OR TRACE VALUES.	51 REPORTED VALUES.	
ZN PPM	35.951492	4.16	50 NOT DETECTED, LESS THAN, OR TRACE VALUES.	8 REPORTED VALUES.	
ZR PPM	63.099716	2.27	5 NOT DETECTED, LESS THAN, OR TRACE VALUES.	53 REPORTED VALUES.	
AU PPM	********	******	56 NOT DETECTED, LESS THAN, OR TRACE VALUES.	2 REPORTED VALUES.	NO COMPUTATIONS.

TABLE 3 CRAIG B-5 STREAM SEDIMENTS

MAP NUMBER	SAMPLE	FE PCT	MG PCT	CA PCT	TI PCT	MN PPM	AG PPM	AS PPM	AU PPM	B PPM	BA PPM
33	ACL338	3.0000	1.5000	0.7000	0.3000	1000.0000	0.0 N	0.0 N	0.0 N	30.0000	700.0000
34	ACL339	5.0000	2.0000	0.7000	0.5000	1500.0000	0.0 N	0.0 N	0.0 N	30.0000	1000.0000
35	ACL307	5.0000	1.0000	1.0000	0.3000	3000.0000	0.0 N	0.0 N	0.0 N	30.0000	500.0000
36	ACL308	3.0000	1.5000	0.7000	0.3000	1500.0000	0.0 L	0.0 N	0.0 N	100.0000	700.0000
37	ACL341	10.0000	3.0000	1.5000	0.5000	2000.0000	0.0 N	0.0 N	0.0 N	50.0000	1500.0000
38	ACL340	5.0000	1.5000	0.7000	0.3000	1500.0000	0.0 N	0.0 N	0.0 N	30.0000	500.0000
39	ACL342	5.0000	2.0000	1.5000	0.7000	1500.0000	0.0 N	0.0 N	0.0 N	30.0000	500.0000
40	ACL336	7.0000	1.5000	1.5000	0.3000	1500.0000	0.0 N	0.0 N	0.0 N	15.0000	300.0000
41	ACL319	7.0000	3.0000	3.0000	0.5000	1500.0000	0.0 N	0.0 N	0.0 N	10.0000	300.0000
42	ACL302	7.0000	2.0000	1.0000	0.5000	1500.0000	0.0 N	0.0 N	0.0 N	100.0000	1000.0000
43	ACL301	3.0000	1.5000	0.7000	0.3000	1500.0000	0.0 L	0.0 N	0.0 N	70.0000	1000.0000
44	ACL350	5.0000	1.5000	0.7000	0.3000	1500.0000	0.0 N	0.0 N	0.0 N	70.0000	1500.0000
45	ACL349	3.0000	1.5000	0.7000	0.2000	1000.0000	0.0 N	0.0 N	0.0 N	50.0000	700.0000
46	ACL316	7.0000	2.0000	1.5000	0.7000	1500.0000	0.0 N	0.0 N	0.0 N	15.0000	300.0000
47	ACL317	10.0000	2.0000	1.5000	0.7000	1500.0000	0.0 N	0.0 N	0.0 N	20.0000	300.0000
48	ACL318	10.0000	3.0000	1.5000	0.7000	1500.0000	0.0 N	0.0 N	0.0 N	30.0000	200.0000
49	ACL348	15.0000	3.0000	1.5000	0.7000	1500.0000	0.0 N	0.0 N	0.0 N	30.0000	300.0000
50	ACL344	15.0000	3.0000	1.5000	0.7000	1500.0000	0.0 N	0.0 N	0.0 N	70.0000	700.0000
51	ACL478	10.0000	3.0000	2.0000	0.7000	1500.0000	0.0 L	0.0 N	0.0 N	30.0000	150.0000
52	ACL468	15.0000	5.0000	2.0000	1.0000	2000.0000	0.0 N	0.0 N	0.0 N	15.0000	50.0000
53	ACL310	15.0000	3.0000	1.5000	0.7000	1500.0000	0.0 N	0.0 N	0.0 N	20.0000	300.0000
54	ACL309	15.0000	3.0000	1.5000	0.7000	2000.0000	0.0 N	0.0 N	0.0 N	15.0000	200.0000
55	ACL311	15.0000	3.0000	2.0000	1.0000	1500.0000	0.0 L	0.0 N	0.0 N	30.0000	200.0000
56	ACL312	15.0000	3.0000	3.0000	1.0000	2000.0000	0.0 N	0.0 N	0.0 N	20.0000	150.0000
57	ACL313	15.0000	5.0000	2.0000	1.0000	1500.0000	0.0 N	0.0 N	0.0 N	20.0000	200.0000
58	ACL314	5.0000	1.5000	1.5000	0.7000	1500.0000	0.0 N	0.0 N	0.0 N	15.0000	200.0000
59	ACL315	15.0000	3.0000	2.0000	1.0000	2000.0000	0.0 N	0.0 N	0.0 N	30.0000	300.0000
60	ACL469	7.0000	1.5000	0.7000	0.5000	1500.0000	0.0 L	0.0 N	0.0 N	50.0000	1500.0000
61	ACL479	5.0000	1.5000	1.5000	0.3000	700.0000	0.5000	0.0 N	0.0 N	30.0000	1500.0000
62	ACL481	15.0000	3.0000	3.0000	0.3000	1500.0000	0.0 L	0.0 N	0.0 N	50.0000	300.0000
63	ACL471	5.0000	2.0000	2.0000	0.3000	1000.0000	0.0 N	0.0 N	0.0 N	20.0000	1000.0000
64	ACL470	7.0000	2.0000	2.0000	0.5000	1000.0000	0.0 N	0.0 N	0.0 N	15.0000	700.0000
65	ACL472	7.0000	2.0000	1.5000	0.5000	1500.0000	0.0 L	0.0 N	0.0 N	30.0000	1500.0000
66	ACL473	3.0000	1.0000	2.0000	0.3000	3000.0000	0.0 L	0.0 N	0.0 N	0.0 L	300.0000
67	ACL459	3.0000	0.3000	1.5000	0.2000	1500.0000	0.0 L	0.0 N	0.0 N	0.0 L	200.0000
68	ACL480	2.0000	0.7000	1.5000	0.1500	1500.0000	0.0 N	0.0 N	0.0 N	0.0 N	200.0000
69	ACL482	5.0000	0.7000	1.5000	0.3000	1500.0000	0.5000	0.0 N	0.0 N	0.0 L	300.0000
70	ACL483	3.0000	1.0000	1.5000	0.2000	1500.0000	0.0 N	0.0 N	0.0 N	0.0 L	700.0000
71	ACL496	7.0000	1.0000	1.0000	0.5000	1000.0000	0.0 N	0.0 N	0.0 N	20.0000	3000.0000
72	ACL497	5.0000	1.5000	1.5000	0.5000	1500.0000	0.0 N	0.0 N	0.0 N	20.0000	3000.0000
73	ACL495	5.0000	1.5000	1.5000	0.3000	1500.0000	0.0 N	0.0 N	0.0 N	30.0000	2000.0000

CRAIG B-5 STREAM SEDIMENTS

	SAMPLE	BE PPM	BI PPM	CD PPM	CO PPM	CR PPM	CU PPM	LA PPM	MO PPM	NB PPM	NI PPM
33	ACL338	0.0 L	0.0 N	0.0 N	5.0000	30.0000	20.0000	0.0 L	0.0 N	0.0 L	15.0000
34	ACL339	0.0 L	0.0 N	0.0 N	15.0000	100.0000	30.0000	0.0 L	0.0 L	0.0 L	30.0000
35	ACL307	1.0000	0.0 N	0.0 N	30.0000	70.0000	50.0000	0.0 L	0.0 L	10.0000	30.0000
36	ACL308	1.0000	0.0 N	0.0 N	20.0000	70.0000	700.0000	0.0 L	0.0 N	0.0 L	30.0000
37	ACL341	0.0 L	0.0 N	0.0 N	30.0000	150.0000	70.0000	0.0 L	0.0 L	10.0000	30.0000
38	ACL340	0.0 L	0.0 N	0.0 N	15.0000	70.0000	50.0000	0.0 N	0.0 L	0.0 L	30.0000
39	ACL342	0.0 L	0.0 N	0.0 N	15.0000	50.0000	15.0000	0.0 L	0.0 L	10.0000	20.0000
40	ACL336	0.0 L	0.0 N	0.0 N	15.0000	150.0000	50.0000	0.0 L	0.0 N	10.0000	30.0000
41	ACL319	0.0 L	0.0 N	0.0 N	20.0000	30.0000	70.0000	0.0 L	0.0 L	10.0000	30.0000
42	ACL302	0.0 L	0.0 N	0.0 N	30.0000	100.0000	150.0000	0.0 L	0.0 L	10.0000	30.0000
43	ACL301	0.0 L	0.0 N	0.0 N	20.0000	30.0000	300.0000	0.0 L	0.0 L	0.0 L	30.0000
44	ACL350	0.0 L	0.0 N	0.0 N	15.0000	50.0000	200.0000	0.0 L	0.0 L	0.0 L	30.0000
45	ACL349	0.0 L	0.0 N	0.0 N	10.0000	30.0000	150.0000	0.0 L	0.0 N	0.0 L	15.0000
46	ACL316	0.0 L	0.0 N	0.0 N	30.0000	100.0000	70.0000	0.0 L	0.0 L	10.0000	50.0000
47	ACL317	0.0 L	0.0 N	0.0 N	30.0000	150.0000	50.0000	0.0 L	0.0 L	10.0000	30.0000
48	ACL318	0.0 L	0.0 N	0.0 N	30.0000	150.0000	100.0000	0.0 L	0.0 L	10.0000	70.0000
49	ACL348	0.0 L	0.0 N	0.0 N	20.0000	150.0000	70.0000	0.0 L	0.0 N	10.0000	50.0000
50	ACL344	0.0 L	0.0 N	0.0 N	30.0000	150.0000	70.0000	0.0 L	0.0 L	15.0000	70.0000
51	ACL478	0.0 L	0.0 N	0.0 N	30.0000	150.0000	70.0000	0.0 L	0.0 L	15.0000	70.0000
52	ACL468	0.0 L	0.0 N	0.0 N	50.0000	200.0000	70.0000	0.0 N	0.0 L	10.0000	70.0000
53	ACL310	0.0 L	0.0 N	0.0 N	30.0000	150.0000	70.0000	0.0 L	0.0 L	10.0000	50.0000
54	ACL309	0.0 L	0.0 N	0.0 N	50.0000	150.0000	150.0000	0.0 L	0.0 L	10.0000	70.0000
55	ACL311	0.0 L	0.0 N	0.0 N	30.0000	150.0000	100.0000	0.0 L	0.0 L	10.0000	70.0000
56	ACL312	0.0 L	0.0 N	0.0 N	50.0000	150.0000	150.0000	0.0 L	0.0 L	10.0000	70.0000
57	ACL313	0.0 L	0.0 N	0.0 N	70.0000	150.0000	70.0000	0.0 N	0.0 L	10.0000	70.0000
58	ACL314	1.0000	0.0 N	0.0 N	20.0000	70.0000	70.0000	0.0 L	0.0 N	10.0000	30.0000
59	ACL315	0.0 L	0.0 N	0.0 N	50.0000	150.0000	70.0000	0.0 L	0.0 L	10.0000	70.0000
60	ACL469	1.0000	0.0 N	0.0 N	20.0000	70.0000	30.0000	0.0 L	5.0000	10.0000	70.0000
61	ACL479	1.0000	0.0 N	0.0 N	15.0000	70.0000	50.0000	30.0000	7.0000	10.0000	70.0000
62	ACL481	1.5000	0.0 N	0.0 N	30.0000	70.0000	100.0000	0.0 L	0.0 L	15.0000	70.0000
63	ACL471	0.0 L	0.0 N	0.0 N	10.0000	30.0000	30.0000	20.0000	7.0000	10.0000	30.0000
64	ACL470	1.0000	0.0 N	0.0 N	15.0000	50.0000	50.0000	0.0 L	15.0000	10.0000	30.0000
65	ACL472	0.0 L	0.0 N	0.0 N	15.0000	50.0000	50.0000	30.0000	7.0000	10.0000	70.0000
66	ACL473	1.0000	0.0 N	0.0 N	15.0000	10.0000	15.0000	0.0 L	15.0000	10.0000	10.0000
67	ACL459	0.0 L	0.0 N	0.0 N	7.0000	0.0 L	5.0000	0.0 L	15.0000	10.0000	7.0000
68	ACL480	0.0 L	0.0 N	0.0 N	5.0000	0.0 L	0.0 L	150.0000	0.0 N	10.0000	5.0000
69	ACL482	0.0 L	0.0 N	0.0 N	7.0000	5.0000	15.0000	0.0 L	0.0 N	10.0000	7.0000
70	ACL483	0.0 L	0.0 N	0.0 N	10.0000	15.0000	15.0000	0.0 L	0.0 L	10.0000	30.0000
71	ACL496	1.5000	0.0 N	0.0 N	15.0000	70.0000	30.0000	0.0 L	10.0000	15.0000	30.0000
72	ACL497	1.0000	0.0 N	0.0 N	15.0000	70.0000	30.0000	0.0 L	7.0000	15.0000	30.0000
73	ACL495	1.0000	0.0 N	0.0 N	20.0000	70.0000	30.0000	0.0 L	7.0000	10.0000	30.0000

CRAIG B-5 STREAM SEDIMENTS

	SAMPLE	PB PPM	SB PPM	SC PPM	SN PPM	SR PPM	V PPM	W PPM	Y PPM	ZN PPM	ZR PPM
33	ACL338	15.0000	0.0 N	10.0000	0.0 N	300.0000	150.0000	0.0 N	10.0000	0.0 L	70.0000
34	ACL339	10.0000	0.0 N	10.0000	0.0 N	300.0000	200.0000	0.0 N	15.0000	0.0 L	150.0000
35	ACL307	30.0000	0.0 N	15.0000	10.0000	300.0000	150.0000	0.0 N	15.0000	0.0 L	70.0000
36	ACL306	70.0000	0.0 N	15.0000	100.0000	300.0000	200.0000	0.0 N	15.0000	0.0 L	70.0000
37	ACL341	20.0000	0.0 N	20.0000	0.0 L	500.0000	300.0000	0.0 N	15.0000	0.0 L	70.0000
38	ACL340	15.0000	0.0 N	15.0000	0.0 N	300.0000	200.0000	0.0 N	10.0000	0.0 L	70.0000
39	ACL342	10.0000	0.0 N	15.0000	0.0 N	500.0000	300.0000	0.0 N	20.0000	0.0 L	70.0000
40	ACL336	15.0000	0.0 N	15.0000	0.0 N	300.0000	200.0000	0.0 N	15.0000	0.0 L	100.0000
41	ACL319	15.0000	0.0 N	20.0000	0.0 N	500.0000	200.0000	0.0 N	15.0000	200.0000	70.0000
42	ACL302	30.0000	0.0 N	20.0000	30.0000	300.0000	300.0000	0.0 N	15.0000	0.0 L	70.0000
43	ACL301	150.0000	0.0 N	15.0000	70.0000	300.0000	300.0000	0.0 N	15.0000	200.0000	70.0000
44	ACL350	150.0000	0.0 N	15.0000	30.0000	300.0000	200.0000	0.0 N	15.0000	200.0000	70.0000
45	ACL349	70.0000	0.0 N	15.0000	30.0000	300.0000	150.0000	0.0 N	10.0000	0.0 L	50.0000
46	ACL316	50.0000	0.0 N	30.0000	15.0000	200.0000	300.0000	0.0 N	20.0000	0.0 L	70.0000
47	ACL317	30.0000	0.0 N	30.0000	0.0 N	300.0000	300.0000	0.0 N	20.0000	0.0 L	70.0000
48	ACL318	20.0000	0.0 N	30.0000	20.0000	300.0000	300.0000	0.0 N	20.0000	0.0 L	70.0000
49	ACL348	10.0000	0.0 N	30.0000	0.0 N	300.0000	300.0000	0.0 N	15.0000	0.0 L	70.0000
50	ACL344	15.0000	0.0 N	30.0000	0.0 N	300.0000	300.0000	0.0 N	20.0000	0.0 L	70.0000
51	ACL478	0.0 L	0.0 N	30.0000	0.0 N	300.0000	300.0000	0.0 N	30.0000	0.0 L	70.0000
52	ACL468	20.0000	0.0 N	30.0000	0.0 N	300.0000	300.0000	0.0 N	20.0000	0.0 L	70.0000
53	ACL310	15.0000	0.0 N	30.0000	0.0 N	200.0000	300.0000	0.0 N	20.0000	0.0 L	50.0000
54	ACL309	20.0000	0.0 N	30.0000	10.0000	300.0000	300.0000	0.0 N	20.0000	0.0 L	70.0000
55	ACL311	30.0000	0.0 N	30.0000	15.0000	300.0000	300.0000	0.0 N	20.0000	0.0 L	70.0000
56	ACL312	30.0000	0.0 N	30.0000	15.0000	300.0000	300.0000	0.0 N	30.0000	0.0 L	70.0000
57	ACL313	15.0000	0.0 N	30.0000	0.0 L	300.0000	300.0000	0.0 N	30.0000	0.0 L	100.0000
58	ACL314	15.0000	0.0 N	20.0000	0.0 N	200.0000	200.0000	0.0 N	20.0000	0.0 L	70.0000
59	ACL315	15.0000	0.0 N	30.0000	0.0 N	200.0000	300.0000	0.0 N	20.0000	0.0 L	100.0000
60	ACL469	70.0000	0.0 N	15.0000	0.0 N	300.0000	200.0000	0.0 N	15.0000	0.0 L	100.0000
61	ACL479	15.0000	0.0 N	10.0000	0.0 N	300.0000	200.0000	0.0 N	20.0000	300.0000	70.0000
62	ACL481	15.0000	0.0 N	30.0000	0.0 N	300.0000	200.0000	0.0 N	30.0000	0.0 L	100.0000
63	ACL471	20.0000	0.0 N	15.0000	0.0 N	500.0000	200.0000	0.0 N	15.0000	0.0 L	70.0000
64	ACL470	20.0000	0.0 N	15.0000	0.0 N	500.0000	150.0000	0.0 N	15.0000	0.0 L	70.0000
65	ACL472	20.0000	0.0 N	20.0000	0.0 N	300.0000	300.0000	0.0 N	30.0000	300.0000	70.0000
66	ACL473	15.0000	0.0 N	7.0000	0.0 N	500.0000	100.0000	0.0 N	15.0000	0.0 L	100.0000
67	ACL459	0.0 L	0.0 N	0.0 L	0.0 N	500.0000	30.0000	0.0 N	10.0000	0.0 L	70.0000
68	ACL480	10.0000	0.0 N	0.0 L	0.0 N	700.0000	30.0000	0.0 N	10.0000	0.0 N	70.0000
69	ACL482	100.0000	0.0 N	5.0000	0.0 N	300.0000	30.0000	0.0 N	15.0000	0.0 L	70.0000
70	ACL483	10.0000	0.0 N	7.0000	0.0 N	500.0000	70.0000	0.0 N	15.0000	0.0 L	70.0000
71	ACL496	15.0000	0.0 N	15.0000	0.0 N	300.0000	300.0000	0.0 N	20.0000	0.0 L	70.0000
72	ACL497	15.0000	0.0 N	15.0000	0.0 N	300.0000	300.0000	0.0 N	20.0000	200.0000	100.0000
73	ACL495	20.0000	0.0 N	15.0000	0.0 N	300.0000	300.0000	0.0 N	15.0000	200.0000	70.0000

CRAIG B-5 STREAM SEDIMENTS

	SAMPLE	AU PPM
33	ACL336	0.0200L
34	ACL339	0.0200L
35	ACL307	0.1000L
36	ACL308	0.0200L
37	ACL341	0.0200L
38	ACL340	0.0200L
39	ACL342	0.1000
40	ACL336	0.0200L
41	ACL319	0.0200L
42	ACL302	0.0400L
43	ACL301	0.1000L
44	ACL350	0.0200L
45	ACL349	0.0200L
46	ACL316	0.0200L
47	ACL317	0.0200L
48	ACL318	0.0200L
49	ACL348	0.0200L
50	ACL344	0.0200L
51	ACL478	0.0200L
52	ACL468	0.1000L
53	ACL310	0.0400L
54	ACL309	0.0200L
55	ACL311	0.0400L
56	ACL312	0.0200L
57	ACL313	0.0400L
58	ACL314	0.0200L
59	ACL315	0.1000L
60	ACL469	0.0200L
61	ACL479	0.0200L
62	ACL481	0.0200L
63	ACL471	0.0200L
64	ACL470	0.0200L
65	ACL472	0.0200L
66	ACL473	0.1000L
67	ACL459	0.0400L
68	ACL480	0.0200L
69	ACL482	0.3000
70	ACL483	0.0200L
71	ACL496	0.0200L
72	ACL497	0.1000L
73	ACL495	0.1000L

FREQUENCY TABLE FOR COLUMN 1 (FE PCT)

LIMITS LOWER	- UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
3.8E-02 -	5.6E-02	0	0	0.0	0.0
5.6E-02 -	8.3E-02	0	0	0.0	0.0
8.3E-02 -	1.2E-01	0	0	0.0	0.0
1.2E-01 -	1.8E-01	0	0	0.0	0.0
1.8E-01 -	2.6E-01	0	0	0.0	0.0
2.6E-01 -	3.8E-01	0	0	0.0	0.0
3.8E-01 -	5.6E-01	0	0	0.0	0.0
5.6E-01 -	8.3E-01	0	0	0.0	0.0
8.3E-01 -	1.2E 00	0	0	0.0	0.0
1.2E 00 -	1.8E 00	0	0	0.0	0.0
1.8E 00 -	2.6E 00	1	1	2.44	2.44
2.6E 00 -	3.8E 00	7	8	17.07	19.51
3.8E 00 -	5.6E 00	11	19	26.83	46.34
5.6E 00 -	8.3E 00	8	27	19.51	65.85
8.3E 00 -	1.2E 01	4	31	9.76	75.61
1.2E 01 -	1.8E 01	10	41	24.39	100.00

HISTOGRAM FOR COLUMN 1 (FE PCT)

```
2.0E 00 XX

3.0E 00 XXXXXXXXXXXXXXXXX

5.0E 00 XXXXXXXXXXXXXXXXXXXXXXXXXXX

7.0E 00 XXXXXXXXXXXXXXXXXXXX

1.0E 01 XXXXXXXXXX

1.5E 01 XXXXXXXXXXXXXXXXXXXXXXXXX
```

N	L	H	B	T	G	ANALYTICAL VALUES
0	0	0	0	0	0	41
0.0	0.0			0.0	0.0	

MAXIMUM = 1.50000E 01

MINIMUM = 2.00000E 00

GEOMETRIC MEAN = 6.69323E 00

GEOMETRIC DEVIATION = 1.80978E 00

FREQUENCY TABLE FOR COLUMN 2 (MG PCT)

LIMITS LOWER	- UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
1.8E-02 -	2.6E-02	0	0	0.0	0.0
2.6E-02 -	3.8E-02	0	0	0.0	0.0
3.8E-02 -	5.6E-02	0	0	0.0	0.0
5.6E-02 -	8.3E-02	0	0	0.0	0.0
8.3E-02 -	1.2E-01	0	0	0.0	0.0
1.2E-01 -	1.8E-01	0	0	0.0	0.0
1.8E-01 -	2.6E-01	0	0	0.0	0.0
2.6E-01 -	3.8E-01	1	1	2.44	2.44
3.8E-01 -	5.6E-01	0	1	0.0	2.44
5.6E-01 -	8.3E-01	2	3	4.88	7.32
8.3E-01 -	1.2E 00	4	7	9.76	17.07
1.2E 00 -	1.8E 00	12	19	29.27	46.34
1.8E 00 -	2.6E 00	8	27	19.51	65.85
2.6E 00 -	3.8E 00	12	39	29.27	95.12
3.8E 00 -	5.6E 00	2	41	4.88	100.00

HISTOGRAM FOR COLUMN 2 (MG PCT)

```
3.0E-01 XX

5.0E-01

7.0E-01 XXXXX

1.0E 00 XXXXXXXXXX

1.5E 00 XXXXXXXXXXXXXXXXXXXXXXXXXXXX

2.0E 00 XXXXXXXXXXXXXXXXXXXX

3.0E 00 XXXXXXXXXXXXXXXXXXXXXXXXXXXX

5.0E 00 XXXXX
```

N	L	H	B	T	G	ANALYTICAL VALUES
0	0	0	0	0	0	41
0.0	0.0			0.0	0.0	

MAXIMUM = 5.00000E 00

MINIMUM = 3.00000E-01

GEOMETRIC MEAN = 1.83530E 00

GEOMETRIC DEVIATION = 1.73197E 00

FREQUENCY TABLE FOR COLUMN 3 (CA PCT)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
3.8E-02 -	5.6E-02	0	0	0.0	0.0
5.6E-02 -	8.3E-02	0	0	0.0	0.0
8.3E-02 -	1.2E-01	0	0	0.0	0.0
1.2E-01 -	1.8E-01	0	0	0.0	0.0
1.8E-01 -	2.6E-01	0	0	0.0	0.0
2.6E-01 -	3.8E-01	0	0	0.0	0.0
3.8E-01 -	5.6E-01	0	0	0.0	0.0
5.6E-01 -	8.3E-01	8	8	19.51	19.51
8.3E-01 -	1.2E 00	3	11	7.32	26.83
1.2E 00 -	1.8E 00	19	30	46.34	73.17
1.8E 00 -	2.6E 00	8	38	19.51	92.68
2.6E 00 -	3.8E 00	3	41	7.32	100.00

HISTOGRAM FOR COLUMN 3 (CA PCT)

```
7.0E-01 XXXXXXXXXXXXXXXXXXX

1.0E 00 XXXXXXX

1.5E 00 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

2.0E 00 XXXXXXXXXXXXXXXXXXX

3.0E 00 XXXXXXX
```

N	L	H	B	T	G	ANALYTICAL VALUES
0	0	0	0	0	0	41
0.0	0.0			0.0	0.0	

MAXIMUM = 3.00000E 00

MINIMUM = 7.00000E-01

GEOMETRIC MEAN = 1.39646E 08

GEOMETRIC DEVIATION = 1.52095E 00

FREQUENCY TABLE FOR COLUMN 4 (TI PCT)

LIMITS LOWER	~ UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
1.8E-03 ~	2.6E-03	0	0	0.0	0.0
2.6E-03 ~	3.8E-03	0	0	0.0	0.0
3.8E-03 ~	5.6E-03	0	0	0.0	0.0
5.6E-03 ~	8.3E-03	0	0	0.0	0.0
8.3E-03 ~	1.2E-02	0	0	0.0	0.0
1.2E-02 ~	1.8E-02	0	0	0.0	0.0
1.8E-02 ~	2.6E-02	0	0	0.0	0.0
2.6E-02 ~	3.8E-02	0	0	0.0	0.0
3.8E-02 ~	5.6E-02	0	0	0.0	0.0
5.6E-02 ~	8.3E-02	0	0	0.0	0.0
8.3E-02 ~	1.2E-01	0	0	0.0	0.0
1.2E-01 ~	1.8E-01	1	1	2.44	2.44
1.8E-01 ~	2.6E-01	3	4	7.32	9.76
2.6E-01 ~	3.8E-01	13	17	31.71	41.46
3.8E-01 ~	5.6E-01	9	26	21.95	63.41
5.6E-01 ~	8.3E-01	10	36	24.39	87.80
8.3E-01 ~	1.2E 00	5	41	12.20	100.00

HISTOGRAM FOR COLUMN 4 (TI PCT)

```
1.5E-01 XX

2.0E-01 XXXXXXX

3.0E-01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

5.0E-01 XXXXXXXXXXXXXXXXXXXXXX

7.0E-01 XXXXXXXXXXXXXXXXXXXXXXXX

1.0E 00 XXXXXXXXXXXX
```

N	L	H	B	T	G	ANALYTICAL VALUES
0	0	0	0	0	0	41
0.0	0.0			0.0	0.0	

MAXIMUM = 1.00000E 00

MINIMUM = 1.50000E-01

GEOMETRIC MEAN = 4.56152E-01

GEOMETRIC DEVIATION = 1.67122E 00

FREQUENCY TABLE FOR COLUMN 5 (MN PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
8.3E 00 -	1.2E 01	0	0	0.0	0.0
1.2E 01 -	1.8E 01	0	0	0.0	0.0
1.8E 01 -	2.6E 01	0	0	0.0	0.0
2.6E 01 -	3.8E 01	0	0	0.0	0.0
3.8E 01 -	5.6E 01	0	0	0.0	0.0
5.6E 01 -	8.3E 01	0	0	0.0	0.0
8.3E 01 -	1.2E 02	0	0	0.0	0.0
1.2E 02 -	1.8E 02	0	0	0.0	0.0
1.8E 02 -	2.6E 02	0	0	0.0	0.0
2.6E 02 -	3.8E 02	0	0	0.0	0.0
3.8E 02 -	5.6E 02	0	0	0.0	0.0
5.6E 02 -	8.3E 02	1	1	2.44	2.44
8.3E 02 -	1.2E 03	5	6	12.20	14.63
1.2E 03 -	1.8E 03	28	34	68.29	82.93
1.8E 03 -	2.6E 03	5	39	12.20	95.12
2.6E 03 -	3.8E 03	2	41	4.88	100.00

HISTOGRAM FOR COLUMN 5 (MN PPM)

```
7.0E 02 XX

1.0E 03 XXXXXXXXXXXX

1.5E 03 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

2.0E 03 XXXXXXXXXXXX

3.0E 03 XXXXX
```

N	L	H	B	T	G	ANALYTICAL VALUES
0	0	0	0	0	0	41
0.0	0.0			0.0	0.0	

MAXIMUM = 3.00000E 03

MINIMUM = 7.00000E 02

GEOMETRIC MEAN = 1.50127E 03

GEOMETRIC DEVIATION = 1.30132E 00

FREQUENCY TABLE FOR COLUMN 6 (AG PPM)

LIMITS LOWER - UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
3.8E-01 - 5.6E-01	2	2	4.88	4.88

HISTOGRAM FOR COLUMN 6 (AG PPM)

5.0E-01 XXXXX

N	L	H	B	T	G	ANALYTICAL VALUES
30	9	0	0	0	0	2
73.17	21.95			0.0	0.0	

MAXIMUM = 5.00000E-01

MINIMUM = 5.00000E-01

GEOMETRIC MEAN = 5.00000E-01

GEOMETRIC DEVIATION = 1.00000E 00

FREQUENCY TABLE FOR COLUMN 7 (AS PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM	
N	L	H	B	T	G	ANALYTICAL VALUES
41	0	0	0	0	0	0
*****	0.0			0.0	0.0	

MAXIMUM = -9.99900E 48

MINIMUM = 9.99900E 48

GEOMETRIC MEAN = 9.99900E 48

GEOMETRIC DEVIATION = 9.99900E 48

FREQUENCY TABLE FOR COLUMN 8 (AU PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM	ANALYTICAL VALUES
N	L	H	B	T	G	
41	0	0	0	0	0	0
*****	0.0			0.0	0.0	

MAXIMUM = -9.99900E 48

MINIMUM = 9.99900E 48

GEOMETRIC MEAN = 9.99900E 48

GEOMETRIC DEVIATION = 9.99900E 48

FREQUENCY TABLE FOR COLUMN 9 (B PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
8.3E 00 -	1.2E 01	1	1	2.44	2.44
1.2E 01 -	1.8E 01	6	7	14.63	17.07
1.8E 01 -	2.6E 01	7	14	17.07	34.15
2.6E 01 -	3.8E 01	13	27	31.71	65.85
3.8E 01 -	5.6E 01	4	31	9.76	75.61
5.6E 01 -	8.3E 01	3	34	7.32	82.93
8.3E 01 -	1.2E 02	2	36	4.88	87.80

HISTOGRAM FOR COLUMN 9 (B PPM)

```
1.0E 01 XX

1.5E 01 XXXXXXXXXXXXXXX

2.0E 01 XXXXXXXXXXXXXXXXX

3.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

5.0E 01 XXXXXXXXXX

7.0E 01 XXXXXXX

1.0E 02 XXXXX
```

N	L	H	B	T	G	ANALYTICAL VALUES
1	4	0	0	0	0	36
2.44	9.76			0.0	0.0	

MAXIMUM = 1.00000E 02

MINIMUM = 1.00000E 01

GEOMETRIC MEAN = 2.90947E 01

GEOMETRIC DEVIATION = 1.76532E 00

FREQUENCY TABLE FOR COLUMN 10 (BA PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
1.8E 01 -	2.6E 01	0	0	0.0	0.0
2.6E 01 -	3.8E 01	0	0	0.0	0.0
3.8E 01 -	5.6E 01	1	1	2.44	2.44
5.6E 01 -	8.3E 01	0	1	0.0	2.44
8.3E 01 -	1.2E 02	0	1	0.0	2.44
1.2E 02 -	1.8E 02	2	3	4.88	7.32
1.8E 02 -	2.6E 02	7	10	17.07	24.39
2.6E 02 -	3.8E 02	10	20	24.39	48.78
3.8E 02 -	5.6E 02	3	23	7.32	56.10
5.6E 02 -	8.3E 02	6	29	14.63	70.73
8.3E 02 -	1.2E 03	4	33	9.76	80.49
1.2E 03 -	1.8E 03	5	38	12.20	92.68
1.8E 03 -	2.6E 03	1	39	2.44	95.12
2.6E 03 -	3.8E 03	2	41	4.88	100.00

HISTOGRAM FOR COLUMN 10 (BA PPM)

```
5.0E 01 XX

7.0E 01

1.0E 02

1.5E 02 XXXXX

2.0E 02 XXXXXXXXXXXXXXXXX

3.0E 02 XXXXXXXXXXXXXXXXXXXXXXXX

5.0E 02 XXXXXXX

7.0E 02 XXXXXXXXXXXXXXX

1.0E 03 XXXXXXXXXX

1.5E 03 XXXXXXXXXXXX

2.0E 03 XX

3.0E 03 XXXXX
```

N	L	H	B	T	G	ANALYTICAL VALUES
0	0	0	0	0	0	41
0.0	0.0			0.0	0.0	

MAXIMUM = 3.00000E 03

MINIMUM = 5.00000E 01

GEOMETRIC MEAN = 4.88200E 02

GEOMETRIC DEVIATION = 2.50213E 00

FREQUENCY TABLE FOR COLUMN 11 (BE PPM)

LIMITS LOWER	- UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
8.3E-01 -	1.2E 00	9	9	21.95	21.95
1.2E 00 -	1.8E 00	2	11	4.88	26.83

HISTOGRAM FOR COLUMN 11 (BE PPM)

```
1.0E 00 XXXXXXXXXXXXXXXXXXXXX

1.5E 00 XXXXX
```

N	L	H	B	T	G	ANALYTICAL VALUES
0	30	0	0	0	0	11
0.0	73.17			0.0	0.0	

MAXIMUM = 1.50000E 00

MINIMUM = 1.00000E 00

GEOMETRIC MEAN = 1.07651E 00

GEOMETRIC DEVIATION = 1.17824E 00

FREQUENCY TABLE FOR COLUMN 12 (BI PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM	ANALYTICAL VALUES
N	L	H	B	T	G	
41	0	0	0	0	0	0
*****	0.0			0.0	0.0	

MAXIMUM = -9.99900E 48

MINIMUM = 9.99900E 48

GEOMETRIC MEAN = 9.99900E 48

GEOMETRIC DEVIATION = 9.99900E 48

FREQUENCY TABLE FOR COLUMN 13 (CD PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM	ANALYTICAL VALUES
N	L	H	B	T	G	
41	0	0	0	0	0	0
*****	0.0			0.0	0.0	

MAXIMUM = -9.99900E 48

MINIMUM = 9.99900E 48

GEOMETRIC MEAN = 9.99900E 48

GEOMETRIC DEVIATION = 9.99900E 48

FREQUENCY TABLE FOR COLUMN 14 (CO PPM)

LIMITS LOWER	- UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
3.8E 00 -	5.6E 00	2	2	4.88	4.88
5.6E 00 -	8.3E 00	2	4	4.88	9.76
8.3E 00 -	1.2E 01	3	7	7.32	17.07
1.2E 01 -	1.8E 01	11	18	26.83	43.90
1.8E 01 -	2.6E 01	7	25	17.07	60.98
2.6E 01 -	3.8E 01	11	36	26.83	87.80
3.8E 01 -	5.6E 01	4	40	9.76	97.56
5.6E 01 -	8.3E 01	1	41	2.44	100.00

HISTOGRAM FOR COLUMN 14 (CO PPM)

```
5.0E 00 XXXXX

7.0E 00 XXXXX

1.0E 01 XXXXXXX

1.5E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXX

2.0E 01 XXXXXXXXXXXXXXXXX

3.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXX

5.0E 01 XXXXXXXXXX

7.0E 01 XX
```

N	L	H	B	T	G	ANALYTICAL VALUES
0	0	0	0	0	0	41
0.0	0.0			0.0	0.0	

MAXIMUM = 7.00000E 01

MINIMUM = 5.00000E 00

GEOMETRIC MEAN = 1.96429E 01

GEOMETRIC DEVIATION = 1.84947E 00

FREQUENCY TABLE FOR COLUMN 15 (CR PPM)

LIMITS LOWER	- UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
3.8E 00 -	5.6E 00	1	1	2.44	2.44
5.6E 00 -	8.3E 00	0	1	0.0	2.44
8.3E 00 -	1.2E 01	1	2	2.44	4.88
1.2E 01 -	1.8E 01	1	3	2.44	7.32
1.8E 01 -	2.6E 01	0	3	0.0	7.32
2.6E 01 -	3.8E 01	5	8	12.20	19.51
3.8E 01 -	5.6E 01	4	12	9.76	29.27
5.6E 01 -	8.3E 01	10	22	24.39	53.66
8.3E 01 -	1.2E 02	3	25	7.32	60.98
1.2E 02 -	1.8E 02	13	38	31.71	92.68
1.8E 02 -	2.6E 02	1	39	2.44	95.12

HISTOGRAM FOR COLUMN 15 (CR PPM)

```
5.0E 00 XX

7.0E 00

1.0E 01 XX

1.5E 01 XX

2.0E 01

3.0E 01 XXXXXXXXXXXX

5.0E 01 XXXXXXXXXX

7.0E 01 XXXXXXXXXXXXXXXXXXXXXXXX

1.0E 02 XXXXXXX

1.5E 02 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

2.0E 02 XX
```

N	L	H	B	T	G	ANALYTICAL VALUES
0	2	0	0	0	0	39
0.0	4.88			0.0	0.0	

MAXIMUM = 2.00000E 02

MINIMUM = 5.00000E 00

GEOMETRIC MEAN = 7.05755E 01

GEOMETRIC DEVIATION = 2.29416E 00

FREQUENCY TABLE FOR COLUMN 16 (CU PPM)

LIMITS LOWER	- UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
3.8E 00 -	5.6E 00	1	1	2.44	2.44
5.6E 00 -	8.3E 00	0	1	0.0	2.44
8.3E 00 -	1.2E 01	0	1	0.0	2.44
1.2E 01 -	1.8E 01	4	5	9.76	12.20
1.8E 01 -	2.6E 01	1	6	2.44	14.63
2.6E 01 -	3.8E 01	6	12	14.63	29.27
3.8E 01 -	5.6E 01	7	19	17.07	46.34
5.6E 01 -	8.3E 01	11	30	26.83	73.17
8.3E 01 -	1.2E 02	3	33	7.32	80.49
1.2E 02 -	1.8E 02	4	37	9.76	90.24
1.8E 02 -	2.6E 02	1	38	2.44	92.68
2.6E 02 -	3.8E 02	1	39	2.44	95.12
3.8E 02 -	5.6E 02	0	39	0.0	95.12
5.6E 02 -	8.3E 02	1	40	2.44	97.56

HISTOGRAM FOR COLUMN 16 (CU PPM)

```
5.0E 00 XX

7.0E 00

1.0E 01

1.5E 01 XXXXXXXXXX

2.0E 01 XX

3.0E 01 XXXXXXXXXXXXXX

5.0E 01 XXXXXXXXXXXXXXXX

7.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXXX

1.0E 02 XXXXXXX

1.5E 02 XXXXXXXXXX

2.0E 02 XX

3.0E 02 XX

5.0E 02

7.0E 02 XX
```

N	L	H	B	T	G	ANALYTICAL VALUES
0	1	0	0	0	0	40
0.0	2.44			0.0	0.0	

MAXIMUM = 7.00000E 02

MINIMUM = 5.00000E 00

GEOMETRIC MEAN = 5.65045E 01

GEOMETRIC DEVIATION = 2.49219E 00

FREQUENCY TABLE FOR COLUMN 17 (LA PPM)

LIMITS LOWER	- UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
1.8E 01 -	2.6E 01	1	1	2.44	2.44
2.6E 01 -	3.8E 01	2	3	4.88	7.32
3.8E 01 -	5.6E 01	0	3	0.0	7.32
5.6E 01 -	8.3E 01	0	3	0.0	7.32
8.3E 01 -	1.2E 02	0	3	0.0	7.32
1.2E 02 -	1.8E 02	1	4	2.44	9.76

HISTOGRAM FOR COLUMN 17 (LA PPM)

```
2.0E 01 XX

3.0E 01 XXXXX

5.0E 01

7.0E 01

1.0E 02

1.5E 02 XX
```

N	L	H	B	T	G	ANALYTICAL VALUES
3	34	0	0	0	0	4
7.32	82.93			0.0	0.0	

MAXIMUM = 1.50000E 02

MINIMUM = 2.00000E 01

GEOMETRIC MEAN = 4.05359E 01

GEOMETRIC DEVIATION = 2.44242E 00

FREQUENCY TABLE FOR COLUMN 18 (MO PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
3.8E 00 -	5.6E 00	1	1	2.44	2.44
5.6E 00 -	8.3E 00	5	6	12.20	14.63
8.3E 00 -	1.2E 01	1	7	2.44	17.07
1.2E 01 -	1.8E 01	3	10	7.32	24.39

HISTOGRAM FOR COLUMN 18 (MO PPM)

```
5.0E 00 XX

7.0E 00 XXXXXXXXXXXX

1.0E 01 XX

1.5E 01 XXXXXXX
```

N	L	H	B	T	G	ANALYTICAL VALUES
8	23	0	0	0	0	10
19.51	56.10			0.0	0.0	

MAXIMUM = 1.50000E 01

MINIMUM = 5.00000E 00

GEOMETRIC MEAN = 8.81602E 00

GEOMETRIC DEVIATION = 1.49409E 00

FREQUENCY TABLE FOR COLUMN 19 (NB PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
8.3E 00 -	1.2E 01	29	29	70.73	70.73
1.2E 01 -	1.8E 01	5	34	12.20	82.93

HISTOGRAM FOR COLUMN 19 (NB PPM)

```
1.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

1.5E 01 XXXXXXXXXXXX
```

N	L	H	B	T	G	ANALYTICAL VALUES
0	7	0	0	0	0	34
0.0	17.07			0.0	0.0	

MAXIMUM = 1.50000E 01

MINIMUM = 1.00000E 01

GEOMETRIC MEAN = 1.06142E 01

GEOMETRIC DEVIATION = 1.15709E 00

FREQUENCY TABLE FOR COLUMN 20 (NI PPM)

LIMITS LOWER	- UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
3.8E 00 -	5.6E 00	1	1	2.44	2.44
5.6E 00 -	8.3E 00	2	3	4.88	7.32
8.3E 00 -	1.2E 01	1	4	2.44	9.76
1.2E 01 -	1.8E 01	2	6	4.88	14.63
1.8E 01 -	2.6E 01	1	7	2.44	17.07
2.6E 01 -	3.8E 01	18	25	43.90	60.98
3.8E 01 -	5.6E 01	3	28	7.32	68.29
5.6E 01 -	8.3E 01	13	41	31.71	100.00

HISTOGRAM FOR COLUMN 20 (NI PPM)

```
5.0E 00 XX

7.0E 00 XXXXX

1.0E 01 XX

1.5E 01 XXXXX

2.0E 01 XX

3.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

5.0E 01 XXXXXXX

7.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
```

N	L	H	B	T	G	ANALYTICAL VALUES
0	0	0	0	0	0	41
0.0	0.0			0.0	0.0	

MAXIMUM = 7.00000E 01

MINIMUM = 5.00000E 00

GEOMETRIC MEAN = 3.38530E 01

GEOMETRIC DEVIATION = 2.00286E 00

FREQUENCY TABLE FOR COLUMN 21 (PB PPM)

LIMITS LOWER	- UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
8.3E 00 -	1.2E 01	5	5	12.20	12.20
1.2E 01 -	1.8E 01	14	19	34.15	46.34
1.8E 01 -	2.6E 01	8	27	19.51	65.85
2.6E 01 -	3.8E 01	5	32	12.20	78.05
3.8E 01 -	5.6E 01	1	33	2.44	80.49
5.6E 01 -	8.3E 01	3	36	7.32	87.80
8.3E 01 -	1.2E 02	1	37	2.44	90.24
1.2E 02 -	1.8E 02	2	39	4.88	95.12

HISTOGRAM FOR COLUMN 21 (PB PPM)

```
1.0E 01 XXXXXXXXXXXX

1.5E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

2.0E 01 XXXXXXXXXXXXXXXXXXXX

3.0E 01 XXXXXXXXXXXX

5.0E 01 XX

7.0E 01 XXXXXXX

1.0E 02 XX

1.5E 02 XXXXX
```

N	L	H	B	T	G	ANALYTICAL VALUES
0	2	0	0	0	0	39
0.0	4.88			0.0	0.0	

MAXIMUM = 1.50000E 02

MINIMUM = 1.00000E 01

GEOMETRIC MEAN = 2.26469E 01

GEOMETRIC DEVIATION = 2.06719E 00

FREQUENCY TABLE FOR COLUMN 22 (SB PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM	ANALYTICAL VALUES
N	L	H	B	T	G	
41	0	0	0	0	0	0
*****	0.0			0.0	0.0	

MAXIMUM = -9.99900E 48

MINIMUM = 9.99900E 48

GEOMETRIC MEAN = 9.99900E 48

GEOMETRIC DEVIATION = 9.99900E 48

FREQUENCY TABLE FOR COLUMN 23 (SC PPM)

LIMITS LOWER	- UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
3.8E 00 -	5.6E 00	1	1	2.44	2.44
5.6E 00 -	8.3E 00	2	3	4.88	7.32
8.3E 00 -	1.2E 01	3	6	7.32	14.63
1.2E 01 -	1.8E 01	14	20	34.15	48.78
1.8E 01 -	2.6E 01	5	25	12.20	60.98
2.6E 01 -	3.8E 01	14	39	34.15	95.12

HISTOGRAM FOR COLUMN 23 (SC PPM)

```
5.0E 00 XX

7.0E 00 XXXXX

1.0E 01 XXXXXXX

1.5E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

2.0E 01 XXXXXXXXXXXX

3.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
```

N	L	H	B	T	G	ANALYTICAL VALUES
0	2	0	0	0	0	39
0.0	4.88			0.0	0.0	

MAXIMUM = 3.00000E 01

MINIMUM = 5.00000E 00

GEOMETRIC MEAN = 1.80889E 01

GEOMETRIC DEVIATION = 1.61080E 00

FREQUENCY TABLE FOR COLUMN 24 (SN PPM)

LIMITS LOWER	- UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
8.3E 00 -	1.2E 01	2	2	4.88	4.88
1.2E 01 -	1.8E 01	3	5	7.32	12.20
1.8E 01 -	2.6E 01	1	6	2.44	14.63
2.6E 01 -	3.8E 01	3	9	7.32	21.95
3.8E 01 -	5.6E 01	0	9	0.0	21.95
5.6E 01 -	8.3E 01	1	10	2.44	24.39
8.3E 01 -	1.2E 02	1	11	2.44	26.83

HISTOGRAM FOR COLUMN 24 (SN PPM)

```
1.0E 01 XXXXX

1.5E 01 XXXXXXX

2.0E 01 XX

3.0E 01 XXXXXXX

5.0E 01

7.0E 01 XX

1.0E 02 XX
```

N	L	H	B	T	G	ANALYTICAL VALUES
28	2	0	0	0	0	11
68.29	4.88			0.0	0.0	

MAXIMUM = 1.00000E 02

MINIMUM = 1.00000E 01

GEOMETRIC MEAN = 2.36183E 01

GEOMETRIC DEVIATION = 2.10749E 00

FREQUENCY TABLE FOR COLUMN 25 (SR PPM)

LIMITS LOWER	- UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
8.3E 01 -	1.2E 02	0	0	0.0	0.0
1.2E 02 -	1.8E 02	0	0	0.0	0.0
1.8E 02 -	2.6E 02	4	4	9.76	9.76
2.6E 02 -	3.8E 02	28	32	68.29	78.05
3.8E 02 -	5.6E 02	8	40	19.51	97.56
5.6E 02 -	8.3E 02	1	41	2.44	100.00

HISTOGRAM FOR COLUMN 25 (SR PPM)

```
2.0E 02 XXXXXXXXXX

3.0E 02 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

5.0E 02 XXXXXXXXXXXXXXXXXXX

7.0E 02 XX
```

N	L	H	B	T	G	ANALYTICAL VALUES
0	0	0	0	0	0	41
0.0	0.0			0.0	0.0	

MAXIMUM = 7.00000E 02

MINIMUM = 2.00000E 02

GEOMETRIC MEAN = 3.25234E 02

GEOMETRIC DEVIATION = 1.32702E 00

FREQUENCY TABLE FOR COLUMN 26 (V PPM)

LIMITS LOWER	- UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
8.3E 00 -	1.2E 01	0	0	0.0	0.0
1.2E 01 -	1.8E 01	0	0	0.0	0.0
1.8E 01 -	2.6E 01	0	0	0.0	0.0
2.6E 01 -	3.8E 01	3	3	7.32	7.32
3.8E 01 -	5.6E 01	0	3	0.0	7.32
5.6E 01 -	8.3E 01	1	4	2.44	9.76
8.3E 01 -	1.2E 02	1	5	2.44	12.20
1.2E 02 -	1.8E 02	4	9	9.76	21.95
1.8E 02 -	2.6E 02	11	20	26.83	48.78
2.6E 02 -	3.8E 02	21	41	51.22	100.00

HISTOGRAM FOR COLUMN 26 (V PPM)

```
3.0E 01 XXXXXXX

5.0E 01

7.0E 01 XX

1.0E 02 XX

1.5E 02 XXXXXXXXXX

2.0E 02 XXXXXXXXXXXXXXXXXXXXXXXXXX

3.0E 02 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
```

N	L	H	B	T	G	ANALYTICAL VALUES
0	0	0	0	0	0	41
0.0	0.0			0.0	0.0	

MAXIMUM = 3.00000E 02

MINIMUM = 3.00000E 01

GEOMETRIC MEAN = 1.99654E 02

GEOMETRIC DEVIATION = 1.88850E 00

FREQUENCY TABLE FOR COLUMN 27 (W PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM	ANALYTICAL VALUES
N	L	H	B	T	G	
41	0	0	0	0	0	0
*****	0.0			0.0	0.0	

MAXIMUM = -9.99900E 48

MINIMUM = 9.99900E 48

GEOMETRIC MEAN = 9.99900E 48

GEOMETRIC DEVIATION = 9.99900E 48

FREQUENCY TABLE FOR COLUMN 28 (Y PPM)

LIMITS LOWER	- UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
8.3E 00 -	1.2E 01	5	5	12.20	12.20
1.2E 01 -	1.8E 01	17	22	41.46	53.66
1.8E 01 -	2.6E 01	14	36	34.15	87.80
2.6E 01 -	3.8E 01	5	41	12.20	100.00

HISTOGRAM FOR COLUMN 28 (Y PPM)

```
1.0E 01 XXXXXXXXXXXX

1.5E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

2.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

3.0E 01 XXXXXXXXXXXX
```

N	L	H	B	T	G	ANALYTICAL VALUES
0	0	0	0	0	0	41
0.0	0.0			0.0	0.0	

MAXIMUM = 3.00000E 01

MINIMUM = 1.00000E 01

GEOMETRIC MEAN = 1.71390E 01

GEOMETRIC DEVIATION = 1.35296E 00

FREQUENCY TABLE FOR COLUMN 29 (ZN PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
1.8E 02 -	2.6E 02	5	5	12.20	12.20
2.6E 02 -	3.8E 02	2	7	4.88	17.07

HISTOGRAM FOR COLUMN 29 (ZN PPM)

```
2.0E 02 XXXXXXXXXXXX

3.0E 02 XXXXX
```

N	L	H	B	T	G	ANALYTICAL VALUES
1	33	0	0	0	0	7
2.44	80.49			0.0	0.0	

MAXIMUM = 3.00000E 02

MINIMUM = 2.00000E 02

GEOMETRIC MEAN = 2.24563E 02

GEOMETRIC DEVIATION = 1.21886E 00

FREQUENCY TABLE FOR COLUMN 30 (ZR PPM)

LIMITS LOWER - UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
8.3E 00 - 1.2E 01	0	0	0.0	0.0
1.2E 01 - 1.8E 01	0	0	0.0	0.0
1.8E 01 - 2.6E 01	0	0	0.0	0.0
2.6E 01 - 3.8E 01	0	0	0.0	0.0
3.8E 01 - 5.6E 01	2	2	4.88	4.88
5.6E 01 - 8.3E 01	31	33	75.61	80.49
8.3E 01 - 1.2E 02	7	40	17.07	97.56
1.2E 02 - 1.8E 02	1	41	2.44	100.00

HISTOGRAM FOR COLUMN 30 (ZR PPM)

```
5.0E 01 XXXXX

7.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

1.0E 02 XXXXXXXXXXXXXXXXX

1.5E 02 XX
```

N	L	H	B	T	G	ANALYTICAL VALUES
0	0	0	0	0	0	41
0.0	0.0			0.0	0.0	

MAXIMUM = 1.50000E 02

MINIMUM = 5.00000E 01

GEOMETRIC MEAN = 7.45563E 01

GEOMETRIC DEVIATION = 1.21645E 00

FREQUENCY TABLE FOR COLUMN 31 (AU PPM)

LIMITS LOWER	- UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
1.8E-02 -	2.6E-02	0	0	0.0	0.0
2.6E-02 -	3.8E-02	0	0	0.0	0.0
3.8E-02 -	5.6E-02	0	0	0.0	0.0
5.6E-02 -	8.3E-02	0	0	0.0	0.0
8.3E-02 -	1.2E-01	1	1	2.44	2.44
1.2E-01 -	1.8E-01	0	1	0.0	2.44
1.8E-01 -	2.6E-01	0	1	0.0	2.44
2.6E-01 -	3.8E-01	1	2	2.44	4.88

HISTOGRAM FOR COLUMN 31 (AU PPM)

```
1.0E-01 XX

1.5E-01

2.0E-01

3.0E-01 XX
```

N	L	H	B	T	G	ANALYTICAL VALUES
0	39	0	0	0	0	2
0.0	95.12			0.0	0.0	

MAXIMUM = 3.00000E-01

MINIMUM = 1.00000E-01

GEOMETRIC MEAN = 1.73205E-01

GEOMETRIC DEVIATION = 2.17458E 00

A470 STATISTICAL SUMMARY DATE 4/27/70

ELEMENT	N	L	H	B	T	G	ANALYTICAL VALUES
FE PCT	0	0	0	0	0	0	41
MG PCT	0	0	0	0	0	0	41
CA PCT	0	0	0	0	0	0	41
TI PCT	0	0	0	0	0	0	41
MN PPM	0	0	0	0	0	0	41
AG PPM	30	9	0	0	0	0	2
AS PPM	41	0	0	0	0	0	0
AU PPM	41	0	0	0	0	0	0
B PPM	1	4	0	0	0	0	36
BA PPM	0	0	0	0	0	0	41
BE PPM	0	30	0	0	0	0	11
BI PPM	41	0	0	0	0	0	0
CD PPM	41	0	0	0	0	0	0
CO PPM	0	0	0	0	0	0	41
CR PPM	0	2	0	0	0	0	39
CU PPM	0	1	0	0	0	0	40
LA PPM	3	34	0	0	0	0	4
MO PPM	8	23	0	0	0	0	10
NB PPM	0	7	0	0	0	0	34
NI PPM	0	0	0	0	0	0	41
PB PPM	0	2	0	0	0	0	39
SB PPM	41	0	0	0	0	0	0
SC PPM	0	2	0	0	0	0	39
SN PPM	28	2	0	0	0	0	11
SR PPM	0	0	0	0	0	0	41
V PPM	0	0	0	0	0	0	41
W PPM	41	0	0	0	0	0	0
Y PPM	0	0	0	0	0	0	41
ZN PPM	1	33	0	0	0	0	7
ZR PPM	0	0	0	0	0	0	41
AU PPM	0	39	0	0	0	0	2

ELEMENT	GEOMETRIC MEAN	GEOMETRIC DEVIATION	REMARKS
FE PCT	6.693222	1.81	41 SAMPLES AND 41 ANALYTICAL VALUES.
MG PCT	1.835302	1.73	41 SAMPLES AND 41 ANALYTICAL VALUES.
CA PCT	1.396456	1.52	41 SAMPLES AND 41 ANALYTICAL VALUES.
TI PCT	0.456152	1.67	41 SAMPLES AND 41 ANALYTICAL VALUES.
MN PPM	1501.268799	1.30	41 SAMPLES AND 41 ANALYTICAL VALUES.
AG PPM	********	0	39 NOT DETECTED, LESS THAN, OR TRACE VALUES. 2 REPORTED VALUES. NO COMPUTATIONS.
AS PPM	********	0	41 NOT DETECTED, LESS THAN, OR TRACE VALUES. 0 REPORTED VALUES. NO COMPUTATIONS.
AU PPM	********	0	41 NOT DETECTED, LESS THAN, OR TRACE VALUES. 0 REPORTED VALUES. NO COMPUTATIONS.
B PPM	23.914093	2.13	5 NOT DETECTED, LESS THAN, OR TRACE VALUES. 36 REPORTED VALUES.
BA PPM	488.199219	2.50	41 SAMPLES AND 41 ANALYTICAL VALUES.
BE PPM	0.644984	1.50	30 NOT DETECTED, LESS THAN, OR TRACE VALUES. 11 REPORTED VALUES.
BI PPM	********	******	41 NOT DETECTED, LESS THAN, OR TRACE VALUES. 0 REPORTED VALUES. NO COMPUTATIONS.
CD PPM	********	******	41 NOT DETECTED, LESS THAN, OR TRACE VALUES. 0 REPORTED VALUES. NO COMPUTATIONS.
CO PPM	19.642822	1.85	41 SAMPLES AND 41 ANALYTICAL VALUES.
CR PPM	60.219757	2.92	2 NOT DETECTED, LESS THAN, OR TRACE VALUES. 39 REPORTED VALUES.
CU PPM	52.499969	2.76	1 NOT DETECTED, LESS THAN, OR TRACE VALUES. 40 REPORTED VALUES.
LA PPM	********	******	37 NOT DETECTED, LESS THAN, OR TRACE VALUES. 4 REPORTED VALUES. NO COMPUTATIONS.
MO PPM	1.639061	3.49	31 NOT DETECTED, LESS THAN, OR TRACE VALUES. 10 REPORTED VALUES.
NB PPM	9.994113	1.21	7 NOT DETECTED, LESS THAN, OR TRACE VALUES. 34 REPORTED VALUES.
NI PPM	33.852890	2.00	41 SAMPLES AND 41 ANALYTICAL VALUES.
PB PPM	21.169540	2.16	2 NOT DETECTED, LESS THAN, OR TRACE VALUES. 39 REPORTED VALUES.

SB PPM	********	******	41 NOT DETECTED, LESS THAN, OR TRACE VALUES.	0 REPORTED VALUES.	NO COMPUTATIONS.
SC PPM	16.609833	1.82	2 NOT DETECTED, LESS THAN, OR TRACE VALUES.	39 REPORTED VALUES.	
SN PPM	2.953623	5.24	30 NOT DETECTED, LESS THAN, OR TRACE VALUES.	11 REPORTED VALUES.	
SR PPM	325.233154	1.33	41 SAMPLES AND 41 ANALYTICAL VALUES.		
V PPM	199.653656	1.89	41 SAMPLES AND 41 ANALYTICAL VALUES.		
W PPM	********	******	41 NOT DETECTED, LESS THAN, OR TRACE VALUES.	0 REPORTED VALUES.	NO COMPUTATIONS.
Y PPM	17.136931	1.35	41 SAMPLES AND 41 ANALYTICAL VALUES.		
ZN PPM	115.247467	1.55	34 NOT DETECTED, LESS THAN, OR TRACE VALUES.	7 REPORTED VALUES.	
ZR PPM	74.556183	1.22	41 SAMPLES AND 41 ANALYTICAL VALUES.		
AU PPM	********	******	39 NOT DETECTED, LESS THAN, OR TRACE VALUES.	2 REPORTED VALUES.	NO COMPUTATIONS.