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ANALYSES OF ROCK AND STREAM-SEDIMENT SAMPLES FROM THE
CRAIG B-4 QUADRANGLE, ALASKA

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INTRODUCTION

Analytical data for 65 rock and 96 stream-sediment samples from the Craig B-4, 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 Semi-quantitative 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.

<u>Sample No.</u>	<u>Lab. No.</u>	<u>Sample Description</u>
1	ACE-840	Phyllite
2	-839	Hornfelsed greenstone
3	ACL-879	Andesite porphyry
4	ACE-838	Andesite porphyry
5	-837	Vesicular basalt
6	-835	Andesite porphyry
7	-836	Basalt
8	ACL-935	Hornfelsed argillite
9	-933	Felsite dike
9	-934	Pyritic phyllite
10	ACE-956	Hornfels
11	-970	Diorite with minor pyrite
12	-955	Hornblende diorite
13	-969	Diorite with schlieren
14	-971	Granodiorite with minor pyrite
15	-972	Granodiorite with minor pyrite
16	-974	Quartz diorite
16	-975	Iron-stained gouge
16	-976	Quartz vein
17	-977	Pyrite-sphalerite veinlet
17	-978	Oxidized pyrite
17	-979	Pyrite-sphalerite veinlet
17	-980	Hornfels-sheared
17	-981	Hornfels
18	-982	Sheared, hornfelsed argillite
18	-983	Tactite with pyrite, pyrrhotite, chalcopyrite
19	ACL-931	Diorite with pyrite and chalcopyrite
19	-932	Diorite with pyrite and chalcopyrite
20	-928	Andesite with pyrite
20	-929	Tactite
20	-930	Diorite porphyry
21	-924	Dike rock with pyrite
21	-925	Dike rock with pyrite
21	-926	Dike rock with pyrite
22	-922	Aplite dike
22	-923	Argillaceous limestone
23	ACE-966	Aplite dike, pyrite
24	-965	Gabbro, pyritized
25	-964	Hornfelsed argillite
26	-963	Hornfels with pyrite

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

<u>Sample No.</u>	<u>Lab. No.</u>	<u>Sample Description</u>
27	ACE-962	Diorite with minor pyrite and chalcopyrite
28	-960	Diorite with minor pyrite and chalcopyrite
28	-961	Diorite with minor pyrite and chalcopyrite
29	-958	Diorite with pyrite
29	-959	Diorite with pyrite
30	-957	Quartz diorite with pyrite, silicified
31	-993	Magnetite bearing diorite
32	-992	Hornfelsed graywacke
33	ACL-936	Quartzite
34	-921	Aplite dike
35	ACE-986	Argillite sheared
36	-985	Pyritic greenstone
37	-987	Pyritic greenstone
38	-988	Pyritic greenstone
39	-973	Argillite with pyrite
39	-984	Greenstone with quartz
40	ACL-937	Greenstone
41	-938	Greenstone
42	ACE-887	Greenstone
43	ACL-939	Greenstone
44	-940	Greenstone
45	-941	Greenstone
46	-942	Greenstone
47	-949	Greenstone
48	-948	Graywacke

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 buckets 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.OE-01 means 7.0×10^{-1} or 0.7

7.OE 00 means 7.0×10^0 or 7.0

7.OE 01 means 7.0×10^1 or 70.0

7.OE 02 means 7.0×10^2 or 700.0

7.OE 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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TABLE 2. CRAIG B-4 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	ACE840	0.0700	0.0700	1.5000	0.1000	70.0000	0.0 N	0.0 N	0.0 N	30.0000	150.0000
2	ACE839	15.0000	2.0000	0.0700	1.0000	1500.0000	0.0 N	0.0 N	0.0 N	0.0 L	1000.0000
3	ACL879	10.0000	2.0000	1.5000	0.7000	700.0000	0.0 N	0.0 N	0.0 N	15.0000	700.0000
4	ACE838	15.0000	3.0000	7.0000	1.0000	1500.0000	0.0 N	0.0 N	0.0 N	20.0000	500.0000
5	ACE837	15.0000	5.0000	7.0000	1.0000	1500.0000	0.0 N	0.0 N	0.0 N	30.0000	1500.0000
6	ACE835	5.0000	0.7000	5.0000	0.5000	700.0000	0.0 N	0.0 N	0.0 N	0.0 L	0.0 L
7	ACE836	15.0000	7.0000	5.0000	1.0000G	1000.0000	0.0 N	0.0 N	0.0 N	15.0000	1500.0000
8	ACL935	7.0000	2.0000	2.0000	0.3000	1000.0000	0.0 N	0.0 N	0.0 N	0.0 L	300.0000
9	ACL933	5.0000	1.5000	1.5000	0.3000	500.0000	0.0 N	0.0 N	0.0 N	0.0 N	1500.0000
9	ACL934	15.0000	3.0000	3.0000	0.5000	500.0000	0.7000	0.0 N	0.0 N	150.0000	2000.0000
10	ACE956	7.0000	1.5000	7.0000	0.3000	1000.0000	0.0 N	0.0 N	0.0 N	0.0 N	300.0000
11	ACE970	15.0000	3.0000	7.0000	1.0000G	2000.0000	0.0 L	0.0 N	0.0 N	0.0 L	300.0000
12	ACE955	15.0000	2.0000	5.0000	0.7000	1000.0000	0.0 L	0.0 N	0.0 N	0.0 N	300.0000
13	ACE969	15.0000	5.0000	7.0000	1.0000	1500.0000	0.0 L	0.0 N	0.0 N	0.0 L	300.0000
14	ACE971	10.0000	1.5000	2.0000	0.5000	700.0000	0.0 N	0.0 N	0.0 N	0.0 L	300.0000
15	ACE972	3.0000	1.0000	1.5000	0.3000	200.0000	0.0 L	0.0 N	0.0 N	0.0 N	1000.0000
16	ACE974	15.0000	3.0000	5.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0 N	0.0 L	300.0000
16	ACE975	20.0000	1.5000	3.0000	0.3000	200.0000	0.5000	0.0 N	0.0 N	10.0000	0.0 L
16	ACE976	3.0000	1.0000	1.5000	0.3000	500.0000	0.7000	0.0 N	0.0 N	0.0 N	1500.0000
17	ACE977	20.0000	0.7000	5.0000	0.2000	300.0000	0.0 L	0.0 N	0.0 N	0.0 L	150.0000
17	ACE978	20.0000	0.7000	3.0000	0.1000	700.0000	0.0 L	0.0 N	0.0 N	10.0000	200.0000
17	ACE979	20.0000G	0.7000	1.5000	0.3000	500.0000	7.0000	0.0 N	0.0 N	0.0 N	0.0 L
17	ACE980	10.0000	1.5000	5.0000	0.3000	700.0000	0.0 N	0.0 N	0.0 N	0.0 L	300.0000
17	ACE981	15.0000	2.0000	5.0000	0.5000	1000.0000	0.0 N	0.0 N	0.0 N	15.0000	300.0000
18	ACE982	3.0000	1.0000	5.0000	0.3000	1000.0000	0.0 N	0.0 N	0.0 N	10.0000	300.0000
18	ACE983	20.0000G	0.7000	15.0000	0.0150	5000.0000G	100.0000	0.0 N	0.0 N	0.0 N	1000.0000
19	ACL931	10.0000	3.0000	5.0000	0.5000	1500.0000	0.0 L	0.0 N	0.0 N	0.0 L	700.0000
19	ACL932	7.0000	5.0000	7.0000	0.3000	1500.0000	0.0 L	0.0 N	0.0 N	0.0 L	300.0000
20	ACL928	15.0000	5.0000	7.0000	1.0000	1500.0000	0.0 N	0.0 N	0.0 N	15.0000	700.0000
20	ACL929	10.0000	5.0000	10.0000	0.7000	2000.0000	0.0 N	0.0 N	0.0 N	0.0 L	1500.0000
20	ACL930	20.0000	7.0000	10.0000	1.0000G	2000.0000	0.0 N	0.0 N	0.0 N	0.0 L	1500.0000
21	ACL924	15.0000	7.0000	7.0000	1.0000	1000.0000	0.0 N	0.0 N	0.0 N	15.0000	700.0000
21	ACL925	15.0000	7.0000	10.0000	1.0000	1000.0000	0.0 N	0.0 N	0.0 N	30.0000	700.0000
21	ACL926	7.0000	1.5000	7.0000	0.3000	2000.0000	0.7000	200.0000	0.0 N	70.0000	1500.0000
22	ACL922	5.0000	2.0000	7.0000	0.5000	1000.0000	0.0 N	0.0 N	0.0 N	15.0000	700.0000
22	ACL923	10.0000	3.0000	15.0000	0.3000	1500.0000	0.0 N	0.0 N	0.0 N	15.0000	2000.0000
23	ACE966	5.0000	1.0000	1.5000	0.3000	300.0000	0.0 L	0.0 N	0.0 N	0.0 N	700.0000
24	ACE965	0.2000	0.7000	0.0700	0.3000	70.0000	1.5000	0.0 N	0.0 N	150.0000	1500.0000
25	ACE964	10.0000	3.0000	10.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0 N	0.0 L	700.0000
26	ACE963	0.7000	0.7000	0.5000	0.3000	700.0000	0.0 L	0.0 N	0.0 N	150.0000	3000.0000
27	ACE962	15.0000	3.0000	7.0000	0.5000	1500.0000	0.5000	0.0 N	0.0 N	0.0 L	300.0000
28	ACE960	3.0000	1.5000	3.0000	0.3000	300.0000	0.0 N	0.0 N	0.0 N	0.0 N	150.0000
28	ACE961	1.5000	3.0000	7.0000	1.0000	700.0000	0.0 L	0.0 N	0.0 N	0.0 L	150.0000
29	ACE958	20.0000G	7.0000	7.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0 N	0.0 L	100.0000
29	ACE959	15.0000	5.0000	7.0000	0.7000	1500.0000	0.0 L	0.0 N	0.0 N	0.0 L	300.0000
30	ACE957	3.0000	1.0000	10.0000	0.3000	300.0000	0.0 N	0.0 N	0.0 N	0.0 N	200.0000
31	ACE993	15.0000	3.0000	15.0000	0.5000	1500.0000	0.0 N	0.0 N	0.0 N	0.0 L	150.0000
32	ACE992	2.0000	0.7000	1.0000	0.3000	70.0000	0.0 L	0.0 N	0.0 N	1000.0000	1500.0000
33	ACL936	0.3000	0.1000	2.0000	0.2000	300.0000	0.0 N	0.0 N	0.0 N	0.0 N	300.0000
34	ACL921	5.0000	2.0000	5.0000	0.5000	1500.0000	0.7000	300.0000	0.0 N	10.0000	700.0000

CRAIG B-4 ROCK SAMPLES

	SAMPLE	BE PPM	BI PPM	CO PPM	CO PPM	CR PPM	CU PPM	LA PPM	MO PPM	NE PPM	NI PPM
1	ACE840	0.0 N	0.0 N	0.0 N	0.0 L	0.0 L	10.0000	0.0 N	15.0000	0.0 L	50.0000
2	ACE839	0.0 L	0.0 N	0.0 N	20.0000	0.0 L	5.0000	0.0 L	0.0 N	10.0000	10.0000
3	ACL879	0.0 N	0.0 N	0.0 N	50.0000	0.0 L	0.0 L	0.0 N	0.0 L	10.0000	15.0000
4	ACE838	0.0 N	0.0 N	0.0 N	30.0000	20.0000	5.0000	0.0 L	0.0 N	15.0000	15.0000
5	ACE837	0.0 N	0.0 N	0.0 N	30.0000	15.0000	0.0 L	0.0 N	0.0 N	30.0000	15.0000
6	ACE835	3.0000	0.0 N	0.0 N	5.0000	0.0 N	0.0 L	50.0000	0.0 N	50.0000	0.0 N
7	ACE836	0.0 L	0.0 N	0.0 N	50.0000	50.0000	30.0000	20.0000	0.0 N	30.0000	50.0000
8	ACL935	0.0 L	0.0 N	0.0 N	20.0000	0.0 N	70.0000	0.0 N	0.0 N	10.0000	10.0000
9	ACL933	1.0000	0.0 N	0.0 N	0.0 N	0.0 N	70.0000	20.0000	0.0 L	15.0000	0.0 N
9	ACL934	0.0 L	0.0 N	0.0 N	30.0000	150.0000	70.0000	0.0 L	0.0 L	15.0000	100.0000
10	ACE956	1.0000	0.0 N	0.0 N	20.0000	70.0000	70.0000	20.0000	0.0 N	0.0 L	20.0000
11	ACE970	0.0 L	0.0 N	0.0 N	50.0000	0.0 L	150.0000	20.0000	0.0 L	0.0 L	7.0000
12	ACE955	0.0 N	0.0 N	0.0 N	30.0000	10.0000	70.0000	0.0 N	5.0000	0.0 L	20.0000
13	ACE969	0.0 L	0.0 N	0.0 N	30.0000	15.0000	150.0000	0.0 N	0.0 L	10.0000	15.0000
14	ACE971	0.0 L	0.0 N	0.0 N	20.0000	10.0000	30.0000	0.0 N	0.0 L	10.0000	10.0000
15	ACE972	0.0 L	0.0 N	0.0 N	10.0000	0.0 L	300.0000	0.0 N	0.0 N	10.0000	5.0000
16	ACE974	0.0 N	0.0 N	0.0 N	30.0000	0.0 L	150.0000	0.0 N	7.0000	10.0000	15.0000
16	ACE975	0.0 L	0.0 N	0.0 N	5.0000	10.0000	70.0000	20.0000	1500.0000	10.0000	7.0000
16	ACE976	0.0 L	0.0 N	0.0 N	15.0000	0.0 L	700.0000	0.0 L	15.0000	0.0 L	7.0000
17	ACE977	0.0 L	0.0 N	0.0 N	150.0000	15.0000	100.0000	0.0 N	15.0000	10.0000	100.0000
17	ACE978	1.0000	0.0 N	0.0 N	100.0000	15.0000	150.0000	0.0 L	15.0000	0.0 L	150.0000
17	ACE979	0.0 L	0.0 N	0.0 N	500.0000	30.0000	10001.0000	0.0 N	15.0000	0.0 L	300.0000
17	ACE980	1.0000	0.0 N	0.0 N	20.0000	20.0000	200.0000	30.0000	10.0000	10.0000	20.0000
17	ACE981	1.0000	0.0 N	0.0 N	20.0000	100.0000	150.0000	30.0000	7.0000	10.0000	70.0000
18	ACE982	1.5000	0.0 N	0.0 N	0.0 N	10.0000	20.0000	20.0000	0.0 N	0.0 L	0.0 L
18	ACE983	0.0 N	100.0000	70.0000	100.0000	10.0000	20001.0000	0.0 N	0.0 L	10.0000	15.0000
19	ACL931	0.0 L	0.0 N	0.0 N	20.0000	0.0 N	500.0000	20.0000	0.0 L	15.0000	7.0000
19	ACL932	0.0 L	0.0 N	0.0 N	10.0000	0.0 N	1000.0000	0.0 L	0.0 N	0.0 L	0.0 L
20	ACL928	0.0 N	0.0 N	0.0 N	30.0000	5.0000	150.0000	0.0 L	5.0000	15.0000	30.0000
20	ACL929	0.0 L	0.0 N	0.0 N	0.0 L	20.0000	20.0000	20.0000	0.0 N	15.0000	50.0000
20	ACL930	0.0 L	0.0 N	0.0 N	70.0000	30.0000	100.0000	50.0000	0.0 L	15.0000	30.0000
21	ACL924	0.0 L	0.0 N	0.0 N	70.0000	200.0000	70.0000	0.0 L	0.0 L	15.0000	70.0000
21	ACL925	0.0 L	0.0 N	0.0 N	70.0000	150.0000	70.0000	0.0 L	0.0 L	15.0000	70.0000
21	ACL926	0.0 L	0.0 N	0.0 N	0.0 N	0.0 N	10.0000	0.0 L	0.0 N	15.0000	0.0 L
22	ACL922	1.0000	0.0 N	0.0 N	0.0 N	0.0 N	20.0000	0.0 L	0.0 L	10.0000	0.0 L
22	ACL923	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
23	ACE966	0.0 L	0.0 N	0.0 N	10.0000	0.0 L	30.0000	0.0 L	0.0 L	10.0000	10.0000
24	ACE965	0.0 L	0.0 N	0.0 N	0.0 N	50.0000	15.0000	0.0 L	15.0000	0.0 L	30.0000
25	ACE964	0.0 L	0.0 N	0.0 N	10.0000	20.0000	0.0 L	0.0 N	0.0 L	0.0 L	20.0000
26	ACE963	1.5000	0.0 N	0.0 N	0.0 N	30.0000	10.0000	30.0000	0.0 L	10.0000	30.0000
27	ACE962	0.0 N	0.0 N	0.0 N	30.0000	0.0 L	150.0000	150.0000	0.0 L	10.0000	30.0000
28	ACE960	0.0 N	0.0 N	0.0 N	20.0000	0.0 L	100.0000	0.0 N	0.0 N	0.0 L	7.0000
28	ACE961	0.0 N	0.0 N	0.0 N	70.0000	15.0000	200.0000	0.0 N	0.0 L	0.0 L	20.0000
29	ACE958	0.0 N	0.0 N	0.0 N	100.0000	100.0000	70.0000	0.0 N	0.0 L	0.0 L	50.0000
29	ACE959	0.0 N	0.0 N	0.0 N	70.0000	15.0000	150.0000	0.0 N	0.0 L	0.0 L	30.0000
30	ACE957	0.0 N	0.0 N	0.0 N	15.0000	0.0 L	30.0000	0.0 N	0.0 N	0.0 L	15.0000
31	ACE993	0.0 N	0.0 N	0.0 N	30.0000	15.0000	100.0000	0.0 N	5.0000	0.0 L	30.0000
32	ACE992	1.5000	0.0 N	0.0 N	5.0000	150.0000	50.0000	20.0000	0.0 L	10.0000	50.0000
33	ACL936	0.0 N	0.0 N	0.0 N	0.0 N	20.0000	0.0 L	0.0 N	0.0 N	0.0 L	15.0000
34	ACL921	1.0000	0.0 N	0.0 N	10.0000	0.0 L	20.0000	20.0000	0.0 N	15.0000	5.0000

CRAIG B-4 ROCK SAMPLES

	SAMPLE	PB PPM	SB PPM	SC PPM	SN PPM	SR PPM	V PPM	W PPM	Y PPM	ZN PPM	ZR PPM
1	ACE840	0.0 N	0.0 N	5.0000	0.0 N	0.0 N	500.0000	0.0 N	10.0000	200.0000	70.0000
2	ACE839	0.0 N	0.0 N	20.0000	0.0 N	1000.0000	70.0000	0.0 N	20.0000	200.0000	70.0000
3	ACL879	0.0 L	0.0 N	10.0000	0.0 N	300.0000	200.0000	0.0 N	15.0000	0.0 N	50.0000
4	ACE838	0.0 N	0.0 N	20.0000	0.0 N	500.0000	200.0000	0.0 N	10.0000	0.0 N	70.0000
5	ACE837	0.0 N	0.0 N	20.0000	0.0 N	700.0000	200.0000	0.0 N	10.0000	0.0 N	70.0000
6	ACE835	30.0000	0.0 N	0.0 N	0.0 N	0.0 L	20.0000	0.0 N	15.0000	0.0 N	300.0000
7	ACE836	0.0 N	0.0 N	30.0000	0.0 N	700.0000	300.0000	0.0 N	20.0000	0.0 L	70.0000
8	ACL935	0.0 L	0.0 N	15.0000	0.0 N	300.0000	150.0000	0.0 N	15.0000	0.0 N	70.0000
9	ACL933	30.0000	0.0 N	5.0000	0.0 N	700.0000	50.0000	0.0 N	20.0000	0.0 N	300.0000
9	ACL934	70.0000	0.0 N	30.0000	0.0 N	500.0000	200.0000	0.0 N	30.0000	0.0 L	70.0000
10	ACE956	0.0 N	0.0 N	20.0000	0.0 N	500.0000	100.0000	0.0 N	30.0000	0.0 L	70.0000
11	ACE970	0.0 L	0.0 N	30.0000	0.0 N	700.0000	300.0000	0.0 N	50.0000	0.0 L	50.0000
12	ACE955	0.0 N	0.0 N	30.0000	0.0 N	700.0000	200.0000	0.0 N	20.0000	0.0 L	70.0000
13	ACE969	0.0 L	0.0 N	30.0000	0.0 N	700.0000	300.0000	0.0 N	30.0000	0.0 N	70.0000
14	ACE971	0.0 L	0.0 N	15.0000	0.0 N	700.0000	200.0000	0.0 N	20.0000	0.0 L	100.0000
15	ACE972	0.0 N	0.0 N	7.0000	0.0 N	500.0000	50.0000	0.0 N	10.0000	0.0 N	70.0000
16	ACE974	0.0 N	0.0 N	30.0000	0.0 N	700.0000	300.0000	0.0 N	20.0000	0.0 L	70.0000
16	ACE975	15.0000	0.0 N	15.0000	0.0 N	0.0 L	300.0000	0.0 N	15.0000	0.0 N	70.0000
16	ACE976	0.0 N	0.0 N	7.0000	0.0 N	500.0000	100.0000	0.0 N	10.0000	0.0 N	200.0000
17	ACE977	0.0 L	0.0 N	10.0000	0.0 N	300.0000	70.0000	0.0 N	15.0000	0.0 L	30.0000
17	ACE978	0.0 N	0.0 N	5.0000	0.0 N	150.0000	30.0000	0.0 N	15.0000	0.0 L	30.0000
17	ACE979	0.0 L	0.0 N	10.0000	0.0 N	100.0000	150.0000	0.0 N	0.0 L	0.0 L	20.0000
17	ACE980	10.0000	0.0 N	15.0000	0.0 N	300.0000	100.0000	0.0 N	20.0000	0.0 N	150.0000
17	ACE981	0.0 L	0.0 N	20.0000	0.0 N	500.0000	200.0000	0.0 N	30.0000	0.0 N	100.0000
18	ACE982	0.0 L	0.0 N	7.0000	0.0 N	150.0000	30.0000	0.0 N	20.0000	0.0 L	100.0000
18	ACE983	1500.0000	1500.0000	0.0 N	0.0 N	300.0000	10.0000	0.0 N	0.0 L	10001.0000G	0.0 L
19	ACL931	0.0 L	0.0 N	15.0000	0.0 N	700.0000	150.0000	0.0 N	20.0000	0.0 N	150.0000
19	ACL932	0.0 N	0.0 N	15.0000	0.0 N	1000.0000	150.0000	0.0 N	15.0000	0.0 N	30.0000
20	ACL928	0.0 L	0.0 N	30.0000	0.0 N	1000.0000	300.0000	0.0 N	30.0000	0.0 L	70.0000
20	ACL929	10.0000	0.0 N	20.0000	0.0 N	1500.0000	150.0000	0.0 N	30.0000	0.0 L	70.0000
20	ACL930	0.0 L	0.0 N	50.0000	0.0 N	1000.0000	300.0000	0.0 N	50.0000	0.0 N	500.0000
21	ACL924	0.0 N	0.0 N	30.0000	0.0 N	700.0000	300.0000	0.0 N	20.0000	0.0 L	100.0000
21	ACL925	0.0 N	0.0 N	30.0000	0.0 N	700.0000	300.0000	0.0 N	20.0000	0.0 L	70.0000
21	ACL926	150.0000	0.0 N	5.0000	0.0 N	500.0000	50.0000	0.0 N	15.0000	0.0 N	50.0000
22	ACL922	15.0000	0.0 N	7.0000	0.0 N	700.0000	70.0000	0.0 N	20.0000	0.0 N	70.0000
22	ACL923	0.0 N	0.0 N	20.0000	0.0 N	1000.0000	150.0000	0.0 N	20.0000	0.0 L	70.0000
23	ACE966	0.0 N	0.0 N	10.0000	0.0 N	700.0000	70.0000	0.0 N	15.0000	0.0 N	100.0000
24	ACE965	0.0 N	0.0 N	15.0000	0.0 N	100.0000	1500.0000	0.0 N	10.0000	0.0 N	100.0000
25	ACE964	0.0 N	0.0 N	20.0000	0.0 N	1000.0000	200.0000	0.0 N	20.0000	0.0 L	70.0000
26	ACE963	10.0000	0.0 N	7.0000	0.0 N	500.0000	30.0000	0.0 N	10.0000	0.0 N	70.0000
27	ACE962	0.0 L	0.0 N	30.0000	0.0 N	700.0000	500.0000	0.0 N	10.0000	0.0 L	20.0000
28	ACE960	15.0000	0.0 N	15.0000	0.0 N	300.0000	200.0000	0.0 N	10.0000	0.0 N	0.0 L
28	ACE961	0.0 N	0.0 N	30.0000	0.0 N	500.0000	500.0000	0.0 N	10.0000	0.0 L	30.0000
29	ACE958	0.0 N	0.0 N	50.0000	0.0 N	300.0000	500.0000	0.0 N	15.0000	0.0 L	30.0000
29	ACE959	0.0 N	0.0 N	30.0000	0.0 N	500.0000	300.0000	0.0 N	30.0000	0.0 L	70.0000
30	ACE957	0.0 N	0.0 N	15.0000	0.0 N	1500.0000	150.0000	0.0 N	10.0000	0.0 N	50.0000
31	ACE993	0.0 L	0.0 N	30.0000	0.0 N	700.0000	300.0000	0.0 N	10.0000	0.0 N	0.0 N
32	ACE992	15.0000	0.0 N	15.0000	0.0 N	700.0000	300.0000	0.0 N	20.0000	0.0 N	100.0000
33	ACL936	0.0 N	0.0 N	0.0 N	0.0 N	200.0000	70.0000	0.0 N	0.0 L	0.0 N	70.0000
34	ACL921	10.0000	0.0 N	15.0000	0.0 N	700.0000	150.0000	0.0 N	20.0000	0.0 L	100.0000

CRAIG B-4 ROCK SAMPLES

	SAMPLE	AU PPM
1	ACE840	0.0200L
2	ACE839	0.0200L
3	ACL879	0.0200L
4	ACE838	0.0200L
5	ACE837	0.0200L
6	ACE835	0.0200L
7	ACE836	0.0200L
8	ACL935	0.0200L
9	ACL933	0.0200L
9	ACL934	0.0200L
10	ACE956	0.0200L
11	ACE970	0.0200L
12	ACE955	0.0200L
13	ACE969	0.0200L
14	ACE971	0.0200L
15	ACE972	0.0200L
16	ACE974	0.0200L
16	ACE975	0.0200L
16	ACE976	0.0200L
17	ACE977	0.0200L
17	ACE978	0.0200L
17	ACE979	0.1000
17	ACE980	0.0200L
17	ACE981	0.0200L
18	ACE982	0.0200L
18	ACE983	0.0600
18	ACL931	0.0200L
19	ACL932	0.0200L
20	ACL928	0.0200L
20	ACL929	0.0200L
20	ACL930	0.0200L
21	ACL924	0.0200L
21	ACL925	0.0200L
21	ACL926	0.0200L
22	ACL922	0.0200L
22	ACL923	0.0200L
23	ACE966	0.0200L
24	ACE965	0.0200L
25	ACE964	0.0200L
26	ACE963	0.0200L
27	ACE962	0.0200L
28	ACE960	0.0200L
28	ACE961	0.1000
29	ACE958	0.0200L
29	ACE959	0.0200L
30	ACE957	0.0200L
31	ACE993	0.0200L
32	ACE992	0.0200L
33	ACL936	0.0200L
34	ACL921	0.0200L

CRAIG B-4 ROCK SAMPLES

ANP Number	SAMPLE	FE PCT	MG PCT	CA PCT	TI PCT	MN PPM	AG PPM	AS PPM	AU PPM	B PPM	BA PPM
35	ACE986	1.5000	0.7000	1.5000	0.1500	300.0000	0.0 N	0.0 N	0.0 N	0.0 N	100.0000
36	ACE985	15.0000	2.0000	0.1000	0.7000	300.0000	0.0 L	0.0 N	0.0 N	0.0 L	150.0000
37	ACE987	10.0000	1.0000	1.5000	0.7000	700.0000	0.0 N	0.0 N	0.0 N	30.0000	700.0000
38	ACE988	10.0000	1.5000	0.7000	0.5000	700.0000	0.0 N	0.0 N	0.0 N	15.0000	200.0000
39	ACE973	15.0000	3.0000	0.7000	0.5000	1500.0000	0.0 N	0.0 N	0.0 N	15.0000	500.0000
39	ACE984	3.0000	0.5000	0.1500	0.1500	300.0000	0.0 L	0.0 N	0.0 N	0.0 L	150.0000
40	ACL937	15.0000	5.0000	7.0000	1.0000	1500.0000	0.0 N	0.0 N	0.0 N	20.0000	700.0000
41	ACL938	20.0000	5.0000	3.0000	1.0000	1500.0000	0.0 N	0.0 N	0.0 N	15.0000	300.0000
42	ACE887	0.7000	0.1500	0.2000	0.0700	150.0000	0.0 N	0.0 N	0.0 N	30.0000	0.0 L
43	ACL939	20.0000	5.0000	5.0000	0.7000	2000.0000	0.0 N	0.0 N	0.0 N	10.0000	700.0000
44	ACL940	15.0000	3.0000	3.0000	0.7000	1000.0000	0.0 N	0.0 N	0.0 N	50.0000	1000.0000
45	ACL941	15.0000	7.0000	7.0000	0.5000	1500.0000	0.0 N	0.0 N	0.0 N	30.0000	0.0 L
46	ACL942	20.0000	10.0000	7.0000	0.5000	1500.0000	0.0 N	0.0 N	0.0 N	20.0000	0.0 L
47	ACL949	15.0000	7.0000	10.0000	0.3000	1500.0000	0.0 N	0.0 N	0.0 N	15.0000	150.0000
48	ACL948	15.0000	3.0000	2.0000	0.7000	2000.0000	0.0 N	0.0 N	0.0 N	15.0000	1500.0000

CRAIG B-4 ROCK SAMPLES

	SAMPLE	BE PPM	BI PPM	CD PPM	CO PPM	CR PPM	CU PPM	LA PPM	MO PPM	NB PPM	NI PPM
35	ACE986	0.0 N	0.0 N	0.0 N	0.0 L	10.0000	0.0 L	0.0 N	0.0 N	0.0 L	15.0000
36	ACE985	0.0 N	0.0 N	0.0 N	30.0000	30.0000	15.0000	0.0 N	5.0000	10.0000	50.0000
37	ACE987	0.0 L	0.0 N	0.0 N	20.0000	70.0000	50.0000	0.0 N	0.0 N	10.0000	30.0000
38	ACE988	0.0 L	0.0 N	0.0 N	15.0000	10.0000	30.0000	0.0 N	0.0 N	10.0000	10.0000
39	ACE973	0.0 N	0.0 N	0.0 N	20.0000	150.0000	70.0000	0.0 N	0.0 L	0.0 L	70.0000
40	ACE984	0.0 N	0.0 N	0.0 N	5.0000	10.0000	20.0000	0.0 N	0.0 N	10.0000	20.0000
41	ACL937	1.5000	0.0 N	0.0 N	30.0000	200.0000	50.0000	70.0000	0.0 N	15.0000	100.0000
42	ACL938	0.0 N	0.0 N	0.0 N	50.0000	30.0000	150.0000	0.0 N	0.0 L	10.0000	20.0000
43	ACE887	0.0 N	0.0 N	0.0 N	5.0000	0.0 N	0.0 N	0.0 N	0.0 N	0.0 L	7.0000
44	ACL939	0.0 N	0.0 N	0.0 N	30.0000	50.0000	50.0000	0.0 L	0.0 L	10.0000	20.0000
45	ACL940	1.5000	0.0 N	0.0 N	10.0000	30.0000	30.0000	0.0 L	0.0 N	10.0000	10.0000
46	ACL941	0.0 N	0.0 N	0.0 N	30.0000	200.0000	150.0000	0.0 N	0.0 N	10.0000	100.0000
47	ACL942	0.0 N	0.0 N	0.0 N	50.0000	200.0000	70.0000	0.0 N	0.0 N	10.0000	100.0000
48	ACL949	0.0 N	0.0 N	0.0 N	30.0000	500.0000	70.0000	0.0 N	0.0 N	15.0000	100.0000
	ACL948	0.0 L	0.0 N	0.0 N	15.0000	10.0000	30.0000	0.0 N	0.0 L	15.0000	15.0000

CRAIG B-4 ROCK SAMPLES

	SAMPLE	PB PPM	SB PPM	SC PPM	SN PPM	SR PPM	V PPM	W PPM	Y PPM	ZN PPM	ZR PPM
35	ACE986	0.0 N	0.0 N	7.0000	0.0 N	100.0000	70.0000	0.0 N	0.0 L	0.0 N	50.0000
36	ACE985	0.0 L	0.0 N	30.0000	0.0 N	150.0000	300.0000	0.0 N	15.0000	0.0 N	70.0000
37	ACE987	0.0 N	0.0 N	30.0000	0.0 N	0.0 N	300.0000	0.0 N	30.0000	0.0 N	150.0000
38	ACE988	0.0 N	0.0 N	20.0000	0.0 N	200.0000	150.0000	0.0 N	20.0000	0.0 N	70.0000
39	ACE973	0.0 N	0.0 N	30.0000	0.0 N	0.0 N	300.0000	0.0 N	20.0000	0.0 L	70.0000
40	ACE984	0.0 N	0.0 N	7.0000	0.0 N	0.0 L	30.0000	0.0 N	0.0 L	0.0 N	15.0000
41	ACL937	0.0 N	0.0 N	30.0000	0.0 N	700.0000	200.0000	0.0 N	30.0000	0.0 L	70.0000
42	ACL938	10.0000	0.0 N	50.0000	0.0 N	300.0000	300.0000	0.0 N	30.0000	0.0 L	70.0000
43	ACE887	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	0.0 L
44	ACL939	20.0000	0.0 N	30.0000	0.0 N	150.0000	300.0000	0.0 N	30.0000	0.0 N	70.0000
45	ACL940	15.0000	0.0 N	20.0000	0.0 N	500.0000	150.0000	0.0 N	30.0000	0.0 N	100.0000
46	ACL941	10.0000	0.0 N	30.0000	0.0 N	200.0000	300.0000	0.0 N	20.0000	0.0 N	50.0000
47	ACL942	0.0 L	0.0 N	50.0000	0.0 N	100.0000	300.0000	0.0 N	20.0000	0.0 N	50.0000
48	ACL949	0.0 L	0.0 N	50.0000	0.0 N	200.0000	300.0000	0.0 N	15.0000	0.0 L	20.0000
49	ACL948	10.0000	0.0 N	30.0000	0.0 N	700.0000	200.0000	0.0 N	30.0000	0.0 L	70.0000

CRAIG B-4 ROCK SAMPLES

	SAMPLE	AU PPM
36	ACE986	0.0200L
37	ACE985	0.0200L
37	ACE987	0.0200L
38	ACE988	0.0200L
39	ACE973	0.0200L
39	ACE984	0.0200L
40	ACL937	0.0200L
41	ACL938	0.0200L
42	ACE887	0.0200L
43	ACL939	0.0200L
44	ACL940	0.0200L
45	ACL941	0.0200L
46	ACL942	0.0200L
47	ACL949	0.0200L
48	ACL948	0.0200L

FREQUENCY TABLE FOR COLUMN 1 (FE PCT)

LIMITS		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
LOWER -	UPPER				
3.8E-02 -	5.6E-02	0	0	0.0	0.0
5.6E-02 -	8.3E-02	1	1	1.54	1.54
8.3E-02 -	1.2E-01	0	1	0.0	1.54
1.2E-01 -	1.8E-01	0	1	0.0	1.54
1.8E-01 -	2.6E-01	1	2	1.54	3.08
2.6E-01 -	3.8E-01	1	3	1.54	4.62
3.8E-01 -	5.6E-01	0	3	0.0	4.62
5.6E-01 -	8.3E-01	2	5	3.08	7.69
8.3E-01 -	1.2E 00	0	5	0.0	7.69
1.2E 00 -	1.8E 00	2	7	3.08	10.77
1.8E 00 -	2.6E 00	1	8	1.54	12.31
2.6E 00 -	3.8E 00	6	14	9.23	21.54
3.8E 00 -	5.6E 00	5	19	7.69	29.23
5.6E 00 -	8.3E 00	4	23	6.15	35.38
8.3E 00 -	1.2E 01	9	32	13.85	49.23
1.2E 01 -	1.8E 01	23	55	35.38	84.62
1.8E 01 -	2.6E 01	7	62	10.77	95.38

HISTOGRAM FOR COLUMN 1 (FE PCT)

7.0E-02 XX
1.0E-01
1.5E-01
2.0E-01 XX
3.0E-01 XX
5.0E-01
7.0E-01 XXX
1.0E 00
1.5E 00 XXX
2.0E 00 XX
3.0E 00 XXXXXXXXX
5.0E 00 XXXXXXXXX
7.0E 00 XXXXXX
1.0E 01 XXXXXXXXXXXXXXXX
1.5E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
2.0E 01 XXXXXXXXXXXXX

N	L	H	B	T	G	ANALYTICAL VALUES
0	0	0	0	0	3	62
0.0	0.0			0.0	4.62	

MAXIMUM = 2.00000E 01

MINIMUM = 7.00000E-02

GEOMETRIC MEAN = 7.12206E 00

GEOMETRIC DEVIATION = 3.31839E 00

FREQUENCY TABLE FOR COLUMN 2 (MG PCT)

LIMITS		FREQ	FREQ	PERCENT	PERCENT
LOWER	UPPER		CUM	FREQ	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	1.54	1.54
8.3E-02	1.2E-01	1	2	1.54	3.08
1.2E-01	1.8E-01	1	3	1.54	4.62
1.8E-01	2.6E-01	0	3	0.0	4.62
2.6E-01	3.8E-01	0	3	0.0	4.62
3.8E-01	5.6E-01	1	4	1.54	6.15
5.6E-01	8.3E-01	9	13	13.85	20.00
8.3E-01	1.2E 00	6	19	9.23	29.23
1.2E 00	1.8E 00	8	27	12.31	41.54
1.8E 00	2.6E 00	8	35	12.31	53.85
2.6E 00	3.8E 00	13	48	20.00	73.85
3.8E 00	5.6E 00	9	57	13.85	87.69
5.6E 00	8.3E 00	7	64	10.77	98.46
8.3E 00	1.2E 01	1	65	1.54	100.00

HISTOGRAM FOR COLUMN 2 (MG PCT)

7.0E-02 XX

1.0E-01 XX

1.5E-01 XX

2.0E-01

3.0E-01

5.0E-01 XX

7.0E-01 XXXXXXXXXXXXXXXX

1.0E 00 XXXXXXXXXX

1.5E 00 XXXXXXXXXXXXXXXX

2.0E 00 XXXXXXXXXXXXXXXX

3.0E 00 XXXXXXXXXXXXXXXXXXXX

5.0E 00 XXXXXXXXXXXXXXXX

7.0E 00 XXXXXXXXXXXXXXXX

1.0E 01 XX

N
0
0.0

L
0
0.0

H
0

B
0

T
0
0.0

G
0
0.0

ANALYTICAL
VALUES
65

MAXIMUM = 1.00000E 01

MINIMUM = 7.00000E-02

GEOMETRIC MEAN = 1.92937E 00

GEOMETRIC DEVIATION = 2.75000E 00

FREQUENCY TABLE FOR COLUMN 3 (CA PCT)

LIMITS		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
LOWER -	UPPER				
3.8E-02 -	5.6E-02	0	0	0.0	0.0
5.6E-02 -	8.3E-02	2	2	3.08	3.08
8.3E-02 -	1.2E-01	1	3	1.54	4.62
1.2E-01 -	1.8E-01	1	4	1.54	6.15
1.8E-01 -	2.6E-01	1	5	1.54	7.69
2.6E-01 -	3.8E-01	0	5	0.0	7.69
3.8E-01 -	5.6E-01	1	6	1.54	9.23
5.6E-01 -	8.3E-01	2	8	3.08	12.31
8.3E-01 -	1.2E 00	1	9	1.54	13.85
1.2E 00 -	1.8E 00	9	18	13.85	27.69
1.8E 00 -	2.6E 00	4	22	6.15	33.85
2.6E 00 -	3.8E 00	6	28	9.23	43.08
3.8E 00 -	5.6E 00	11	39	16.92	60.00
5.6E 00 -	8.3E 00	17	56	26.15	86.15
8.3E 00 -	1.2E 01	6	62	9.23	95.38
1.2E 01 -	1.8E 01	3	65	4.62	100.00

HISTOGRAM FOR COLUMN 3 (CA PCT)

7.0E-02 XXX
 1.0E-01 XX
 1.5E-01 XX
 2.0E-01 XX
 3.0E-01
 5.0E-01 XX
 7.0E-01 XXX
 1.0E 00 XX
 1.5E 00 XXXXXXXXXXXXXXXX
 2.0E 00 XXXXXX
 3.0E 00 XXXXXXXXX
 5.0E 00 XXXXXXXXXXXXXXXXXXXX
 7.0E 00 XXXXXXXXXXXXXXXXXXXXXXXXXXXX
 1.0E 01 XXXXXXXXX
 1.5E 01 XXXXX

N L H B T G
 0 0 0 0 0 0
 0.0 0.0 0.0 0.0

ANALYTICAL
 VALUES
 65

MAXIMUM = 1.50000E 01

MINIMUM = 7.00000E-02

GEOMETRIC MEAN = 3.08390E 00

GEOMETRIC DEVIATION = 3.51758E 00

FREQUENCY TABLE FOR COLUMN 4 (TI PCT)

LIMITS		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
LOWER -	UPPER				
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	1	1	1.54	1.54
1.8E-02 -	2.6E-02	0	1	0.0	1.54
2.6E-02 -	3.8E-02	0	1	0.0	1.54
3.8E-02 -	5.6E-02	0	1	0.0	1.54
5.6E-02 -	8.3E-02	1	2	1.54	3.08
8.3E-02 -	1.2E-01	2	4	3.08	6.15
1.2E-01 -	1.8E-01	2	6	3.08	9.23
1.8E-01 -	2.6E-01	2	8	3.08	12.31
2.6E-01 -	3.8E-01	19	27	29.23	41.54
3.8E-01 -	5.6E-01	13	40	20.00	61.54
5.6E-01 -	8.3E-01	12	52	18.46	80.00
8.3E-01 -	1.2E 00	10	62	15.38	95.38

HISTOGRAM FOR COLUMN 4 (TI PCT)

1.5E-02 XX
2.0E-02
3.0E-02
5.0E-02
7.0E-02 XX
1.0E-01 XXX
1.5E-01 XXX
2.0E-01 XXX
3.0E-01 XXXXXXXXXXXXXXXXXXXXXXXXXXXX
5.0E-01 XXXXXXXXXXXXXXXXXXXXXXXX
7.0E-01 XXXXXXXXXXXXXXXXXXXXXXXX
1.0E 00 XXXXXXXXXXXXXXXX

N	L	H	B	T	G
0	0	0	0	0	3
0.0	0.0			0.0	4.62

ANALYTICAL
VALUES
62

MAXIMUM = 1.00000E 00

MINIMUM = 1.50000E-02

GEOMETRIC MEAN = 4.14225E-01

GEOMETRIC DEVIATION = 2.12933E 00

FREQUENCY TABLE FOR COLUMN 5 (MN PPM)

LIMITS		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
LOWER	UPPER				
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	3	3	4.62	4.62
8.3E 01	1.2E 02	0	3	0.0	4.62
1.2E 02	1.8E 02	1	4	1.54	6.15
1.8E 02	2.6E 02	2	6	3.08	9.23
2.6E 02	3.8E 02	8	14	12.31	21.54
3.8E 02	5.6E 02	4	18	6.15	27.69
5.6E 02	8.3E 02	9	27	13.85	41.54
8.3E 02	1.2E 03	10	37	15.38	56.92
1.2E 03	1.8E 03	21	58	32.31	89.23
1.8E 03	2.6E 03	6	64	9.23	98.46

HISTOGRAM FOR COLUMN 5 (MN PPM)

7.0E 01 XXXXX

1.0E 02

1.5E 02 XX

2.0E 02 XXX

3.0E 02 XXXXXXXXXXXXX

5.0E 02 XXXXXX

7.0E 02 XXXXXXXXXXXXXXX

1.0E 03 XXXXXXXXXXXXXXXXX

1.5E 03 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

2.0E 03 XXXXXXXXX

N	L	H	B	T	G
0	0	0	0	0	1
0.0	0.0			0.0	1.54

ANALYTICAL
VALUES
64

MAXIMUM = 2.00000E 03

MINIMUM = 7.00000E 01

GEOMETRIC MEAN = 7.78370E 02

GEOMETRIC DEVIATION = 2.37122E 00

FREQUENCY TABLE FOR COLUMN 6 (AG PPM)

LIMITS		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
LOWER -	UPPER				
3.8E-01 -	5.6E-01	2	2	3.08	3.08
5.6E-01 -	8.3E-01	4	6	6.15	9.23
8.3E-01 -	1.2E 00	0	6	0.0	9.23
1.2E 00 -	1.8E 00	1	7	1.54	10.77
1.8E 00 -	2.6E 00	0	7	0.0	10.77
2.6E 00 -	3.8E 00	0	7	0.0	10.77
3.8E 00 -	5.6E 00	0	7	0.0	10.77
5.6E 00 -	8.3E 00	1	8	1.54	12.31
8.3E 00 -	1.2E 01	0	8	0.0	12.31
1.2E 01 -	1.8E 01	0	8	0.0	12.31
1.8E 01 -	2.6E 01	0	8	0.0	12.31
2.6E 01 -	3.8E 01	0	8	0.0	12.31
3.8E 01 -	5.6E 01	0	8	0.0	12.31
5.6E 01 -	8.3E 01	0	8	0.0	12.31
8.3E 01 -	1.2E 02	1	9	1.54	13.85

HISTOGRAM FOR COLUMN 6 (AG PPM)

5.0E-01 XXX
7.0E-01 XXXXXX
1.0E 00
1.5E 00 XX
2.0E 00
3.0E 00
5.0E 00
7.0E 00 XX
1.0E 01
1.5E 01
2.0E 01
3.0E 01
5.0E 01
7.0E 01
1.0E 02 XX

N	L	H	B	T	G
41	15	0	0	0	0
63.08	23.08			0.0	0.0

ANALYTICAL
VALUES
9

MAXIMUM = 1.00000E 02

MINIMUM = 5.00000E-01

GEOMETRIC MEAN = 1.58470E 00

GEOMETRIC DEVIATION = 5.80002E 00

FREQUENCY TABLE FOR COLUMN 7 (AS PPM)

LIMITS		FREQ	FREQ	PERCENT	PERCENT
LOWER - UPPER			CUM	FREQ	FREQ CUM
1.8E 02 -	2.6E 02	1	1	1.54	1.54
2.6E 02 -	3.8E 02	1	2	1.54	3.08

HISTOGRAM FOR COLUMN 7 (AS PPM)

2.0E 02 XX

3.0E 02 XX

N	L	H	B	T	G
63	0	0	0	0	0
96.92	0.0			0.0	0.0

ANALYTICAL
VALUES
2

MAXIMUM = 3.00000E 02

MINIMUM = 2.00000E 02

GEOMETRIC MEAN = 2.44948E 02

GEOMETRIC DEVIATION = 1.33202E 00

FREQUENCY TABLE FOR COLUMN 8 (AU PPM)

LIMITS
LOWER - UPPER

FREQ

FREQ
CUM

PERCENT
FREQ

PERCENT
FREQ CUM

N
65

L
0
0.0

H
0

B
0

T
0
0.0

G
0
0.0

ANALYTICAL
VALUES
0

MAXIMUM = -9.99900E 48

MINIMUM = 9.99900E 48

GEOMETRIC MEAN = 9.99900E 48

GEOMETRIC DEVIATION = 9.99900E 48

FREQUENCY TABLE FOR COLUMN 9 (8 PPM)

LIMITS		FREQ		PERCENT	
LOWER	UPPER		CUM	FREQ	FREQ CUM
8.3E 00	1.2E 01	5	5	7.69	7.69
1.2E 01	1.8E 01	12	17	18.46	26.15
1.8E 01	2.6E 01	3	20	4.62	30.77
2.6E 01	3.8E 01	6	26	9.23	40.00
3.8E 01	5.6E 01	1	27	1.54	41.54
5.6E 01	8.3E 01	1	28	1.54	43.08
8.3E 01	1.2E 02	0	28	0.0	43.08
1.2E 02	1.8E 02	3	31	4.62	47.69
1.8E 02	2.6E 02	0	31	0.0	47.69
2.6E 02	3.8E 02	0	31	0.0	47.69
3.8E 02	5.6E 02	0	31	0.0	47.69
5.6E 02	8.3E 02	0	31	0.0	47.69
8.3E 02	1.2E 03	1	32	1.54	49.23

HISTOGRAM FOR COLUMN 9 (8 PPM)

1.0E 01 XXXXXXXX
 1.5E 01 XXXXXXXXXXXXXXXXXXXX
 2.0E 01 XXXXX
 3.0E 01 XXXXXXXXX
 5.0E 01 XX
 7.0E 01 XX
 1.0E 02
 1.5E 02 XXXXX
 2.0E 02
 3.0E 02
 5.0E 02
 7.0E 02
 1.0E 03 XX

N	L	H	B	T	G
12	21	0	0	0	0
18.46	32.31			0.0	0.0

ANALYTICAL
VALUES
32

MAXIMUM = 1.00000E 03

MINIMUM = 1.00000E 01

GEOMETRIC MEAN = 2.53934E 01

GEOMETRIC DEVIATION = 2.78189E 00

FREQUENCY TABLE FOR COLUMN 10 (BA PPM)

LIMITS		FREQ	FREQ CUM	PERCENT	
LOWER	UPPER			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	0	0	0.0	0.0
8.3E 01	1.2E 02	2	2	3.08	3.08
1.2E 02	1.8E 02	8	10	12.31	15.38
1.8E 02	2.6E 02	3	13	4.62	20.00
2.6E 02	3.8E 02	15	28	23.08	43.08
3.8E 02	5.6E 02	2	30	3.08	46.15
5.6E 02	8.3E 02	12	42	18.46	64.62
8.3E 02	1.2E 03	4	46	6.15	70.77
1.2E 03	1.8E 03	10	56	15.38	86.15
1.8E 03	2.6E 03	2	58	3.08	89.23
2.6E 03	3.8E 03	1	59	1.54	90.77

HISTOGRAM FOR COLUMN 10 (BA PPM)

1.0E 02 XXX
1.5E 02 XXXXXXXXXXXXX
2.0E 02 XXXXX
3.0E 02 XXXXXXXXXXXXXXXXXXXXXXXX
5.0E 02 XXX
7.0E 02 XXXXXXXXXXXXXXXXXXXXX
1.0E 03 XXXXXX
1.5E 03 XXXXXXXXXXXXXXXX
2.0E 03 XXX
3.0E 03 XX

N	L	H	B	T	G
0	6	0	0	0	0
0.0	9.23			0.0	0.0

ANALYTICAL
VALUES
59

MAXIMUM = 3.00000E 03

MINIMUM = 1.00000E 02

GEOMETRIC MEAN = 4.92413E 02

GEOMETRIC DEVIATION = 2.42701E 00

FREQUENCY TABLE FOR COLUMN 11 (BE PPM)

LIMITS		FREQ	FREQ	PERCENT	PERCENT
LOWER	UPPER		CUM	FREQ	FREQ CUM
8.3E-01 -	1.2E 00	7	7	10.77	10.77
1.2E 00 -	1.8E 00	5	12	7.69	18.46
1.8E 00 -	2.6E 00	0	12	0.0	18.46
2.6E 00 -	3.8E 00	1	13	1.54	20.00

HISTOGRAM FOR COLUMN 11 (BE PPM)

1.0E 00 XXXXXXXXXXXX

1.5E 00 XXXXXXXXX

2.0E 00

3.0E 00 XX

N	L	H	B	T	G	ANALYTICAL
26	26	0	0	0	0	VALUES
40.00	40.00			0.0	0.0	13

MAXIMUM = 3.00000E 00

MINIMUM = 1.00000E 00

GEOMETRIC MEAN = 1.27183E 00

GEOMETRIC DEVIATION = 1.38577E 00

FREQUENCY TABLE FOR COLUMN 12 (81 PPM)

LIMITS		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
LOWER -	UPPER				
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	1	1	1.54	1.54

HISTOGRAM FOR COLUMN 12 (81 PPM)

1.0E 02 XX

N	L	H	B	T	G	ANALYTICAL VALUES
64	0	0	0	0	0	1
98.46	0.0			0.0	0.0	

MAXIMUM = 1.00000E 02

MINIMUM = 1.00000E 02

GEOMETRIC MEAN = 9.99999E 01

GEOMETRIC DEVIATION = 9.99900E 48

FREQUENCY TABLE FOR COLUMN 13 (CD PPM)

LIMITS		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
LOWER -	UPPER				
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	1.54	1.54

HISTOGRAM FOR COLUMN 13 (CD PPM)

7.0E 01 XX

N	L	H	B	T	G	ANALYTICAL VALUES
64	0	0	0	0	0	1
98.46	0.0			0.0	0.0	

MAXIMUM = 7.00000E 01

MINIMUM = 7.00000E 01

GEOMETRIC MEAN = 6.99999E 01

GEOMETRIC DEVIATION = 9.99900E 48

FREQUENCY TABLE FOR COLUMN 14 (CO PPM)

LIMITS		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
LOWER	UPPER				
3.8E 00	5.6E 00	5	5	7.69	7.69
5.6E 00	8.3E 00	0	5	0.0	7.69
8.3E 00	1.2E 01	6	11	9.23	16.92
1.2E 01	1.8E 01	4	15	6.15	23.08
1.8E 01	2.6E 01	10	25	15.38	38.46
2.6E 01	3.8E 01	15	40	23.08	61.54
3.8E 01	5.6E 01	5	45	7.69	69.23
5.6E 01	8.3E 01	5	50	7.69	76.92
8.3E 01	1.2E 02	3	53	4.62	81.54
1.2E 02	1.8E 02	1	54	1.54	83.08
1.8E 02	2.6E 02	0	54	0.0	83.08
2.6E 02	3.8E 02	0	54	0.0	83.08
3.8E 02	5.6E 02	1	55	1.54	84.62

HISTOGRAM FOR COLUMN 14 (CO PPM)

5.0E 00 XXXXXXXX
7.0E 00
1.0E 01 XXXXXXXXX
1.5E 01 XXXXXX
2.0E 01 XXXXXXXXXXXXXXXX
3.0E 01 XXXXXXXXXXXXXXXXXXXXXXXX
5.0E 01 XXXXXXXXX
7.0E 01 XXXXXXXXX
1.0E 02 XXXXX
1.5E 02 XX
2.0E 02
3.0E 02
5.0E 02 XX

N L H B T G
7 3 0 0 0 0
10.77 4.62 0.0 0.0

ANALYTICAL
VALUES
55

MAXIMUM = 5.00000E 02

MINIMUM = 5.00000E 00

GEOMETRIC MEAN = 2.61505E 01

GEOMETRIC DEVIATION = 2.50597E 00

FREQUENCY TABLE FOR COLUMN 15 (CR PPM)

LIMITS		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
LOWER	UPPER				
3.8E 00	5.6E 00	1	1	1.54	1.54
5.6E 00	8.3E 00	0	1	0.0	1.54
8.3E 00	1.2E 01	9	10	13.85	15.38
1.2E 01	1.8E 01	7	17	10.77	26.15
1.8E 01	2.6E 01	5	22	7.69	33.85
2.6E 01	3.8E 01	6	28	9.23	43.08
3.8E 01	5.6E 01	3	31	4.62	47.69
5.6E 01	8.3E 01	2	33	3.08	50.77
8.3E 01	1.2E 02	2	35	3.08	53.85
1.2E 02	1.8E 02	5	40	7.69	61.54
1.8E 02	2.6E 02	4	44	6.15	67.69
2.6E 02	3.8E 02	0	44	0.0	67.69
3.8E 02	5.6E 02	1	45	1.54	69.23

HISTOGRAM FOR COLUMN 15 (CR PPM)

5.0E 00 XX
7.0E 00
1.0E 01 XXXXXXXXXXXXX
1.5E 01 XXXXXXXXXXXXX
2.0E 01 XXXXXXXXX
3.0E 01 XXXXXXXXX
5.0E 01 XXXXX
7.0E 01 XXX
1.0E 02 XXX
1.5E 02 XXXXXXXXX
2.0E 02 XXXXXXX
3.0E 02
5.0E 02 XX

N	L	H	B	T	G
8	12	0	0	0	0
12.31	18.46			0.0	0.0

ANALYTICAL
VALUES
45

MAXIMUM = 5.00000E 02

MINIMUM = 5.00000E 00

GEOMETRIC MEAN = 3.39188E 01

GEOMETRIC DEVIATION = 3.15110E 00

FREQUENCY TABLE FOR COLUMN 16 (CU PPM)

LIMITS		FREQ	FREQ CUM	PERCENT	
LOWER	UPPER			FREQ	PERCENT FREQ CUM
3.8E 00	5.6E 00	2	2	3.08	3.08
5.6E 00	8.3E 00	0	2	0.0	3.08
8.3E 00	1.2E 01	3	5	4.62	7.69
1.2E 01	1.8E 01	2	7	3.08	10.77
1.8E 01	2.6E 01	5	12	7.69	18.46
2.6E 01	3.8E 01	7	19	10.77	29.23
3.8E 01	5.6E 01	4	23	6.15	35.38
5.6E 01	8.3E 01	13	36	20.00	55.38
8.3E 01	1.2E 02	4	40	6.15	61.54
1.2E 02	1.8E 02	10	50	15.38	76.92
1.8E 02	2.6E 02	2	52	3.08	80.00
2.6E 02	3.8E 02	1	53	1.54	81.54
3.8E 02	5.6E 02	1	54	1.54	83.08
5.6E 02	8.3E 02	1	55	1.54	84.62
8.3E 02	1.2E 03	1	56	1.54	86.15
1.2E 03	1.8E 03	0	56	0.0	86.15
1.8E 03	2.6E 03	0	56	0.0	86.15
2.6E 03	3.8E 03	0	56	0.0	86.15
3.8E 03	5.6E 03	0	56	0.0	86.15
5.6E 03	8.3E 03	0	56	0.0	86.15
8.3E 03	1.2E 04	1	57	1.54	87.69
1.2E 04	1.8E 04	0	57	0.0	87.69
1.8E 04	2.6E 04	1	58	1.54	89.23

HISTOGRAM FOR COLUMN 16 (CU PPM)

35

```

5.0E 00 XXX
7.0E 00
1.0E 01 XXXXX
1.5E 01 XXX
2.0E 01 XXXXXXXX
3.0E 01 XXXXXXXXXXXX
5.0E 01 XXXXXX
7.0E 01 XXXXXXXXXXXXXXXXXXXX
1.0E 02 XXXXXX
1.5E 02 XXXXXXXXXXXXXXXX
2.0E 02 XXX
3.0E 02 XX
5.0E 02 XX
7.0E 02 XX
1.0E 03 XX

```

1.5E 03

2.0E 03

3.0E 03

5.0E 03

7.0E 03

1.0E 04 XX

1.5E 04

2.0E 04 XX

N
1
1.54

L
6
9.23

H
0

B
0

T
0
0.0

G
0
0.0

ANALYTICAL
VALUES
58

MAXIMUM = 2.00010E 04

MINIMUM = 5.00000E 00

GEOMETRIC MEAN = 7.29693E 01

GEOMETRIC DEVIATION = 4.44226E 00

FREQUENCY TABLE FOR COLUMN 17 (LA PPM)

LIMITS		FREQ	FREQ CUM	PERCENT	
LOWER -	UPPER			FREQ	FREQ CUM
1.8E 01 -	2.6E 01	10	10	15.38	15.38
2.6E 01 -	3.8E 01	3	13	4.62	20.00
3.8E 01 -	5.6E 01	2	15	3.08	23.08
5.6E 01 -	8.3E 01	1	16	1.54	24.62
8.3E 01 -	1.2E 02	0	16	0.0	24.62
1.2E 02 -	1.8E 02	1	17	1.54	26.15

HISTOGRAM FOR COLUMN 17 (LA PPM)

2.0E 01 XXXXXXXXXXXXXXXX

3.0E 01 XXXXX

5.0E 01 XXX

7.0E 01 XX

1.0E 02

1.5E 02 XX

N	L	H	B	T	G	ANALYTICAL VALUES
32	16	0	0	0	0	
49.23	24.62			0.0	0.0	17

MAXIMUM = 1.50000E 02

MINIMUM = 2.00000E 01

GEOMETRIC MEAN = 2.89999E 01

GEOMETRIC DEVIATION = 1.79300E 00

FREQUENCY TABLE FOR COLUMN 18 (NO PPM)

LIMITS		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
LOWER	UPPER				
3.8E 00 -	5.6E 00	4	4	6.15	6.15
5.6E 00 -	8.3E 00	2	6	3.08	9.23
8.3E 00 -	1.2E 01	1	7	1.54	10.77
1.2E 01 -	1.8E 01	6	13	9.23	20.00
1.8E 01 -	2.6E 01	0	13	0.0	20.00
2.6E 01 -	3.8E 01	0	13	0.0	20.00
3.8E 01 -	5.6E 01	0	13	0.0	20.00
5.6E 01 -	8.3E 01	0	13	0.0	20.00
8.3E 01 -	1.2E 02	0	13	0.0	20.00
1.2E 02 -	1.8E 02	0	13	0.0	20.00
1.8E 02 -	2.6E 02	0	13	0.0	20.00
2.6E 02 -	3.8E 02	0	13	0.0	20.00
3.8E 02 -	5.6E 02	0	13	0.0	20.00
5.6E 02 -	8.3E 02	0	13	0.0	20.00
8.3E 02 -	1.2E 03	0	13	0.0	20.00
1.2E 03 -	1.8E 03	1	14	1.54	21.54

HISTOGRAM FOR COLUMN 18 (NO PPM)

5.0E 00 XXXXXX
7.0E 00 XXX
1.0E 01 XX
1.5E 01 XXXXXXXXX
2.0E 01
3.0E 01
5.0E 01
7.0E 01
1.0E 02
1.5E 02
2.0E 02
3.0E 02
5.0E 02
7.0E 02
1.0E 03
1.5E 03 XX

N L H 8 T G
26 25 0 0 0 0
40.00 38.46 0.0 0.0

ANALYTICAL
VALUES
14

MAXIMUM = 1.50000E 03

MINIMUM = 5.00000E 00

GEOMETRIC MEAN = 1.32667E 01

GEOMETRIC DEVIATION = 4.24250E 00

FREQUENCY TABLE FOR COLUMN 19 (NB PPM)

LIMITS		FREQ	FREQ CUM	PERCENT	
LOWER	UPPER			FREQ	FREQ CUM
8.3E 00 -	1.2E 01	27	27	41.54	41.54
1.2E 01 -	1.8E 01	14	41	21.54	63.08
1.8E 01 -	2.6E 01	0	41	0.0	63.08
2.6E 01 -	3.8E 01	2	43	3.08	66.15
3.8E 01 -	5.6E 01	1	44	1.54	67.69

HISTOGRAM FOR COLUMN 19 (NB PPM)

1.0E 01 XX
 1.5E 01 XXXXXXXXXXXXXXXXXXXXXXXX
 2.0E 01
 3.0E 01 XXX
 5.0E 01 XX

N	L	H	B	T	G
0	21	0	0	0	0
0.0	32.31			0.0	0.0

ANALYTICAL
VALUES
44

MAXIMUM = 5.00000E 01

MINIMUM = 1.00000E 01

GEOMETRIC MEAN = 1.24049E 01

GEOMETRIC DEVIATION = 1.41888E 00

FREQUENCY TABLE FOR COLUMN 20 (NI PPM)

LIMITS		FREQ	FREQ CUM	PERCENT	
LOWER	UPPER			FREQ	FREQ CUM
3.8E 00	5.6E 00	2	2	3.08	3.08
5.6E 00	8.3E 00	6	8	9.23	12.31
8.3E 00	1.2E 01	6	14	9.23	21.54
1.2E 01	1.8E 01	10	24	15.38	36.92
1.8E 01	2.6E 01	8	32	12.31	49.23
2.6E 01	3.8E 01	8	40	12.31	61.54
3.8E 01	5.6E 01	7	47	10.77	72.31
5.6E 01	8.3E 01	4	51	6.15	78.46
8.3E 01	1.2E 02	6	57	9.23	87.69
1.2E 02	1.8E 02	1	58	1.54	89.23
1.8E 02	2.6E 02	0	58	0.0	89.23
2.6E 02	3.8E 02	1	59	1.54	90.77

HISTOGRAM FOR COLUMN 20 (NI PPM)

5.0E 00 XXX
7.0E 00 XXXXXXXXX
1.0E 01 XXXXXXXXX
1.5E 01 XXXXXXXXXXXXXXXX
2.0E 01 XXXXXXXXXXXXXXXX
3.0E 01 XXXXXXXXXXXXXXXX
5.0E 01 XXXXXXXXXXXXXXXX
7.0E 01 XXXXXX
1.0E 02 XXXXXXXXX
1.5E 02 XX
2.0E 02
3.0E 02 XX

N	L	H	B	T	G
2	4	0	0	0	0
3.08	6.15			0.0	0.0

ANALYTICAL
VALUES
59

MAXIMUM = 3.00000E 02

MINIMUM = 5.00000E 00

GEOMETRIC MEAN = 2.49048E 01

GEOMETRIC DEVIATION = 2.57142E 00

FREQUENCY TABLE FOR COLUMN 21 (PB PPM)

LIMITS		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
LOWER -	UPPER				
8.3E 00 -	1.2E 01	7	7	10.77	10.77
1.2E 01 -	1.8E 01	5	12	7.69	18.46
1.8E 01 -	2.6E 01	1	13	1.54	20.00
2.6E 01 -	3.8E 01	2	15	3.08	23.08
3.8E 01 -	5.6E 01	0	15	0.0	23.08
5.6E 01 -	8.3E 01	1	16	1.54	24.62
8.3E 01 -	1.2E 02	0	16	0.0	24.62
1.2E 02 -	1.8E 02	1	17	1.54	26.15
1.8E 02 -	2.6E 02	0	17	0.0	26.15
2.6E 02 -	3.8E 02	0	17	0.0	26.15
3.8E 02 -	5.6E 02	0	17	0.0	26.15
5.6E 02 -	8.3E 02	0	17	0.0	26.15
8.3E 02 -	1.2E 03	0	17	0.0	26.15
1.2E 03 -	1.8E 03	1	18	1.54	27.69

HISTOGRAM FOR COLUMN 21 (PB PPM)

1.0E 01 XXXXXXXXXXXX

1.5E 01 XXXXXXXXX

2.0E 01 XX

3.0E 01 XXX

5.0E 01

7.0E 01 XX

1.0E 02

1.5E 02 XX

2.0E 02

3.0E 02

5.0E 02

7.0E 02

1.0E 03

1.5E 03 XX

N	L	H	B	T	G
30	17	0	0	0	0
46.15	26.15			0.0	0.0

ANALYTICAL
VALUES
18

MAXIMUM = 1.50000E 03

MINIMUM = 1.00000E 01

GEOMETRIC MEAN = 2.24817E 01

GEOMETRIC DEVIATION = 3.61955E 00

FREQUENCY TABLE FOR COLUMN 22 (SB PPM)

LIMITS		FREQ	FREQ	PERCENT	PERCENT
LOWER	UPPER		CUM	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	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 03	0	0	0.0	0.0
1.2E 03 -	1.8E 03	1	1	1.54	1.54

HISTOGRAM FOR COLUMN 22 (SB PPM)

1.5E 03 XX

N	L	H	B	T	G	ANALYTICAL
64	0	0	0	0	0	VALUES
98.46	0.0			0.0	0.0	1

MAXIMUM = 1.50000E 03

MINIMUM = 1.50000E 03

GEOMETRIC MEAN = 1.50000E 03

GEOMETRIC DEVIATION = 9.99900E 48

FREQUENCY TABLE FOR COLUMN 23 (SC PPM)

LIMITS		FREQ	FREQ CUM	PERCENT	
LOWER	UPPER			FREQ	FREQ CUM
3.8E 00	5.6E 00	4	4	6.15	6.15
5.6E 00	8.3E 00	7	11	10.77	16.92
8.3E 00	1.2E 01	4	15	6.15	23.08
1.2E 01	1.8E 01	11	26	16.92	40.00
1.8E 01	2.6E 01	10	36	15.38	55.38
2.6E 01	3.8E 01	20	56	30.77	86.15
3.8E 01	5.6E 01	5	61	7.69	93.85

HISTOGRAM FOR COLUMN 23 (SC PPM)

5.0E 00 XXXXXX

7.0E 00 XXXXXXXXXXXX

1.0E 01 XXXXXX

1.5E 01 XXXXXXXXXXXXXXXXXXXX

2.0E 01 XXXXXXXXXXXXXXXXXXXX

3.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

5.0E 01 XXXXXXXX

N	L	H	B	T	G
4	0	0	0	0	0
6.15	0.0			0.0	0.0

ANALYTICAL
VALUES
61

MAXIMUM = 5.00000E 01

MINIMUM = 5.00000E 00

GEOMETRIC MEAN = 1.80845E 01

GEOMETRIC DEVIATION = 1.90953E 00

FREQUENCY TABLE FOR COLUMN 24 (SN PPM)

LIMITS		FREQ	FREQ	PERCENT	PERCENT	ANALYTICAL VALUES
LOWER	UPPER		CUM	FREQ	FREQ CUM	
N	L	H	B	T	G	
65	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 25 (SR PPM)

LIMITS		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
LOWER	UPPER				
8.3E 01 -	1.2E 02	4	4	6.15	6.15
1.2E 02 -	1.8E 02	4	8	6.15	12.31
1.8E 02 -	2.6E 02	4	12	6.15	18.46
2.6E 02 -	3.8E 02	8	20	12.31	30.77
3.8E 02 -	5.6E 02	11	31	16.92	47.69
5.6E 02 -	8.3E 02	19	50	29.23	76.92
8.3E 02 -	1.2E 03	6	56	9.23	86.15
1.2E 03 -	1.8E 03	2	58	3.08	89.23

HISTOGRAM FOR COLUMN 25 (SR PPM)

1.0E 02 XXXXXX
 1.5E 02 XXXXXX
 2.0E 02 XXXXXX
 3.0E 02 XXXXXXXXXXXXX
 5.0E 02 XXXXXXXXXXXXXXXXXXXX
 7.0E 02 XXXXXXXXXXXXXXXXXXXXXXXXXXXX
 1.0E 03 XXXXXXXXXX
 1.5E 03 XXX

N L H B T G
 3 4 0 0 0 0
 4.62 6.15 0.0 0.0

ANALYTICAL
 VALUES
 58

MAXIMUM = 1.50000E 03

MINIMUM = 1.00000E 02

GEOMETRIC MEAN = 4.48866E 02

GEOMETRIC DEVIATION = 2.02502E 00

FREQUENCY TABLE FOR COLUMN 26 (V PPM)

LIMITS		FREQ	FREQ	PERCENT	PERCENT
LOWER	UPPER		CUM	FREQ	FREQ CUM
8.3E 00	1.2E 01	1	1	1.54	1.54
1.2E 01	1.8E 01	0	1	0.0	1.54
1.8E 01	2.6E 01	1	2	1.54	3.08
2.6E 01	3.8E 01	5	7	7.69	10.77
3.8E 01	5.6E 01	3	10	4.62	15.38
5.6E 01	8.3E 01	6	16	9.23	24.62
8.3E 01	1.2E 02	3	19	4.62	29.23
1.2E 02	1.8E 02	10	29	15.38	44.62
1.8E 02	2.6E 02	11	40	16.92	61.54
2.6E 02	3.8E 02	20	60	30.77	92.31
3.8E 02	5.6E 02	4	64	6.15	98.46
5.6E 02	8.3E 02	0	64	0.0	98.46
8.3E 02	1.2E 03	0	64	0.0	98.46
1.2E 03	1.8E 03	1	65	1.54	100.00

HISTOGRAM FOR COLUMN 26 (V PPM)

1.0E 01 XX
1.5E 01
2.0E 01 XX
3.0E 01 XXXXXXXX
5.0E 01 XXXXX
7.0E 01 XXXXXXXXXX
1.0E 02 XXXXX
1.5E 02 XXXXXXXXXXXXXXXX
2.0E 02 XXXXXXXXXXXXXXXX
3.0E 02 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
5.0E 02 XXXXXX
7.0E 02
1.0E 03
1.5E 03 XX

N	L	H	B	T	G
0	0	0	0	0	0
0.0	0.0			0.0	0.0

ANALYTICAL
VALUES
65

MAXIMUM = 1.50000E 03

MINIMUM = 1.00000E 01

GEOMETRIC MEAN = 1.55378E 02

GEOMETRIC DEVIATION = 2.49469E 00

FREQUENCY TABLE FOR COLUMN 27 (W PPM)

LIMITS
LOWER - UPPER

FREQ
CUM

FREQ
CUM

PERCENT
FREQ

PERCENT
FREQ CUM

N
65

L
0
0.0

H
0

B
0

T
0
0.0

G
0
0.0

ANALYTICAL
VALUES
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		FREQ	FREQ CUM	PERCENT	
LOWER	UPPER			FREQ	FREQ CUM
8.3E 00	1.2E 01	12	12	18.46	18.46
1.2E 01	1.8E 01	12	24	18.46	36.92
1.8E 01	2.6E 01	20	44	30.77	67.69
2.6E 01	3.8E 01	13	57	20.00	87.69
3.8E 01	5.6E 01	2	59	3.08	90.77

HISTOGRAM FOR COLUMN 28 (Y PPM)

1.0E 01 XXXXXXXXXXXXXXXXXXXX

1.5E 01 XXXXXXXXXXXXXXXXXXXX

2.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

3.0E 01 XXXXXXXXXXXXXXXXXXXXXXXX

5.0E 01 XXX

N	L	H	B	T	G
1	5	0	0	0	0
1.54	7.69			0.0	0.0

ANALYTICAL
VALUES
59

MAXIMUM = 5.00000E 01

MINIMUM = 1.00000E 01

GEOMETRIC MEAN = 1.84788E 01

GEOMETRIC DEVIATION = 1.52125E 00

FREQUENCY TABLE FOR COLUMN 29 (ZN PPM)

LIMITS		FREQ	FREQ	PERCENT	PERCENT
LOWER	UPPER		CUM	FREQ	FREQ CUM
1.8E 02	2.6E 02	2	2	3.08	3.08

HISTOGRAM FOR COLUMN 29 (ZN PPM)

2.0E 02 XXX

N	L	H	B	T	G	ANALYTICAL VALUES
34	28	0	0	0	1	2
52.31	43.08			0.0	1.54	

MAXIMUM = 2.00000E 02

MINIMUM = 2.00000E 02

GEOMETRIC MEAN = 2.00000E 02

GEOMETRIC DEVIATION = 1.00000E 00

FREQUENCY TABLE FOR COLUMN 30 (ZR PPM)

LIMITS		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
LOWER	UPPER				
8.3E 00 -	1.2E 01	0	0	0.0	0.0
1.2E 01 -	1.8E 01	1	1	1.54	1.54
1.8E 01 -	2.6E 01	3	4	4.62	6.15
2.6E 01 -	3.8E 01	5	9	7.69	13.85
3.8E 01 -	5.6E 01	7	16	10.77	24.62
5.6E 01 -	8.3E 01	29	45	44.62	69.23
8.3E 01 -	1.2E 02	9	54	13.85	83.08
1.2E 02 -	1.8E 02	3	57	4.62	87.69
1.8E 02 -	2.6E 02	1	58	1.54	89.23
2.6E 02 -	3.8E 02	2	60	3.08	92.31
3.8E 02 -	5.6E 02	1	61	1.54	93.85

HISTOGRAM FOR COLUMN 30 (ZR PPM)

1.5E 01 XX
 2.0E 01 XXXXX
 3.0E 01 XXXXXXXX
 5.0E 01 XXXXXXXXXXXX
 7.0E 01 XX
 1.0E 02 XXXXXXXXXXXXXXXX
 1.5E 02 XXXXX
 2.0E 02 XX
 3.0E 02 XXX
 5.0E 02 XX

N	L	H	B	T	G	ANALYTICAL VALUES
1	3	0	0	0	0	61
1.54	4.62			0.0	0.0	

MAXIMUM = 5.00000E 02

MINIMUM = 1.50000E 01

GEOMETRIC MEAN = 6.94646E 01

GEOMETRIC DEVIATION = 1.87114E 00

FREQUENCY TABLE FOR COLUMN 31 (AU PPM)

LIMITS		FREQ	FREQ	PERCENT	PERCENT
LOWER	UPPER		CUM	FREQ	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	1.54	1.54
8.3E-02	1.2E-01	2	3	3.08	4.62

HISTOGRAM FOR COLUMN 31 (AU PPM)

7.0E-02 XX

1.0E-01 XXX

N	L	H	B	T	G	ANALYTICAL
0	62	0	0	0	0	VALUES
0.0	95.38			0.0	0.0	3

MAXIMUM = 1.00000E-01

MINIMUM = 6.00000E-02

GEOMETRIC MEAN = 8.43435E-02

GEOMETRIC DEVIATION = 1.34302E 00

A470 STATISTICAL SUMMARY

DATE 4/27/70

ELEMENT	N	L	H	B	T	G	ANALYTICAL VALUES
FE PCT	0	0	0	0	0	3	62
MG PCT	0	0	0	0	0	0	65
CA PCT	0	0	0	0	0	0	65
TI PCT	0	0	0	0	0	3	62
MN PPM	0	0	0	0	0	1	64
AG PPM	41	15	0	0	0	0	9
AS PPM	63	0	0	0	0	0	2
AU PPM	65	0	0	0	0	0	0
B PPM	12	21	0	0	0	0	32
BA PPM	0	6	0	0	0	0	59
BE PPM	26	26	0	0	0	0	13
BI PPM	64	0	0	0	0	0	1
CD PPM	64	0	0	0	0	0	1
CO PPM	7	3	0	0	0	0	55
CR PPM	8	12	0	0	0	0	45
CU PPM	1	6	0	0	0	0	58
LA PPM	32	16	0	0	0	0	17
MO PPM	26	25	0	0	0	0	14
NB PPM	0	21	0	0	0	0	44
NI PPM	2	4	0	0	0	0	59
PB PPM	30	17	0	0	0	0	18
SB PPM	64	0	0	0	0	0	1
SC PPM	4	0	0	0	0	0	61
SN PPM	65	0	0	0	0	0	0
SR PPM	3	4	0	0	0	0	58
V PPM	0	0	0	0	0	0	65
W PPM	65	0	0	0	0	0	0
Y PPM	1	5	0	0	0	0	59
ZN PPM	34	28	0	0	0	1	2
ZR PPM	1	3	0	0	0	0	61
AU PPM	0	62	0	0	0	0	3

ELEMENT	GEOMETRIC MEAN	GEOMETRIC DEVIATION	REMARKS
FE PCT	*****	*****	3 GREATER THAN VALUES. NO COMPUTATIONS.
MG PCT	1.929365	2.75	65 SAMPLES AND 65 ANALYTICAL VALUES.
CA PCT	3.083894	3.52	65 SAMPLES AND 65 ANALYTICAL VALUES.
TI PCT	*****	*****	3 GREATER THAN VALUES. NO COMPUTATIONS.
MN PPM	*****	*****	1 GREATER THAN VALUES. NO COMPUTATIONS.
AG PPM	*****	*****	56 NOT DETECTED, LESS THAN, OR TRACE VALUES.
AS PPM	*****	*****	63 NOT DETECTED, LESS THAN, OR TRACE VALUES.
AU PPM	*****	*****	65 NOT DETECTED, LESS THAN, OR TRACE VALUES.
B PPM	7.500952	4.73	33 NOT DETECTED, LESS THAN, OR TRACE VALUES.
BA PPM	345.961182	4.05	6 NOT DETECTED, LESS THAN, OR TRACE VALUES.
BE PPM	0.440675	2.12	52 NOT DETECTED, LESS THAN, OR TRACE VALUES.
BI PPM	*****	*****	64 NOT DETECTED, LESS THAN, OR TRACE VALUES.
CD PPM	*****	*****	64 NOT DETECTED, LESS THAN, OR TRACE VALUES.
CO PPM	17.704376	3.53	10 NOT DETECTED, LESS THAN, OR TRACE VALUES.
CR PPM	12.143195	6.59	20 NOT DETECTED, LESS THAN, OR TRACE VALUES.
CU PPM	48.433914	6.37	7 NOT DETECTED, LESS THAN, OR TRACE VALUES.
LA PPM	*****	*****	48 NOT DETECTED, LESS THAN, OR TRACE VALUES.
MO PPM	*****	*****	51 NOT DETECTED, LESS THAN, OR TRACE VALUES.
NB PPM	9.816151	1.59	21 NOT DETECTED, LESS THAN, OR TRACE VALUES.
NI PPM	19.988663	3.13	6 NOT DETECTED, LESS THAN, OR TRACE VALUES.
PB PPM	*****	*****	47 NOT DETECTED, LESS THAN, OR TRACE VALUES.

9 REPORTED VALUES. NO COMPUTATIONS.
 0 REPORTED VALUES. NO COMPUTATIONS.
 0 REPORTED VALUES. NO COMPUTATIONS.
 32 REPORTED VALUES.
 59 REPORTED VALUES.
 13 REPORTED VALUES.
 1 REPORTED VALUES. NO COMPUTATIONS.
 1 REPORTED VALUES. NO COMPUTATIONS.
 55 REPORTED VALUES.
 45 REPORTED VALUES.
 58 REPORTED VALUES.
 17 REPORTED VALUES. NO COMPUTATIONS.
 14 REPORTED VALUES. NO COMPUTATIONS.
 44 REPORTED VALUES.
 59 REPORTED VALUES.
 18 REPORTED VALUES. NO COMPUTATIONS.

SB PPM	*****	*****
SC PPM	16.136276	2.16
SN PPM	*****	*****
SR PPM	357.965332	2.56
V PPM	155.377609	2.49
W PPM	*****	*****
Y PPM	16.797806	1.65
ZN PPM	*****	0
ZR PPM	59.879135	2.32
AU PPM	*****	*****

64	NOT DETECTED, LESS THAN, OR TRACE VALUES.
4	NOT DETECTED, LESS THAN, OR TRACE VALUES.
65	NOT DETECTED, LESS THAN, OR TRACE VALUES.
7	NOT DETECTED, LESS THAN, OR TRACE VALUES.
65	SAMPLES AND 65 ANALYTICAL VALUES.
65	NOT DETECTED, LESS THAN, OR TRACE VALUES.
6	NOT DETECTED, LESS THAN, OR TRACE VALUES.
1	GREATER THAN VALUES. NO COMPUTATIONS.
4	NOT DETECTED, LESS THAN, OR TRACE VALUES.
62	NOT DETECTED, LESS THAN, OR TRACE VALUES.

1	REPORTED VALUES. NO COMPUTATIONS.
61	REPORTED VALUES.
0	REPORTED VALUES. NO COMPUTATIONS.
58	REPORTED VALUES.
0	REPORTED VALUES. NO COMPUTATIONS.
59	REPORTED VALUES.
61	REPORTED VALUES.
3	REPORTED VALUES. NO COMPUTATIONS.

TABLE 3 CRAIG B-4 STREAM SEDIMENTS

PPM NUMBER	SAMPLE	FE PCT	MG PCT	CA PCT	TI PCT	MN PPM	AG PPM	AS PPM	AU PPM	B PPM	BA PPM
49	AKD083	7.0000	1.5000	0.7000	1.0000	300.0000	0.0 L	0.0 N	0.0 N	50.0000	700.0000
49	ACL401	10.0000	2.0000	1.5000	1.0000	1500.0000	0.0 N	0.0 N	0.0 N	20.0000	1500.0000
50	AKD084	3.0000	1.0000	1.5000	0.7000	700.0000	0.0 N	0.0 N	0.0 N	30.0000	300.0000
51	AKD085	10.0000	1.0000	0.7000	1.0000	700.0000	0.0 N	0.0 N	0.0 N	50.0000	700.0000
51	ACL425	15.0000	1.5000	2.0000	1.0000	2000.0000	0.0 N	0.0 N	0.0 N	15.0000	500.0000
52	AKD086	10.0000	1.5000	0.7000	1.0000	1000.0000	0.0 L	0.0 N	0.0 N	20.0000	700.0000
52	ACL403	15.0000	3.0000	1.5000	1.0000G	1500.0000	0.0 L	0.0 N	0.0 N	20.0000	1500.0000
53	AKD087	10.0000	1.5000	0.5000	1.0000	700.0000	0.0 L	0.0 N	0.0 N	30.0000	700.0000
53	ACL402	15.0000	1.5000	0.7000	1.0000	1000.0000	0.0 L	0.0 N	0.0 N	30.0000	3000.0000
54	AKD088	7.0000	1.0000	0.7000	0.7000	700.0000	0.7000	0.0 N	0.0 N	30.0000	700.0000
54	ACL424	20.0000	2.0000	1.5000	1.0000G	3000.0000	0.7000	0.0 N	0.0 N	30.0000	1500.0000
55	AKD089	10.0000	1.0000	0.7000	0.7000	3000.0000	0.0 L	0.0 N	0.0 N	30.0000	700.0000
55	ACL404	15.0000	0.7000	0.7000	1.0000G	1500.0000	0.0 L	0.0 N	0.0 N	30.0000	1000.0000
56	AKD090	10.0000	1.5000	0.7000	1.0000	1500.0000	0.0 N	0.0 N	0.0 N	20.0000	500.0000
56	ACL423	15.0000	3.0000	1.5000	1.0000G	2000.0000	0.0 N	0.0 N	0.0 N	15.0000	1000.0000
57	AKD091	10.0000	1.5000	0.7000	1.0000	1000.0000	0.0 L	0.0 N	0.0 N	30.0000	700.0000
57	ACL405	15.0000	3.0000	1.5000	1.0000G	2000.0000	0.0 L	0.0 N	0.0 N	30.0000	1000.0000
58	AKD092	10.0000	1.5000	0.5000	0.7000	1500.0000	0.0 L	0.0 N	0.0 N	30.0000	700.0000
58	ACL422	15.0000	2.0000	1.0000	1.0000	2000.0000	0.0 N	0.0 N	0.0 N	70.0000	1500.0000
59	ACL421	10.0000	1.5000	0.7000	1.0000	1500.0000	0.0 L	0.0 N	0.0 N	50.0000	1500.0000
59	AKD093	7.0000	2.0000	0.7000	1.0000	1000.0000	0.0 N	0.0 N	0.0 N	30.0000	700.0000
60	ACL426	20.0000	5.0000	1.5000	1.0000	3000.0000	0.0 L	0.0 L	0.0 N	30.0000	700.0000
61	ACL427	15.0000	3.0000	0.7000	1.0000	2000.0000	0.0 L	0.0 N	0.0 N	30.0000	700.0000
62	ACL420	10.0000	3.0000	1.0000	1.0000	2000.0000	0.0 N	0.0 N	0.0 N	15.0000	300.0000
63	ACL406	15.0000	3.0000	1.5000	0.7000	1500.0000	0.0 N	0.0 N	0.0 N	30.0000	300.0000
64	ACL428	15.0000	1.5000	0.7000	0.7000	5000.0000	0.0 L	0.0 N	0.0 N	30.0000	700.0000
65	ACL429	3.0000	1.0000	0.5000	0.7000	150.0000	0.0 L	0.0 N	0.0 N	50.0000	700.0000
66	ACL430	10.0000	1.5000	0.7000	0.7000	1500.0000	0.0 N	0.0 N	0.0 N	15.0000	300.0000
67	ACL419	7.0000	3.0000	1.5000	0.7000	1500.0000	0.0 N	0.0 N	0.0 N	15.0000	300.0000
68	ACL407	5.0000	3.0000	1.0000	0.3000	1500.0000	0.0 N	0.0 N	0.0 N	15.0000	500.0000
69	ACL431	15.0000	3.0000	1.5000	1.0000	1500.0000	0.0 N	0.0 N	0.0 N	20.0000	300.0000
70	ACL432	20.0000	3.0000	0.7000	0.7000	3000.0000	0.0 N	0.0 N	0.0 N	30.0000	300.0000
71	ACL418	3.0000	1.5000	1.5000	1.0000	500.0000	0.0 N	0.0 N	0.0 N	15.0000	300.0000
72	ACL433	15.0000	1.5000	0.7000	0.7000	5000.0000	0.0 N	0.0 N	0.0 N	50.0000	200.0000
73	ACL434	15.0000	2.0000	1.0000	0.7000	2000.0000	0.0 N	0.0 N	0.0 N	20.0000	300.0000
74	ACL435	10.0000	2.0000	1.0000	1.0000	1000.0000	0.0 N	0.0 N	0.0 N	10.0000	150.0000
75	ACL436	15.0000	3.0000	1.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0 N	15.0000	200.0000
76	ACL829	15.0000	1.5000	1.5000	0.7000	1500.0000	0.0 N	0.0 N	0.0 N	30.0000	1500.0000
77	ACL828	20.0000	3.0000	5.0000	0.7000	1500.0000	0.0 L	0.0 N	0.0 N	10.0000	700.0000
78	ACL827	20.0000	5.0000	5.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0 N	0.0 L	500.0000
79	ACL826	20.0000	5.0000	7.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0 N	10.0000	700.0000
80	ACL825	15.0000	3.0000	3.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0 N	15.0000	700.0000
80	ACL900	20.0000G	3.0000	3.0000	1.0000	2000.0000	0.0 N	0.0 N	0.0 N	0.0 L	700.0000
81	ACL899	20.0000	3.0000	2.0000	1.0000	1500.0000	0.0 N	300.0000	0.0 N	10.0000	700.0000
82	ACL898	15.0000	3.0000	2.0000	0.7000	1500.0000	0.0 L	0.0 N	0.0 N	15.0000	700.0000
83	ACL897	15.0000	3.0000	3.0000	1.0000	1500.0000	0.0 L	0.0 N	0.0 N	15.0000	500.0000
84	ACL896	15.0000	1.5000	5.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0 N	10.0000	300.0000
85	AMG001	15.0000	3.0000	7.0000	1.0000G	1500.0000	0.0 N	0.0 N	0.0 N	0.0 L	300.0000
86	AMG002	15.0000	1.5000	3.0000	0.7000	2000.0000	0.0 N	0.0 N	0.0 N	0.0 L	300.0000
87	AMG004	15.0000	3.0000	2.0000	1.0000	1500.0000	0.0 L	0.0 N	0.0 N	0.0 L	500.0000

CRAIG B-4 STREAM SEDIMENTS

	SAMPLE	BE PPM	BI PPM	CO PPM	CO PPM	CR PPM	CU PPM	LA PPM	MO PPM	N8 PPM	NI PPM
49	AKD083	1.0000	0.0 N	0.0 N	20.0000	150.0000	30.0000	0.0 L	7.0000	20.0000	100.0000
49	ACL401	0.0 N	0.0 N	0.0 N	15.0000	150.0000	30.0000	0.0 L	10.0000	15.0000	50.0000
50	AKD084	1.0000	0.0 N	0.0 N	15.0000	70.0000	0.0 L	0.0 L	0.0 L	15.0000	30.0000
51	AKD085	1.0000	0.0 N	0.0 N	20.0000	150.0000	70.0000	20.0000	30.0000	20.0000	150.0000
51	ACL425	1.0000	0.0 N	0.0 N	15.0000	100.0000	15.0000	0.0 L	0.0 N	20.0000	30.0000
52	AKD086	0.0 L	0.0 N	0.0 N	30.0000	150.0000	50.0000	0.0 L	10.0000	20.0000	150.0000
52	ACL403	0.0 L	0.0 N	0.0 N	30.0000	150.0000	70.0000	0.0 L	15.0000	20.0000	150.0000
53	AKD087	0.0 L	0.0 N	0.0 N	30.0000	150.0000	50.0000	0.0 L	20.0000	20.0000	150.0000
53	ACL402	0.0 L	0.0 N	0.0 N	20.0000	150.0000	70.0000	0.0 L	30.0000	15.0000	150.0000
54	AKD088	0.0 L	0.0 N	0.0 N	20.0000	70.0000	50.0000	0.0 L	15.0000	20.0000	150.0000
54	ACL424	1.0000	0.0 N	0.0 N	70.0000	150.0000	100.0000	30.0000	20.0000	30.0000	150.0000
55	AKD089	1.0000	0.0 N	0.0 N	30.0000	70.0000	50.0000	20.0000	10.0000	20.0000	150.0000
55	ACL404	1.5000	0.0 N	0.0 N	30.0000	70.0000	70.0000	0.0 L	15.0000	30.0000	100.0000
56	AKD090	1.5000	0.0 N	0.0 N	30.0000	70.0000	30.0000	0.0 L	0.0 L	20.0000	70.0000
56	ACL423	1.5000	0.0 N	0.0 N	70.0000	150.0000	50.0000	20.0000	0.0 L	20.0000	70.0000
57	AKD091	0.0 L	0.0 N	0.0 N	50.0000	150.0000	50.0000	20.0000	0.0 L	15.0000	150.0000
57	ACL405	1.5000	0.0 N	0.0 N	50.0000	150.0000	70.0000	0.0 L	7.0000	30.0000	100.0000
58	AKD092	1.0000	0.0 N	0.0 N	20.0000	100.0000	50.0000	0.0 L	0.0 L	20.0000	70.0000
58	ACL422	3.0000	0.0 N	0.0 N	30.0000	150.0000	50.0000	50.0000	7.0000	30.0000	100.0000
59	ACL421	2.0000	0.0 N	0.0 N	20.0000	150.0000	30.0000	30.0000	7.0000	30.0000	70.0000
59	AKD093	0.0 L	0.0 N	0.0 N	20.0000	150.0000	30.0000	0.0 L	5.0000	0.0 L	70.0000
60	ACL426	1.0000	0.0 N	0.0 N	50.0000	150.0000	150.0000	20.0000	0.0 N	30.0000	100.0000
61	ACL427	0.0 L	0.0 N	0.0 N	30.0000	150.0000	150.0000	0.0 L	0.0 N	15.0000	50.0000
62	ACL420	0.0 L	0.0 N	0.0 N	30.0000	150.0000	30.0000	0.0 L	0.0 N	15.0000	50.0000
63	ACL406	0.0 L	0.0 N	0.0 N	30.0000	150.0000	70.0000	0.0 N	0.0 N	20.0000	50.0000
64	ACL428	0.0 L	0.0 N	0.0 N	70.0000	150.0000	50.0000	0.0 N	15.0000	15.0000	30.0000
65	ACL429	0.0 L	0.0 N	0.0 N	5.0000	100.0000	30.0000	0.0 N	7.0000	15.0000	30.0000
66	ACL430	0.0 N	0.0 N	0.0 N	10.0000	70.0000	20.0000	0.0 N	0.0 N	15.0000	30.0000
67	ACL419	0.0 L	0.0 N	0.0 N	15.0000	150.0000	30.0000	0.0 L	0.0 N	10.0000	30.0000
68	ACL407	0.0 L	0.0 N	0.0 N	10.0000	70.0000	30.0000	0.0 N	0.0 N	10.0000	20.0000
69	ACL431	0.0 N	0.0 N	0.0 N	15.0000	150.0000	15.0000	0.0 N	0.0 N	15.0000	30.0000
70	ACL432	0.0 N	0.0 N	0.0 N	50.0000	150.0000	30.0000	0.0 N	5.0000	15.0000	50.0000
71	ACL418	0.0 L	0.0 N	0.0 N	5.0000	150.0000	10.0000	0.0 N	0.0 N	10.0000	15.0000
72	ACL433	0.0 L	0.0 N	0.0 N	50.0000	70.0000	50.0000	0.0 N	0.0 N	15.0000	30.0000
73	ACL434	0.0 L	0.0 N	0.0 N	30.0000	70.0000	50.0000	0.0 N	0.0 N	10.0000	30.0000
74	ACL435	0.0 N	0.0 N	0.0 N	15.0000	150.0000	15.0000	0.0 N	0.0 N	15.0000	30.0000
75	ACL436	0.0 N	0.0 N	0.0 N	20.0000	100.0000	70.0000	0.0 N	0.0 N	15.0000	50.0000
76	ACL829	1.5000	0.0 N	0.0 N	20.0000	70.0000	50.0000	0.0 L	15.0000	15.0000	150.0000
77	ACL828	0.0 L	0.0 N	0.0 N	30.0000	70.0000	70.0000	0.0 N	7.0000	10.0000	100.0000
78	ACL827	0.0 L	0.0 N	0.0 N	50.0000	70.0000	70.0000	0.0 L	0.0 L	15.0000	50.0000
79	ACL826	0.0 L	0.0 N	0.0 N	30.0000	150.0000	50.0000	0.0 L	0.0 L	0.0 L	70.0000
80	ACL825	0.0 L	0.0 N	0.0 N	30.0000	70.0000	70.0000	0.0 L	0.0 L	10.0000	50.0000
80	ACL900	0.0 N	0.0 N	0.0 N	70.0000	150.0000	70.0000	20.0000	0.0 L	15.0000	50.0000
81	ACL899	0.0 N	0.0 N	0.0 N	70.0000	70.0000	70.0000	20.0000	0.0 L	10.0000	50.0000
82	ACL898	0.0 N	0.0 N	0.0 N	50.0000	70.0000	50.0000	20.0000	0.0 L	15.0000	30.0000
83	ACL897	0.0 N	0.0 N	0.0 N	70.0000	70.0000	70.0000	20.0000	0.0 L	15.0000	30.0000
84	ACL896	0.0 L	0.0 N	0.0 N	50.0000	30.0000	50.0000	0.0 L	0.0 L	15.0000	30.0000
85	AMG001	0.0 L	0.0 N	0.0 N	50.0000	30.0000	70.0000	0.0 L	0.0 L	0.0 L	30.0000
86	AMG002	1.0000	0.0 N	0.0 N	30.0000	20.0000	100.0000	0.0 L	5.0000	10.0000	15.0000
87	AMG004	0.0 L	0.0 N	0.0 N	70.0000	30.0000	70.0000	30.0000	15.0000	10.0000	30.0000

CRAIG B-4 STREAM SEDIMENTS

	SAMPLE	PB PPM	SB PPM	SC PPM	SN PPM	SR PPM	V PPM	W PPM	Y PPM	ZN PPM	ZR PPM
49	AKD083	15.0000	0.0 N	15.0000	0.0 N	150.0000	300.0000	0.0 N	15.0000	300.0000	100.0000
49	ACL401	0.0 N	0.0 N	20.0000	0.0 N	300.0000	300.0000	0.0 N	15.0000	300.0000	70.0000
50	AKD084	0.0 L	0.0 N	15.0000	0.0 N	200.0000	200.0000	0.0 N	15.0000	0.0 L	100.0000
51	AKD085	0.0 N	0.0 N	15.0000	0.0 N	150.0000	500.0000	0.0 N	20.0000	700.0000	150.0000
51	ACL425	0.0 L	0.0 N	15.0000	0.0 N	300.0000	300.0000	0.0 N	15.0000	0.0 L	70.0000
52	AKD086	10.0000	0.0 N	15.0000	0.0 N	150.0000	500.0000	0.0 N	20.0000	500.0000	100.0000
52	ACL403	10.0000	0.0 N	20.0000	0.0 N	300.0000	700.0000	0.0 N	15.0000	700.0000	70.0000
53	AKD087	15.0000	0.0 N	15.0000	0.0 N	100.0000	700.0000	0.0 N	20.0000	700.0000	100.0000
53	ACL402	0.0 N	0.0 N	15.0000	0.0 N	200.0000	700.0000	0.0 N	15.0000	700.0000	100.0000
54	AKD088	0.0 L	0.0 N	15.0000	0.0 N	100.0000	1000.0000	0.0 N	15.0000	1000.0000	100.0000
54	ACL424	30.0000	0.0 N	20.0000	0.0 N	300.0000	1000.0000	0.0 N	50.0000	700.0000	200.0000
55	AKD089	15.0000	0.0 N	15.0000	0.0 N	150.0000	700.0000	0.0 N	30.0000	1000.0000	100.0000
55	ACL404	10.0000	0.0 N	15.0000	0.0 N	200.0000	700.0000	0.0 N	20.0000	700.0000	100.0000
56	AKD090	0.0 L	0.0 N	20.0000	0.0 N	150.0000	200.0000	0.0 N	20.0000	0.0 L	100.0000
56	ACL423	0.0 L	0.0 N	30.0000	0.0 N	300.0000	200.0000	0.0 N	30.0000	500.0000	70.0000
57	AKD091	15.0000	0.0 N	20.0000	0.0 N	150.0000	300.0000	0.0 N	20.0000	300.0000	70.0000
57	ACL405	20.0000	0.0 N	30.0000	0.0 N	200.0000	500.0000	0.0 N	20.0000	700.0000	100.0000
58	AKD092	30.0000	0.0 N	15.0000	0.0 N	150.0000	300.0000	0.0 N	20.0000	300.0000	200.0000
58	ACL422	20.0000	0.0 N	20.0000	0.0 N	300.0000	300.0000	0.0 N	30.0000	300.0000	150.0000
59	ACL421	20.0000	0.0 N	20.0000	0.0 N	300.0000	300.0000	0.0 N	20.0000	700.0000	150.0000
59	AKD093	15.0000	0.0 N	15.0000	0.0 N	150.0000	300.0000	0.0 N	15.0000	300.0000	100.0000
60	ACL426	30.0000	0.0 N	30.0000	0.0 N	300.0000	300.0000	0.0 N	20.0000	0.0 L	150.0000
61	ACL427	30.0000	0.0 N	30.0000	0.0 N	200.0000	300.0000	0.0 N	20.0000	0.0 L	100.0000
62	ACL420	20.0000	0.0 N	30.0000	0.0 N	200.0000	200.0000	0.0 N	20.0000	0.0 L	70.0000
63	ACL406	15.0000	0.0 N	30.0000	0.0 N	200.0000	200.0000	0.0 N	15.0000	0.0 L	70.0000
64	ACL428	30.0000	0.0 N	15.0000	0.0 N	150.0000	700.0000	0.0 N	15.0000	500.0000	100.0000
65	ACL429	10.0000	0.0 N	15.0000	0.0 N	0.0 L	500.0000	0.0 N	10.0000	0.0 L	100.0000
66	ACL430	15.0000	0.0 N	15.0000	0.0 N	100.0000	300.0000	0.0 N	10.0000	0.0 N	70.0000
67	ACL419	20.0000	0.0 N	30.0000	0.0 N	300.0000	200.0000	0.0 N	15.0000	0.0 L	70.0000
68	ACL407	15.0000	0.0 N	20.0000	0.0 N	200.0000	150.0000	0.0 N	15.0000	0.0 L	70.0000
69	ACL431	10.0000	0.0 N	20.0000	0.0 N	300.0000	300.0000	0.0 N	15.0000	0.0 L	100.0000
70	ACL432	0.0 L	0.0 N	30.0000	0.0 N	150.0000	300.0000	0.0 N	15.0000	0.0 N	70.0000
71	ACL418	15.0000	0.0 N	20.0000	0.0 N	300.0000	200.0000	0.0 N	15.0000	0.0 L	70.0000
72	ACL433	15.0000	0.0 N	20.0000	0.0 N	0.0 L	300.0000	0.0 N	20.0000	0.0 L	70.0000
73	ACL434	20.0000	0.0 N	20.0000	0.0 N	150.0000	200.0000	0.0 N	30.0000	0.0 L	150.0000
74	ACL435	0.0 L	0.0 N	20.0000	0.0 N	150.0000	200.0000	0.0 N	15.0000	0.0 L	100.0000
75	ACL436	10.0000	0.0 N	20.0000	0.0 N	100.0000	300.0000	0.0 N	15.0000	0.0 L	70.0000
76	ACL829	15.0000	0.0 N	15.0000	0.0 N	300.0000	300.0000	0.0 N	20.0000	500.0000	100.0000
77	ACL828	15.0000	0.0 N	20.0000	0.0 N	300.0000	300.0000	0.0 N	15.0000	500.0000	70.0000
78	ACL827	15.0000	0.0 N	30.0000	0.0 N	500.0000	300.0000	0.0 N	15.0000	0.0 L	70.0000
79	ACL826	15.0000	0.0 N	30.0000	0.0 N	300.0000	300.0000	0.0 N	20.0000	0.0 L	70.0000
80	ACL825	15.0000	0.0 N	30.0000	0.0 N	300.0000	300.0000	0.0 N	15.0000	0.0 L	100.0000
80	ACL900	0.0 L	0.0 N	30.0000	0.0 N	300.0000	500.0000	0.0 N	20.0000	0.0 L	70.0000
81	ACL899	10.0000	0.0 N	30.0000	0.0 N	500.0000	500.0000	0.0 N	30.0000	0.0 L	70.0000
82	ACL898	10.0000	0.0 N	30.0000	0.0 N	500.0000	300.0000	0.0 N	20.0000	0.0 L	70.0000
83	ACL897	10.0000	0.0 N	30.0000	0.0 N	700.0000	300.0000	0.0 N	30.0000	0.0 L	100.0000
84	ACL896	15.0000	0.0 N	15.0000	0.0 N	300.0000	300.0000	0.0 N	15.0000	0.0 N	100.0000
85	AMG001	0.0 L	0.0 N	30.0000	0.0 N	500.0000	150.0000	0.0 N	30.0000	0.0 N	70.0000
86	AMG002	0.0 L	0.0 N	20.0000	0.0 N	300.0000	200.0000	0.0 N	20.0000	0.0 N	100.0000
87	AMG004	0.0 L	0.0 N	30.0000	0.0 N	150.0000	300.0000	0.0 N	30.0000	0.0 L	100.0000

CRAIG B-4 STREAM SEDIMENTS

	SAMPLE	AU PPM
49	AKD083	0.0200L
49	ACL401	0.0200L
50	AKD084	0.0200L
51	AKD085	0.0400L
51	ACL425	0.0200L
52	AKD086	0.0200L
52	ACL403	0.0200L
53	AKD087	0.0200L
53	ACL402	0.0200L
54	AKD088	0.0200L
54	ACL424	0.0200L
55	AKD089	0.0200L
55	ACL404	0.0200L
56	AKD090	0.0200L
56	ACL423	0.0200L
57	AKD091	0.0200L
57	ACL405	0.0200L
58	AKD092	0.0200L
58	ACL422	0.0200L
59	ACL421	0.0200L
59	AKD093	0.0200L
60	ACL426	0.0200L
61	ACL427	0.0200L
62	ACL420	0.0200L
63	ACL406	0.0200L
64	ACL428	0.0400L
65	ACL429	0.0200L
66	ACL430	0.0200L
67	ACL419	0.0200L
68	ACL407	0.0200L
69	ACL431	0.0200L
70	ACL432	0.0400L
71	ACL418	0.4000
72	ACL433	0.1000L
73	ACL434	0.0200L
74	ACL435	0.0200L
75	ACL436	0.0200L
76	ACL829	0.0200L
77	ACL828	0.0200L
78	ACL827	0.0200L
79	ACL826	0.0200L
80	ACL825	0.0200L
80	ACL900	0.0200L
81	ACL899	0.0200L
82	ACL898	0.0200L
83	ACL897	0.0200L
84	ACL896	0.0200L
85	AMG001	0.0200L
86	AMG002	0.0200L
87	AMG004	0.0200L

CRAIG B-4 STREAM SEDIMENTS

19	SAMPLE	FE PCT	MG PCT	CA PCT	TI PCT	MN PPM	AG PPM	AS PPM	AU PPM	B PPM	BA PPM
88	ACL824	15.0000	3.0000	3.0000	0.7000	1500.0000	1.0000	0.0 N	0.0 N	0.0 L	500.0000
89	ACL823	15.0000	3.0000	5.0000	0.7000	1500.0000	1.0000	0.0 N	0.0 N	30.0000	1500.0000
90	AMG003	15.0000	3.0000	2.0000	0.7000	1000.0000	0.0 L	0.0 N	0.0 N	0.0 L	500.0000
91	ACL822	15.0000	3.0000	7.0000	0.7000	1500.0000	0.0 L	0.0 N	0.0 N	10.0000	500.0000
92	ACL821	15.0000	3.0000	2.0000	0.3000	1500.0000	1.5000	0.0 N	0.0 N	30.0000	1500.0000
93	ACL411	15.0000	3.0000	1.0000	1.0000	1500.0000	0.0 N	0.0 N	0.0 N	15.0000	700.0000
94	ACL410	15.0000	3.0000	1.0000	1.0000	1500.0000	0.0 N	0.0 N	0.0 N	15.0000	300.0000
95	AMG006	7.0000	2.0000	0.7000	0.7000	1500.0000	0.0 N	0.0 N	0.0 N	20.0000	300.0000
96	AMG005	15.0000	2.0000	0.7000	0.7000	1500.0000	0.0 N	0.0 N	0.0 N	15.0000	700.0000
97	ACL415	15.0000	3.0000	1.5000	1.0000	2000.0000	0.0 N	0.0 N	0.0 N	20.0000	500.0000
98	ACL414	15.0000	1.5000	1.0000	0.5000	5000.0000G	0.0 N	0.0 N	0.0 N	15.0000	700.0000
99	ACL409	15.0000	3.0000	1.5000	1.0000	2000.0000	0.0 N	0.0 N	0.0 N	100.0000	500.0000
100	ACL413	15.0000	3.0000	1.5000	0.7000	2000.0000	0.0 N	0.0 N	0.0 N	30.0000	300.0000
101	ACL412	10.0000	3.0000	1.5000	0.7000	2000.0000	0.0 N	0.0 N	0.0 N	30.0000	300.0000
102	ACL408	10.0000	3.0000	1.0000	1.0000	1500.0000	0.0 N	0.0 N	0.0 N	10.0000	300.0000
103	ACL416	15.0000	3.0000	2.0000	1.0000	1500.0000	0.0 N	0.0 N	0.0 N	70.0000	500.0000
104	ACL417	15.0000	3.0000	0.7000	0.7000	1500.0000	0.0 N	0.0 N	0.0 N	20.0000	300.0000
105	ACL805	7.0000	1.0000	1.5000	0.7000	3000.0000	0.0 N	0.0 N	0.0 N	50.0000	300.0000
106	ACL806	7.0000	1.5000	1.5000	0.7000	1500.0000	0.0 N	0.0 N	0.0 N	20.0000	300.0000
107	ACL807	5.0000	3.0000	1.5000	0.5000	1500.0000	0.0 N	0.0 N	0.0 N	20.0000	300.0000
108	ACL808	15.0000	3.0000	1.5000	0.7000	1500.0000	0.0 N	0.0 N	0.0 N	20.0000	300.0000
109	ACL809	15.0000	3.0000	1.5000	1.0000G	2000.0000	0.0 N	0.0 N	0.0 N	15.0000	300.0000
110	ACL810	10.0000	2.0000	2.0000	0.7000	3000.0000	0.0 N	0.0 N	0.0 N	15.0000	500.0000
111	ACL811	10.0000	3.0000	1.5000	0.7000	1000.0000	0.0 N	0.0 N	0.0 N	30.0000	1500.0000
112	ACL813	10.0000	3.0000	1.5000	0.7000	1500.0000	0.0 N	0.0 N	0.0 N	50.0000	1500.0000
113	ACL814	10.0000	3.0000	2.0000	0.5000	1500.0000	0.0 N	0.0 N	0.0 N	15.0000	700.0000
114	ACE851	7.0000	2.0000	0.5000	0.5000	700.0000	0.0 N	0.0 N	0.0 N	30.0000	2000.0000
115	ACE844	10.0000	3.0000	1.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0 N	20.0000	300.0000
116	ACE845	15.0000	3.0000	1.5000	1.0000	2000.0000	0.0 N	0.0 N	0.0 N	20.0000	500.0000
117	ACE852	15.0000	2.0000	1.0000	1.0000	1500.0000	0.0 N	0.0 N	0.0 N	20.0000	700.0000
118	ACE853	10.0000	1.5000	1.5000	1.0000	1500.0000	0.0 N	0.0 N	0.0 N	30.0000	300.0000
119	ACE854	15.0000	3.0000	2.0000	1.0000G	1500.0000	0.0 N	0.0 N	0.0 N	15.0000	500.0000
120	ACE855	10.0000	2.0000	1.0000	1.0000	1500.0000	0.0 N	0.0 N	0.0 N	15.0000	300.0000
121	ACE847	15.0000	3.0000	1.0000	7.0000	1500.0000	0.0 N	0.0 N	0.0 N	20.0000	300.0000
122	ACE846	15.0000	3.0000	0.7000	1.0000	1000.0000	0.0 N	0.0 N	0.0 N	15.0000	300.0000
123	ACL820	15.0000	3.0000	0.5000	0.5000	1500.0000	0.0 N	0.0 N	0.0 N	15.0000	300.0000
124	ACL819	15.0000	7.0000	7.0000	0.7000	2000.0000	0.0 N	0.0 N	0.0 N	10.0000	200.0000
125	ACE848	5.0000	1.5000	1.0000	1.0000	1000.0000	0.0 N	0.0 N	0.0 N	50.0000	300.0000
126	ACE856	10.0000	3.0000	1.5000	1.0000	1500.0000	0.0 N	0.0 N	0.0 N	15.0000	300.0000
127	ACL818	15.0000	3.0000	1.5000	1.0000	1500.0000	0.0 N	0.0 N	0.0 N	10.0000	300.0000
128	ACL816	10.0000	2.0000	1.5000	0.7000	1000.0000	0.0 N	0.0 N	0.0 N	50.0000	500.0000
129	ACE857	5.0000	3.0000	0.7000	0.3000	700.0000	0.0 N	0.0 N	0.0 N	0.0 N	200.0000
130	ACE858	10.0000	3.0000	0.7000	0.5000	1500.0000	0.0 N	0.0 N	0.0 N	0.0 N	150.0000
131	ACE850	15.0000	3.0000	0.7000	1.0000	1500.0000	0.0 N	0.0 N	0.0 N	30.0000	700.0000
132	ACE849	15.0000	5.0000	0.7000	1.0000	1500.0000	0.0 N	0.0 N	0.0 N	30.0000	700.0000
133	ACL815	15.0000	5.0000	1.5000	1.0000	3000.0000	0.0 N	0.0 N	0.0 N	50.0000	700.0000

CRAIG B-4 STREAM SEDIMENTS

	SAMPLE	BE PPM	BI PPM	CD PPM	CD PPM	CR PPM	CU PPM	LA PPM	MO PPM	NH PPM	NI PPM
88	ACL824	0.0 L	0.0 N	0.0 N	50.0000	30.0000	700.0000	30.0000	150.0000	10.0000	30.0000
89	ACL823	0.0 L	0.0 N	0.0 N	30.0000	150.0000	150.0000	0.0 L	0.0 L	10.0000	150.0000
90	AMG003	0.0 L	0.0 N	0.0 N	50.0000	20.0000	700.0000	20.0000	70.0000	10.0000	20.0000
91	ACL822	0.0 L	0.0 N	0.0 N	30.0000	70.0000	70.0000	0.0 L	5.0000	10.0000	70.0000
92	ACL821	2.0000	0.0 N	0.0 N	30.0000	100.0000	100.0000	0.0 L	15.0000	10.0000	200.0000
93	ACL411	0.0 L	0.0 N	0.0 N	50.0000	150.0000	70.0000	0.0 N	0.0 N	15.0000	50.0000
94	ACL410	0.0 L	0.0 N	0.0 N	30.0000	150.0000	70.0000	0.0 N	0.0 N	15.0000	30.0000
95	AMG006	0.0 L	0.0 N	0.0 N	30.0000	150.0000	10.0000	0.0 L	0.0 L	10.0000	50.0000
96	AMG005	0.0 L	0.0 N	0.0 N	70.0000	150.0000	50.0000	0.0 L	0.0 L	15.0000	100.0000
97	ACL415	0.0 N	0.0 N	0.0 N	30.0000	150.0000	50.0000	0.0 L	0.0 N	15.0000	50.0000
98	ACL414	1.5000	0.0 N	0.0 N	150.0000	100.0000	300.0000	0.0 L	200.0000	15.0000	150.0000
99	ACL409	0.0 L	0.0 N	0.0 N	30.0000	100.0000	70.0000	0.0 L	0.0 N	10.0000	30.0000
100	ACL413	0.0 L	0.0 N	0.0 N	30.0000	150.0000	70.0000	0.0 N	0.0 N	10.0000	30.0000
101	ACL412	0.0 L	0.0 N	0.0 N	30.0000	100.0000	30.0000	0.0 N	0.0 N	15.0000	30.0000
102	ACL408	0.0 L	0.0 N	0.0 N	30.0000	70.0000	50.0000	0.0 N	0.0 N	15.0000	30.0000
103	ACL416	0.0 L	0.0 N	0.0 N	50.0000	150.0000	50.0000	0.0 N	0.0 N	15.0000	50.0000
104	ACL417	0.0 L	0.0 N	0.0 N	20.0000	70.0000	30.0000	0.0 N	0.0 N	10.0000	30.0000
105	ACL805	0.0 L	0.0 N	0.0 N	30.0000	70.0000	50.0000	0.0 L	0.0 N	10.0000	30.0000
106	ACL806	0.0 L	0.0 N	0.0 N	30.0000	30.0000	70.0000	0.0 L	0.0 N	10.0000	30.0000
107	ACL807	0.0 L	0.0 N	0.0 N	20.0000	30.0000	30.0000	0.0 N	0.0 N	10.0000	30.0000
108	ACL808	0.0 L	0.0 N	0.0 N	30.0000	70.0000	70.0000	0.0 N	0.0 L	10.0000	50.0000
109	ACL809	0.0 L	0.0 N	0.0 N	30.0000	30.0000	50.0000	0.0 N	0.0 L	10.0000	30.0000
110	ACL810	0.0 L	0.0 N	0.0 N	30.0000	70.0000	30.0000	0.0 N	0.0 N	10.0000	50.0000
111	ACL811	0.0 L	0.0 N	0.0 N	30.0000	150.0000	50.0000	0.0 N	0.0 L	10.0000	70.0000
112	ACL813	1.0000	0.0 N	0.0 N	20.0000	70.0000	70.0000	0.0 N	7.0000	10.0000	70.0000
113	ACL814	0.0 N	0.0 N	0.0 N	20.0000	200.0000	70.0000	0.0 N	0.0 N	10.0000	70.0000
114	ACE851	0.0 N	0.0 N	0.0 N	15.0000	100.0000	30.0000	0.0 N	0.0 N	0.0 L	30.0000
115	ACE844	0.0 L	0.0 N	0.0 N	20.0000	30.0000	30.0000	0.0 N	0.0 N	10.0000	30.0000
116	ACE845	0.0 L	0.0 N	0.0 N	20.0000	70.0000	70.0000	0.0 N	0.0 N	10.0000	30.0000
117	ACE852	0.0 L	0.0 N	0.0 N	20.0000	70.0000	30.0000	0.0 L	0.0 L	10.0000	30.0000
118	ACE853	0.0 L	0.0 N	0.0 N	30.0000	150.0000	30.0000	0.0 L	0.0 N	15.0000	50.0000
119	ACE854	1.0000	0.0 N	0.0 N	30.0000	70.0000	30.0000	0.0 L	0.0 N	15.0000	50.0000
120	ACE855	0.0 L	0.0 N	0.0 N	30.0000	150.0000	30.0000	0.0 N	0.0 N	15.0000	50.0000
121	ACE847	0.0 N	0.0 N	0.0 N	30.0000	300.0000	50.0000	0.0 N	0.0 N	0.0 L	70.0000
122	ACE846	0.0 L	0.0 N	0.0 N	20.0000	150.0000	50.0000	0.0 N	0.0 N	10.0000	50.0000
123	ACL820	0.0 L	0.0 N	0.0 N	20.0000	150.0000	50.0000	0.0 N	0.0 N	0.0 L	100.0000
124	ACL819	0.0 N	0.0 N	0.0 N	70.0000	500.0000	70.0000	0.0 N	0.0 N	10.0000	150.0000
125	ACE848	0.0 L	0.0 N	0.0 N	10.0000	200.0000	7.0000	0.0 N	0.0 N	10.0000	30.0000
126	ACE856	0.0 L	0.0 N	0.0 N	30.0000	150.0000	30.0000	0.0 N	0.0 N	10.0000	50.0000
127	ACL818	0.0 N	0.0 N	0.0 N	30.0000	150.0000	30.0000	0.0 N	0.0 L	15.0000	70.0000
128	ACL816	1.5000	0.0 N	0.0 N	15.0000	150.0000	30.0000	0.0 L	0.0 N	15.0000	50.0000
129	ACE857	0.0 N	0.0 N	0.0 N	15.0000	70.0000	30.0000	0.0 N	0.0 N	10.0000	30.0000
130	ACE858	0.0 N	0.0 N	0.0 N	20.0000	70.0000	15.0000	0.0 N	0.0 N	10.0000	30.0000
131	ACE850	1.0000	0.0 N	0.0 N	30.0000	150.0000	50.0000	30.0000	0.0 N	15.0000	30.0000
132	ACE849	0.0 L	0.0 N	0.0 N	30.0000	150.0000	70.0000	30.0000	0.0 N	15.0000	50.0000
133	ACL815	1.5000	0.0 N	0.0 N	30.0000	150.0000	70.0000	30.0000	0.0 L	20.0000	70.0000

CRAIG B-4 STREAM SEDIMENTS

	SAMPLE	PB PPM	SB PPM	SC PPM	SN PPM	SR PPM	V PPM	W PPM	Y PPM	ZN PPM	ZR PPM
88	ACL824	15.0000	0.0 N	30.0000	0.0 N	300.0000	300.0000	0.0 N	30.0000	0.0 L	150.0000
89	ACL823	30.0000	0.0 N	20.0000	0.0 N	700.0000	300.0000	0.0 N	30.0000	300.0000	70.0000
90	AMG003	0.0 L	0.0 N	30.0000	0.0 N	300.0000	300.0000	0.0 N	30.0000	0.0 N	150.0000
91	ACL822	10.0000	0.0 N	30.0000	0.0 N	500.0000	500.0000	0.0 N	20.0000	300.0000	70.0000
92	ACL821	30.0000	0.0 N	15.0000	0.0 N	300.0000	300.0000	0.0 N	30.0000	3000.0000	70.0000
93	ACL411	20.0000	0.0 N	30.0000	0.0 N	200.0000	300.0000	0.0 N	20.0000	0.0 L	70.0000
94	ACL410	15.0000	0.0 N	30.0000	0.0 N	200.0000	300.0000	0.0 N	15.0000	0.0 L	70.0000
95	AMG006	10.0000	0.0 N	30.0000	0.0 N	300.0000	200.0000	0.0 N	20.0000	0.0 N	70.0000
96	AMG005	10.0000	0.0 N	30.0000	0.0 N	200.0000	200.0000	0.0 N	30.0000	0.0 N	70.0000
97	ACL415	15.0000	0.0 N	30.0000	0.0 N	300.0000	200.0000	0.0 N	20.0000	0.0 L	70.0000
98	ACL414	20.0000	0.0 N	30.0000	0.0 N	150.0000	200.0000	0.0 N	70.0000	200.0000	70.0000
99	ACL409	20.0000	0.0 N	30.0000	0.0 N	300.0000	300.0000	0.0 N	15.0000	200.0000	70.0000
100	ACL413	15.0000	0.0 N	30.0000	0.0 N	300.0000	200.0000	0.0 N	20.0000	0.0 L	70.0000
101	ACL412	15.0000	0.0 N	30.0000	0.0 N	300.0000	200.0000	0.0 N	15.0000	0.0 L	70.0000
102	ACL408	0.0 N	0.0 N	30.0000	0.0 N	150.0000	200.0000	0.0 N	15.0000	0.0 L	70.0000
103	ACL416	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
104	ACL417	15.0000	0.0 N	30.0000	0.0 N	300.0000	200.0000	0.0 N	15.0000	0.0 L	70.0000
105	ACL805	15.0000	0.0 N	20.0000	0.0 N	150.0000	150.0000	0.0 N	20.0000	0.0 L	70.0000
106	ACL806	15.0000	0.0 N	30.0000	0.0 N	300.0000	150.0000	0.0 N	15.0000	0.0 L	70.0000
107	ACL807	10.0000	0.0 N	20.0000	0.0 N	300.0000	150.0000	0.0 N	20.0000	0.0 L	70.0000
108	ACL808	10.0000	0.0 N	30.0000	0.0 N	200.0000	200.0000	0.0 N	20.0000	0.0 L	70.0000
109	ACL809	10.0000	0.0 N	30.0000	0.0 N	200.0000	200.0000	0.0 N	30.0000	0.0 L	70.0000
110	ACL810	20.0000	0.0 N	15.0000	0.0 N	200.0000	150.0000	0.0 N	20.0000	0.0 L	70.0000
111	ACL811	20.0000	0.0 N	20.0000	0.0 N	150.0000	150.0000	0.0 N	20.0000	200.0000	70.0000
112	ACL813	20.0000	0.0 N	20.0000	0.0 N	300.0000	200.0000	0.0 N	20.0000	0.0 L	100.0000
113	ACL814	15.0000	0.0 N	30.0000	0.0 N	300.0000	200.0000	0.0 N	10.0000	0.0 N	70.0000
114	ACE851	10.0000	0.0 N	15.0000	0.0 N	150.0000	200.0000	0.0 N	15.0000	0.0 L	70.0000
115	ACE844	0.0 L	0.0 N	30.0000	0.0 N	150.0000	200.0000	0.0 N	30.0000	0.0 L	70.0000
116	ACE845	10.0000	0.0 N	20.0000	0.0 N	200.0000	200.0000	0.0 N	20.0000	0.0 L	70.0000
117	ACE852	10.0000	0.0 N	30.0000	0.0 N	200.0000	300.0000	0.0 N	20.0000	0.0 L	70.0000
118	ACE853	10.0000	0.0 N	30.0000	0.0 N	150.0000	200.0000	0.0 N	20.0000	0.0 L	70.0000
119	ACE854	0.0 L	0.0 N	30.0000	0.0 N	300.0000	200.0000	0.0 N	20.0000	0.0 L	100.0000
120	ACE855	10.0000	0.0 N	30.0000	0.0 N	150.0000	200.0000	0.0 N	15.0000	0.0 L	70.0000
121	ACE847	10.0000	0.0 N	30.0000	0.0 N	150.0000	300.0000	0.0 N	15.0000	0.0 N	70.0000
122	ACE846	15.0000	0.0 N	20.0000	0.0 N	150.0000	300.0000	0.0 N	20.0000	0.0 L	70.0000
123	ACL820	15.0000	0.0 N	30.0000	0.0 N	150.0000	200.0000	0.0 N	15.0000	0.0 L	70.0000
124	ACL819	0.0 L	0.0 N	50.0000	0.0 N	150.0000	300.0000	0.0 N	15.0000	0.0 L	70.0000
125	ACE848	0.0 L	0.0 N	15.0000	0.0 N	200.0000	150.0000	0.0 N	10.0000	0.0 N	70.0000
126	ACE856	10.0000	0.0 N	30.0000	0.0 N	150.0000	150.0000	0.0 N	15.0000	0.0 L	70.0000
127	ACL818	10.0000	0.0 N	30.0000	0.0 N	100.0000	200.0000	0.0 N	15.0000	0.0 N	70.0000
128	ACL816	15.0000	0.0 N	20.0000	0.0 N	300.0000	150.0000	0.0 N	15.0000	0.0 L	70.0000
129	ACE857	10.0000	0.0 N	20.0000	0.0 N	150.0000	200.0000	0.0 N	15.0000	0.0 N	70.0000
130	ACE858	0.0 L	0.0 N	30.0000	0.0 N	150.0000	300.0000	0.0 N	15.0000	0.0 L	70.0000
131	ACE850	10.0000	0.0 N	30.0000	0.0 N	150.0000	300.0000	0.0 N	20.0000	200.0000	100.0000
132	ACE849	15.0000	0.0 N	30.0000	0.0 N	300.0000	200.0000	0.0 N	30.0000	0.0 L	150.0000
133	ACL815	20.0000	0.0 N	30.0000	0.0 N	300.0000	300.0000	0.0 N	30.0000	0.0 L	150.0000

CRAIG B-4 STREAM SEDIMENTS

	SAMPLE	AU PPM
88	ACL824	0.0200L
89	ACL823	0.0200L
90	AMG003	0.0200L
91	ACL822	0.0200L
92	ACL821	0.0200L
93	ACL411	0.0400L
94	ACL410	0.0200L
95	AMG006	0.0200L
96	AMG005	0.0200L
97	ACL415	0.0200L
98	ACL414	0.1000L
99	ACL409	0.0400L
100	ACL413	0.0400L
101	ACL412	0.2000
102	ACL408	0.0200L
103	ACL416	0.0200L
104	ACL417	0.0200L
105	ACL805	0.1000L
106	ACL806	0.0200L
107	ACL807	0.0200L
108	ACL808	0.0200L
109	ACL809	0.0200L
110	ACL810	0.0200L
111	ACL811	0.0200L
112	ACL813	0.0200L
113	ACL814	0.0200L
114	ACE851	0.0200L
115	ACE844	0.0200L
116	ACE845	0.0200L
117	ACE852	0.1000L
118	ACE853	0.0400L
119	ACE854	0.0400L
120	ACE855	0.1000L
121	ACE847	0.0200L
122	ACE846	0.0200L
123	ACL820	0.0200L
124	ACL819	0.0200L
125	ACE848	0.0200L
126	ACE856	0.0400L
127	ACL818	0.0200L
128	ACL816	0.0200L
129	ACE857	0.0200L
130	ACE858	0.0200L
131	ACE850	0.0200L
132	ACE849	0.0200L
133	ACL815	0.1000L

FREQUENCY TABLE FOR COLUMN 1 (FE PCT)

LIMITS		FREQ	FREQ	PERCENT	PERCENT
LOWER	UPPER		CUM	FREQ	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	0	0	0.0	0.0
2.6E 00	3.8E 00	3	3	3.12	3.12
3.8E 00	5.6E 00	4	7	4.17	7.29
5.6E 00	8.3E 00	8	15	8.33	15.62
8.3E 00	1.2E 01	24	39	25.00	40.63
1.2E 01	1.8E 01	49	88	51.04	91.67
1.8E 01	2.6E 01	7	95	7.29	98.96

HISTOGRAM FOR COLUMN 1 (FE PCT)

3.0E 00 XXX
5.0E 00 XXXX
7.0E 00 XXXXXXXX
1.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXXX
1.5E 01 XX
2.0E 01 XXXXXXXX

N	L	H	B	T	G	ANALYTICAL VALUES
0	0	0	0	0	1	95
0.0	0.0			0.0	1.04	

MAXIMUM = 2.00000E 01

MINIMUM = 3.00000E 00

GEOMETRIC MEAN = 1.17698E 01

GEOMETRIC DEVIATION = 1.51431E 00

FREQUENCY TABLE FOR COLUMN 2 (MG PCT)

LIMITS		FREQ	FREQ CUM	PERCENT	
LOWER	UPPER			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	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	1.04	1.04
8.3E-01	1.2E 00	6	7	6.25	7.29
1.2E 00	1.8E 00	20	27	20.83	28.13
1.8E 00	2.6E 00	13	40	13.54	41.67
2.6E 00	3.8E 00	50	90	52.08	93.75
3.8E 00	5.6E 00	5	95	5.21	98.96
5.6E 00	8.3E 00	1	96	1.04	100.00

HISTOGRAM FOR COLUMN 2 (MG PCT)

7.0E-01 X
1.0E 00 XXXXXX
1.5E 00 XXXXXXXXXXXXXXXXXXXXXXXX
2.0E 00 XXXXXXXXXXXXXXXX
3.0E 00 XX
5.0E 00 XXXXX
7.0E 00 X

N	L	H	B	T	G	ANALYTICAL VALUES
0	0	0	0	0	0	96
0.0	0.0			0.0	0.0	

MAXIMUM = 7.00000E 00

MINIMUM = 7.00000E-01

GEOMETRIC MEAN = 2.34175E 00

GEOMETRIC DEVIATION = 1.53111E 00

FREQUENCY TABLE FOR COLUMN 3 (CA PCT)

LIMITS		FREQ	FREQ	PERCENT	PERCENT
LOWER	UPPER		CUM	FREQ	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	5	5	5.21	5.21
5.6E-01	8.3E-01	24	29	25.00	30.21
8.3E-01	1.2E 00	15	44	15.62	45.83
1.2E 00	1.8E 00	29	73	30.21	76.04
1.8E 00	2.6E 00	10	83	10.42	86.46
2.6E 00	3.8E 00	5	88	5.21	91.67
3.8E 00	5.6E 00	4	92	4.17	95.83
5.6E 00	8.3E 00	4	96	4.17	100.00

HISTOGRAM FOR COLUMN 3 (CA PCT)

5.0E-01 XXXXX
7.0E-01 XXXXXXXXXXXXXXXXXXXXXXXX
1.0E 00 XXXXXXXXXXXXXXXXXXXX
1.5E 00 XXXXXXXXXXXXXXXXXXXXXXXX
2.0E 00 XXXXXXXXXX
3.0E 00 XXXXX
5.0E 00 XXXX
7.0E 00 XXXX

N	L	H	B	T	G
0	0	0	0	0	0
0.0	0.0			0.0	0.0

ANALYTICAL
VALUES
96

MAXIMUM = 7.00000E 00

MINIMUM = 5.00000E-01

GEOMETRIC MEAN = 1.31623E 00

GEOMETRIC DEVIATION = 1.90286E 00

FREQUENCY TABLE FOR COLUMN 4 (TI PCT)

LIMITS		FREQ	FREQ	PERCENT	PERCENT
LOWER	UPPER		CUM	FREQ	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	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	3.12	3.12
3.8E-01	5.6E-01	6	9	6.25	9.37
5.6E-01	8.3E-01	39	48	40.63	50.00
8.3E-01	1.2E 00	39	87	40.63	90.63
1.2E 00	1.8E 00	0	87	0.0	90.63
1.8E 00	2.6E 00	0	87	0.0	90.63
2.6E 00	3.8E 00	0	87	0.0	90.63
3.8E 00	5.6E 00	0	87	0.0	90.63
5.6E 00	8.3E 00	1	88	1.04	91.67

HISTOGRAM FOR COLUMN 4 (TI PCT)

3.0E-01 XXX
5.0E-01 XXXXXX
7.0E-01 XX
1.0E 00 XX
1.5E 00
2.0E 00
3.0E 00
5.0E 00
7.0E 00 X

N L H B T G
0 0 0 0 0 8
0.0 0.0 0.0 8.33

ANALYTICAL
VALUES
88

MAXIMUM = 7.00000E 00

MINIMUM = 3.00000E-01

GEOMETRIC MEAN = 7.99105E-01

GEOMETRIC DEVIATION = 1.43967E 00

FREQUENCY TABLE FOR COLUMN 5 (MN PPM)

LIMITS		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
LOWER	UPPER				
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	1	1	1.04	1.04
1.8E 02	- 2.6E 02	0	1	0.0	1.04
2.6E 02	- 3.8E 02	1	2	1.04	2.08
3.8E 02	- 5.6E 02	1	3	1.04	3.12
5.6E 02	- 8.3E 02	6	9	6.25	9.37
8.3E 02	- 1.2E 03	10	19	10.42	19.79
1.2E 03	- 1.8E 03	51	70	53.13	72.92
1.8E 03	- 2.6E 03	16	86	16.67	89.58
2.6E 03	- 3.8E 03	7	93	7.29	96.88
3.8E 03	- 5.6E 03	2	95	2.08	98.96

HISTOGRAM FOR COLUMN 5 (MN PPM)

1.5E 02 X
 2.0E 02
 3.0E 02 X
 5.0E 02 X
 7.0E 02 XXXXXX
 1.0E 03 XXXXXXXXXXXX
 1.5E 03 XX
 2.0E 03 XXXXXXXXXXXXXXXX
 3.0E 03 XXXXXXXX
 5.0E 03 XX

N L H B T G
 0 0 0 0 0 1
 0.0 0.0 0.0 0.0 1.04

ANALYTICAL
 VALUES
 95

MAXIMUM = 5.00000E 03

MINIMUM = 1.50000E 02

GEOMETRIC MEAN = 1.47218E 03

GEOMETRIC DEVIATION = 1.61820E 00

FREQUENCY TABLE FOR COLUMN 6 (AG PPM)

LIMITS		FREQ	FREQ	PERCENT	PERCENT
LOWER	UPPER		CUM	FREQ	FREQ CUM
3.8E-01	5.6E-01	0	0	0.0	0.0
5.6E-01	8.3E-01	2	2	2.08	2.08
8.3E-01	1.2E 00	2	4	2.08	4.17
1.2E 00	1.8E 00	1	5	1.04	5.21

HISTOGRAM FOR COLUMN 6 (AG PPM)

7.0E-01 XX

1.0E 00 XX

1.5E 00 X

N	L	H	B	T	G	ANALYTICAL VALUES
70	21	0	0	0	0	5
72.92	21.88			0.0	0.0	

MAXIMUM = 1.50000E 00

MINIMUM = 7.00000E-01

GEOMETRIC MEAN = 9.40281E-01

GEOMETRIC DEVIATION = 1.37188E 00

FREQUENCY TABLE FOR COLUMN 7 (AS PPM)

LIMITS		FREQ	FREQ	PERCENT	PERCENT
LOWER	UPPER		CUM	FREQ	FREQ CUM
1.8E 02	2.6E 02	0	0	0.0	0.0
2.6E 02	3.8E 02	1	1	1.04	1.04

HISTOGRAM FOR COLUMN 7 (AS PPM)

3.0E 02 X

N	L	H	B	T	G	ANALYTICAL
94	1	0	0	0	0	VALUES
97.92	1.04			0.0	0.0	1

MAXIMUM = 3.00000E 02

MINIMUM = 3.00000E 02

GEOMETRIC MEAN = 2.99999E 02

GEOMETRIC DEVIATION = 9.99900E 48

FREQUENCY TABLE FOR COLUMN 8 (AU PPM)

LIMITS		FREQ	FREQ	PERCENT	PERCENT
LOWER	UPPER		CUM	FREQ	FREQ CUM

N	L	H	B	T	G
96	0	0	0	0	0
*****	0.0			0.0	0.0

ANALYTICAL
VALUES
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		FREQ	FREQ CUM	PERCENT	
LOWER	UPPER			FREQ	CUM
8.3E 00	1.2E 01	9	9	9.37	9.37
1.2E 01	1.8E 01	23	32	23.96	33.33
1.8E 01	2.6E 01	16	48	16.67	50.00
2.6E 01	3.8E 01	26	74	27.08	77.08
3.8E 01	5.6E 01	10	84	10.42	87.50
5.6E 01	8.3E 01	2	86	2.08	89.58
8.3E 01	1.2E 02	1	87	1.04	90.63

HISTOGRAM FOR COLUMN 9 (B PPM)

```

1.0E 01 XXXXXXXXX
1.5E 01 XXXXXXXXXXXXXXXXXXXXXXXX
2.0E 01 XXXXXXXXXXXXXXXXXXXXXXXX
3.0E 01 XXXXXXXXXXXXXXXXXXXXXXXX
5.0E 01 XXXXXXXXXX
7.0E 01 XX
1.0E 02 X

```

73

N	L	H	B	T	G	ANALYTICAL
2	7	0	0	0	0	VALUES
2.08	7.29			0.0	0.0	87

MAXIMUM = 1.00000E 02

MINIMUM = 1.00000E 01

GEOMETRIC MEAN = 2.26860E 01

GEOMETRIC DEVIATION = 1.68195E 00

FREQUENCY TABLE FOR COLUMN 10 (BA PPM)

LIMITS		FREQ	FREQ CUM	PERCENT	
LOWER -	UPPER			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	0	0	0.0	0.0
8.3E 01 -	1.2E 02	0	0	0.0	0.0
1.2E 02 -	1.8E 02	2	2	2.08	2.08
1.8E 02 -	2.6E 02	4	6	4.17	6.25
2.6E 02 -	3.8E 02	32	38	33.33	39.58
3.8E 02 -	5.6E 02	16	54	16.67	56.25
5.6E 02 -	8.3E 02	27	81	28.13	84.38
8.3E 02 -	1.2E 03	3	84	3.12	87.50
1.2E 03 -	1.8E 03	10	94	10.42	97.92
1.8E 03 -	2.6E 03	1	95	1.04	98.96
2.6E 03 -	3.8E 03	1	96	1.04	100.00

HISTOGRAM FOR COLUMN 10 (BA PPM)

1.5E 02 XX
 2.0E 02 XXXX
 3.0E 02 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 5.0E 02 XXXXXXXXXXXXXXXXXXXX
 7.0E 02 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 1.0E 03 XXX
 1.5E 03 XXXXXXXXXX
 2.0E 03 X
 3.0E 03 X

N L H B T G
 0 0 0 0 0 0
 0.0 0.0 0.0 0.0 0.0 0.0

ANALYTICAL
 VALUES
 96

MAXIMUM = 3.00000E 03

MINIMUM = 1.50000E 02

GEOMETRIC MEAN = 5.15370E 02

GEOMETRIC DEVIATION = 1.85410E 00

FREQUENCY TABLE FOR COLUMN 11 (8E PPM)

LIMITS		FREQ	FREQ CUM	PERCENT	
LOWER -	UPPER			FREQ	FREQ CUM
8.3E-01 -	1.2E 00	12	12	12.50	12.50
1.2E 00 -	1.8E 00	8	20	8.33	20.83
1.8E 00 -	2.6E 00	2	22	2.08	22.92
2.6E 00 -	3.8E 00	1	23	1.04	23.96

HISTOGRAM FOR COLUMN 11 (8E PPM)

1.0E 00 XXXXXXXXXXXXX

1.5E 00 XXXXXXXXX

2.0E 00 XX

3.0E 00 X

N	L	H	B	T	G	ANALYTICAL VALUES
18	55	0	0	0	0	23
18.75	57.29			0.0	0.0	

MAXIMUM = 3.00000E 00

MINIMUM = 1.00000E 00

GEOMETRIC MEAN = 1.28283E 00

GEOMETRIC DEVIATION = 1.35760E 00

FREQUENCY TABLE FOR COLUMN 12 (BI PPM)

LIMITS		FREQ	FREQ	PERCENT	PERCENT
LOWER	UPPER		CUM	FREQ	FREQ CUM

N	L	H	B	T	G
96	0	0	0	0	0
*****	0.0			0.0	0.0

ANALYTICAL
VALUES
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		FREQ	FREQ	PERCENT	PERCENT
LOWER	UPPER		CUM	FREQ	FREQ CUM

N	L	H	B	T	G
96	0	0	0	0	0
*****	0.0			0.0	0.0

ANALYTICAL
VALUES
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		FREQ	FREQ	PERCENT	PERCENT
LOWER	UPPER		CUM	FREQ	FREQ CUM
3.8E 00 -	5.6E 00	2	2	2.08	2.08
5.6E 00 -	8.3E 00	0	2	0.0	2.08
8.3E 00 -	1.2E 01	3	5	3.12	5.21
1.2E 01 -	1.8E 01	9	14	9.37	14.58
1.8E 01 -	2.6E 01	19	33	19.79	34.38
2.6E 01 -	3.8E 01	40	73	41.67	76.04
3.8E 01 -	5.6E 01	13	86	13.54	89.58
5.6E 01 -	8.3E 01	9	95	9.37	98.96
8.3E 01 -	1.2E 02	0	95	0.0	98.96
1.2E 02 -	1.8E 02	1	96	1.04	100.00

HISTOGRAM FOR COLUMN 14 (CO PPM)

5.0E 00 XX
7.0E 00
1.0E 01 XXX
1.5E 01 XXXXXXXXX
2.0E 01 XXXXXXXXXXXXXXXXXXXXX
3.0E 01 XX
5.0E 01 XXXXXXXXXXXXXXXX
7.0E 01 XXXXXXXXX
1.0E 02
1.5E 02 X

N	L	H	B	T	G	ANALYTICAL
0	0	0	0	0	0	VALUES
0.0	0.0			0.0	0.0	96

MAXIMUM = 1.50000E 02

MINIMUM = 5.00000E 00

GEOMETRIC MEAN = 2.84931E 01

GEOMETRIC DEVIATION = 1.74893E 00

FREQUENCY TABLE FOR COLUMN 15 (CR PPM)

LIMITS		FREQ	FREQ	PERCENT	PERCENT
LOWER	UPPER		CUM	FREQ	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	0	0	0.0	0.0
1.2E 01	1.8E 01	0	0	0.0	0.0
1.8E 01	2.6E 01	2	2	2.08	2.08
2.6E 01	3.8E 01	8	10	8.33	10.42
3.8E 01	5.6E 01	0	10	0.0	10.42
5.6E 01	8.3E 01	28	38	29.17	39.58
8.3E 01	1.2E 02	9	47	9.37	48.96
1.2E 02	1.8E 02	45	92	46.88	95.83
1.8E 02	2.6E 02	2	94	2.08	97.92
2.6E 02	3.8E 02	1	95	1.04	98.96
3.8E 02	5.6E 02	1	96	1.04	100.00

HISTOGRAM FOR COLUMN 15 (CR PPM)

2.0E 01 XX
3.0E 01 XXXXXXXX
5.0E 01
7.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
1.0E 02 XXXXXXXXX
1.5E 02 XX
2.0E 02 XX
3.0E 02 X
5.0E 02 X

N	L	H	B	T	G	ANALYTICAL
0	0	0	0	0	0	VALUES
0.0	0.0			0.0	0.0	96

MAXIMUM = 5.00000E 02

MINIMUM = 2.00000E 01

GEOMETRIC MEAN = 9.94821E 01

GEOMETRIC DEVIATION = 1.79466E 00

FREQUENCY TABLE FOR COLUMN 16 (CU PPM)

LIMITS		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
LOWER -	UPPER				
3.8E 00 -	5.6E 00	0	0	0.0	0.0
5.6E 00 -	8.3E 00	1	1	1.04	1.04
8.3E 00 -	1.2E 01	2	3	2.08	3.12
1.2E 01 -	1.8E 01	4	7	4.17	7.29
1.8E 01 -	2.6E 01	1	8	1.04	8.33
2.6E 01 -	3.8E 01	24	32	25.00	33.33
3.8E 01 -	5.6E 01	26	58	27.08	60.42
5.6E 01 -	8.3E 01	28	86	29.17	89.58
8.3E 01 -	1.2E 02	2	88	2.08	91.67
1.2E 02 -	1.8E 02	3	91	3.12	94.79
1.8E 02 -	2.6E 02	0	91	0.0	94.79
2.6E 02 -	3.8E 02	1	92	1.04	95.83
3.8E 02 -	5.6E 02	0	92	0.0	95.83
5.6E 02 -	8.3E 02	2	94	2.08	97.92
8.3E 02 -	1.2E 03	1	95	1.04	98.96

HISTOGRAM FOR COLUMN 16 (CU PPM)

7.0E 00 X
1.0E 01 XX
1.5E 01 XXXX
2.0E 01 X
3.0E 01 XXXXXXXXXXXXXXXXXXXXXXXX
5.0E 01 XXXXXXXXXXXXXXXXXXXXXXXX
7.0E 01 XXXXXXXXXXXXXXXXXXXXXXXX
1.0E 02 XX
1.5E 02 XXX
2.0E 02
3.0E 02 X
5.0E 02
7.0E 02 XX
1.0E 03 X

N	L	H	B	T	G
0	1	0	0	0	0
0.0	1.04			0.0	0.0

ANALYTICAL
VALUES
95

MAXIMUM = 1.00000E 03

MINIMUM = 7.00000E 00

GEOMETRIC MEAN = 5.05238E 01

GEOMETRIC DEVIATION = 2.16088E 00

FREQUENCY TABLE FOR COLUMN 17 (LA PPM)

LIMITS		FREQ	FREQ	PERCENT	PERCENT
LOWER -	UPPER		CUM	FREQ	FREQ CUM
1.8E 01 -	2.6E 01	10	10	10.42	10.42
2.6E 01 -	3.8E 01	7	17	7.29	17.71
3.8E 01 -	5.6E 01	1	18	1.04	18.75

HISTOGRAM FOR COLUMN 17 (LA PPM)

2.0E 01 XXXXXXXXXXXX

3.0E 01 XXXXXXXX

5.0E 01 X

N	L	H	B	T	G	ANALYTICAL VALUES
40	38	0	0	0	0	18
41.67	39.58			0.0	0.0	

MAXIMUM = 5.00000E 01

MINIMUM = 2.00000E 01

GEOMETRIC MEAN = 2.46385E 01

GEOMETRIC DEVIATION = 1.30546E 00

FREQUENCY TABLE FOR COLUMN 18 (MO PPM)

LIMITS		FREQ	FREQ CUM	PERCENT	
LOWER -	UPPER			FREQ	PERCENT FREQ CUM
3.8E 00 -	5.6E 00	4	4	4.17	4.17
5.6E 00 -	8.3E 00	7	11	7.29	11.46
8.3E 00 -	1.2E 01	3	14	3.12	14.58
1.2E 01 -	1.8E 01	7	21	7.29	21.88
1.8E 01 -	2.6E 01	2	23	2.08	23.96
2.6E 01 -	3.8E 01	2	25	2.08	26.04
3.8E 01 -	5.6E 01	0	25	0.0	26.04
5.6E 01 -	8.3E 01	1	26	1.04	27.08
8.3E 01 -	1.2E 02	0	26	0.0	27.08
1.2E 02 -	1.8E 02	1	27	1.04	28.13
1.8E 02 -	2.6E 02	1	28	1.04	29.17

HISTOGRAM FOR COLUMN 18 (MO PPM)

5.0E 00 XXXX
7.0E 00 XXXXXXXX
1.0E 01 XXX
1.5E 01 XXXXXXXX
2.0E 01 XX
3.0E 01 XX
5.0E 01
7.0E 01 X
1.0E 02
1.5E 02 X
2.0E 02 X

N	L	H	B	T	G
45	23	0	0	0	0
46.88	23.96			0.0	0.0

ANALYTICAL
VALUES
28

MAXIMUM = 2.00000E 02

MINIMUM = 5.00000E 00

GEOMETRIC MEAN = 1.36937E 01

GEOMETRIC DEVIATION = 2.60075E 00

FREQUENCY TABLE FOR COLUMN 19 (NB PPM)

LIMITS		FREQ	FREQ	PERCENT	PERCENT
LOWER	UPPER		CUM	FREQ	FREQ CUM
8.3E 00 -	1.2E 01	36	36	37.50	37.50
1.2E 01 -	1.8E 01	35	71	36.46	73.96
1.8E 01 -	2.6E 01	13	84	13.54	87.50
2.6E 01 -	3.8E 01	6	90	6.25	93.75

HISTOGRAM FOR COLUMN 19 (NB PPM)

1.0E 01 XX

1.5E 01 XX

2.0E 01 XXXXXXXXXXXXXXXX

3.0E 01 XXXXXX

N	L	H	B	T	G	ANALYTICAL
0	6	0	0	0	0	VALUES
0.0	6.25			0.0	0.0	90

MAXIMUM = 3.00000E 01

MINIMUM = 1.00000E 01

GEOMETRIC MEAN = 1.39239E 01

GEOMETRIC DEVIATION = 1.38360E 00

FREQUENCY TABLE FOR COLUMN 20 (NI PPM)

LIMITS		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
LOWER	UPPER				
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	0	0	0.0	0.0
1.2E 01	1.8E 01	2	2	2.08	2.08
1.8E 01	2.6E 01	2	4	2.08	4.17
2.6E 01	3.8E 01	34	38	35.42	39.58
3.8E 01	5.6E 01	23	61	23.96	63.54
5.6E 01	8.3E 01	13	74	13.54	77.08
8.3E 01	1.2E 02	8	82	8.33	85.42
1.2E 02	1.8E 02	13	95	13.54	98.96
1.8E 02	2.6E 02	1	96	1.04	100.00

HISTOGRAM FOR COLUMN 20 (NI PPM)

1.5E 01 XX
 2.0E 01 XX
 3.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 5.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 7.0E 01 XXXXXXXXXXXXXXXX
 1.0E 02 XXXXXXXX
 1.5E 02 XXXXXXXXXXXXXXXX
 2.0E 02 X

N L H B T G
 0 0 0 0 0 0
 0.0 0.0 0.0 0.0

ANALYTICAL
 VALUES
 96

MAXIMUM = 2.00000E 02

MINIMUM = 1.50000E 01

GEOMETRIC MEAN = 5.21150E 01

GEOMETRIC DEVIATION = 1.85424E 00

FREQUENCY TABLE FOR COLUMN 21 (P8 PPM)

LIMITS		FREQ	FREQ	PERCENT	PERCENT
LOWER	UPPER		CUM	FREQ	FREQ CUM
8.3E 00 -	1.2E 01	25	25	26.04	26.04
1.2E 01 -	1.8E 01	29	54	30.21	56.25
1.8E 01 -	2.6E 01	13	67	13.54	69.79
2.6E 01 -	3.8E 01	7	74	7.29	77.08

HISTOGRAM FOR COLUMN 21 (P8 PPM)

1.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXXX

1.5E 01 XXXXXXXXXXXXXXXXXXXXXXXXXX

2.0E 01 XXXXXXXXXXXXXXX

3.0E 01 XXXXXXX

N	L	H	B	T	G
4	18	0	0	0	0
4.17	18.75			0.0	0.0

ANALYTICAL
VALUES
74

MAXIMUM = 3.00000E 01

MINIMUM = 1.00000E 01

GEOMETRIC MEAN = 1.46898E 01

GEOMETRIC DEVIATION = 1.40723E 00

FREQUENCY TABLE FOR COLUMN 22 (SB PPM)

LIMITS		FREQ	FREQ	PERCENT	PERCENT
LOWER	UPPER		CUM	FREQ	FREQ CUM

N	L	H	B	T	G
96	0	0	0	0	0
*****	0.0			0.0	0.0

ANALYTICAL
VALUES
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		FREQ	FREQ	PERCENT	PERCENT
LOWER	UPPER		CUM	FREQ	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	0	0	0.0	0.0
1.2E 01	1.8E 01	21	21	21.88	21.88
1.8E 01	2.6E 01	25	46	26.04	47.92
2.6E 01	3.8E 01	49	95	51.04	98.96
3.8E 01	5.6E 01	1	96	1.04	100.00

HISTOGRAM FOR COLUMN 23 (SC PPM)

1.5E 01 XXXXXXXXXXXXXXXXXXXXXXXX
 2.0E 01 XXXXXXXXXXXXXXXXXXXXXXXX
 3.0E 01 XX
 5.0E 01 X

N	L	H	B	T	G	ANALYTICAL
0	0	0	0	0	0	VALUES
0.0	0.0			0.0	0.0	96

MAXIMUM = 5.00000E 01

MINIMUM = 1.50000E 01

GEOMETRIC MEAN = 2.33194E 01

GEOMETRIC DEVIATION = 1.34573E 00

00

FREQUENCY TABLE FOR COLUMN 24 (SN PPM)

LIMITS		FREQ	FREQ	PERCENT	PERCENT
LOWER	UPPER		CUM	FREQ	FREQ CUM

N	L	H	B	T	G
96	0	0	0	0	0
*****	0.0			0.0	0.0

ANALYTICAL
VALUES
0

MAXIMUM = -9.99900E 48

MINIMUM = 9.99900E 48

GEOMETRIC MEAN = 9.99900E 48

GEOMETRIC DEVIATION = 9.99900E 48

FREQUENCY TABLE FOR COLUMN 25 (SR PPM)

LIMITS		FREQ	FREQ	PERCENT	PERCENT
LOWER	UPPER		CUM	FREQ	FREQ CUM
8.3E 01 -	1.2E 02	5	5	5.21	5.21
1.2E 02 -	1.8E 02	29	34	30.21	35.42
1.8E 02 -	2.6E 02	17	51	17.71	53.13
2.6E 02 -	3.8E 02	36	87	37.50	90.63
3.8E 02 -	5.6E 02	5	92	5.21	95.83
5.6E 02 -	8.3E 02	2	94	2.08	97.92

HISTOGRAM FOR COLUMN 25 (SR PPM)

1.0E 02 XXXXX
 1.5E 02 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 2.0E 02 XXXXXXXXXXXXXXXXXXXXXXXX
 3.0E 02 XX
 5.0E 02 XXXXX
 7.0E 02 XX

N	L	H	B	T	G
0	2	0	0	0	0
0.0	2.08			0.0	0.0

ANALYTICAL
VALUES
94

06

MAXIMUM = 7.00000E 02

MINIMUM = 1.00000E 02

GEOMETRIC MEAN = 2.22151E 02

GEOMETRIC DEVIATION = 1.53373E 00

FREQUENCY TABLE FOR COLUMN 26 (V PPM)

LIMITS		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
LOWER	UPPER				
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	10	10	10.42	10.42
1.8E 02	2.6E 02	32	42	33.33	43.75
2.6E 02	3.8E 02	39	81	40.63	84.38
3.8E 02	5.6E 02	7	88	7.29	91.67
5.6E 02	8.3E 02	6	94	6.25	97.92
8.3E 02	1.2E 03	2	96	2.08	100.00

HISTOGRAM FOR COLUMN 26 (V PPM)

1.5E 02 XXXXXXXXXX

2.0E 02 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

3.0E 02 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

5.0E 02 XXXXXX

7.0E 02 XXXXXX

1.0E 03 XX

N	L	H	B	T	G
0	0	0	0	0	0
0.0	0.0			0.0	0.0

ANALYTICAL
VALUES
96

MAXIMUM = 1.00000E 03

MINIMUM = 1.50000E 02

GEOMETRIC MEAN = 2.73607E 02

GEOMETRIC DEVIATION = 1.55052E 00

FREQUENCY TABLE FOR COLUMN 27 (W PPM)

LIMITS		FREQ	FREQ	PERCENT	PERCENT	ANALYTICAL VALUES
LOWER	UPPER		CUM	FREQ	FREQ CUM	
N	L	H	B	T	G	
96	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		FREQ	FREQ	PERCENT	PERCENT
LOWER	UPPER		CUM	FREQ	FREQ CUM
8.3E 00 -	1.2E 01	4	4	4.17	4.17
1.2E 01 -	1.8E 01	37	41	38.54	42.71
1.8E 01 -	2.6E 01	36	77	37.50	80.21
2.6E 01 -	3.8E 01	17	94	17.71	97.92
3.8E 01 -	5.6E 01	1	95	1.04	98.96
5.6E 01 -	8.3E 01	1	96	1.04	100.00

HISTOGRAM FOR COLUMN 28 (Y PPM)

1.0E 01 XXXX

1.5E 01 XX

2.0E 01 XX

3.0E 01 XXXXXXXXXXXXXXXXXXXXX

5.0E 01 X

7.0E 01 X

96

N	L	H	B	T	G
0	0	0	0	0	0
0.0	0.0			0.0	0.0

ANALYTICAL
VALUES
96

MAXIMUM = 7.00000E 01

MINIMUM = 1.00000E 01

GEOMETRIC MEAN = 1.91127E 01

GEOMETRIC DEVIATION = 1.38312E 00

FREQUENCY TABLE FOR COLUMN 29 (ZN PPM)

LIMITS		FREQ	FREQ	PERCENT	PERCENT
LOWER	UPPER		CUM	FREQ	FREQ CUM
1.8E 02 -	2.6E 02	4	4	4.17	4.17
2.6E 02 -	3.8E 02	8	12	8.33	12.50
3.8E 02 -	5.6E 02	5	17	5.21	17.71
5.6E 02 -	8.3E 02	8	25	8.33	26.04
8.3E 02 -	1.2E 03	2	27	2.08	28.13
1.2E 03 -	1.8E 03	0	27	0.0	28.13
1.8E 03 -	2.6E 03	0	27	0.0	28.13
2.6E 03 -	3.8E 03	1	28	1.04	29.17

HISTOGRAM FOR COLUMN 29 (ZN PPM)

2.0E 02 XXXX
3.0E 02 XXXXXXXX
5.0E 02 XXXXX
7.0E 02 XXXXXXXX
1.0E 03 XX
1.5E 03
2.0E 03
3.0E 03 X

N L H B T G
13 55 0 0 0 0
13.54 57.29 0.0 0.0

ANALYTICAL
VALUES
28

MAXIMUM = 3.00000E 03

MINIMUM = 2.00000E 02

GEOMETRIC MEAN = 4.67491E 02

GEOMETRIC DEVIATION = 1.86013E 00

FREQUENCY TABLE FOR COLUMN 30 (ZR PPM)

LIMITS		FREQ	FREQ	PERCENT	PERCENT
LOWER	UPPER		CUM	FREQ	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	60	60	62.50	62.50
8.3E 01	1.2E 02	25	85	26.04	88.54
1.2E 02	1.8E 02	9	94	9.37	97.92
1.8E 02	2.6E 02	2	96	2.08	100.00

HISTOGRAM FOR COLUMN 30 (ZR PPM)

7.0E 01 XX
 1.0E 02 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 1.5E 02 XXXXXXXXXX
 2.0E 02 XX

95

N L H B T G
 0 0 0 0 0 0
 0.0 0.0 0.0 0.0

ANALYTICAL
 VALUES
 96

MAXIMUM = 2.00000E 02

MINIMUM = 7.00000E 01

GEOMETRIC MEAN = 8.43261E 01

GEOMETRIC DEVIATION = 1.31884E 00

FREQUENCY TABLE FOR COLUMN 31 (AU PPM)

LIMITS		FREQ	FREQ CUM	PERCENT	
LOWER	UPPER			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	1	1	1.04	1.04
2.6E-01	3.8E-01	0	1	0.0	1.04
3.8E-01	5.6E-01	1	2	1.04	2.08

HISTOGRAM FOR COLUMN 31 (AU PPM)

2.0E-01 X

3.0E-01

5.0E-01 X

N	L	H	B	T	G
0	94	0	0	0	0
0.0	97.92			0.0	0.0

ANALYTICAL
VALUES
2

96

MAXIMUM = 4.00000E-01

MINIMUM = 2.00000E-01

GEOMETRIC MEAN = 2.82843E-01

GEOMETRIC DEVIATION = 1.63253E 00

A470 STATISTICAL SUMMARY

DATE 4/27/70

ELEMENT	N	L	H	B	T	G	ANALYTICAL VALUES
FE PCT	0	0	0	0	0	1	95
MG PCT	0	0	0	0	0	0	96
CA PCT	0	0	0	0	0	0	96
TI PCT	0	0	0	0	0	8	88
MN PPM	0	0	0	0	0	1	95
AG PPM	70	21	0	0	0	0	5
AS PPM	94	1	0	0	0	0	1
AU PPM	96	0	0	0	0	0	0
B PPM	2	7	0	0	0	0	87
BA PPM	0	0	0	0	0	0	96
BE PPM	18	55	0	0	0	0	23
BI PPM	96	0	0	0	0	0	0
CD PPM	96	0	0	0	0	0	0
CO PPM	0	0	0	0	0	0	96
CR PPM	0	0	0	0	0	0	96
CU PPM	0	1	0	0	0	0	95
LA PPM	40	38	0	0	0	0	18
MO PPM	45	23	0	0	0	0	28
NB PPM	0	6	0	0	0	0	90
NI PPM	0	0	0	0	0	0	96
PB PPM	4	18	0	0	0	0	74
SB PPM	96	0	0	0	0	0	0
SC PPM	0	0	0	0	0	0	96
SN PPM	96	0	0	0	0	0	0
SR PPM	0	2	0	0	0	0	94
V PPM	0	0	0	0	0	0	96
W PPM	96	0	0	0	0	0	0
Y PPM	0	0	0	0	0	0	96
ZN PPM	13	55	0	0	0	0	28
ZR PPM	0	0	0	0	0	0	96
AU PPM	0	94	0	0	0	0	2

ELEMENT	GEOMETRIC MEAN	GEOMETRIC DEVIATION	REMARKS
FE PCT	*****	*****	1 GREATER THAN VALUES. NO COMPUTATIONS.
MG PCT	2.341752	1.53	96 SAMPLES AND 96 ANALYTICAL VALUES.
CA PCT	1.316235	1.90	96 SAMPLES AND 96 ANALYTICAL VALUES.
TI PCT	*****	*****	8 GREATER THAN VALUES. NO COMPUTATIONS.
MN PPM	*****	*****	1 GREATER THAN VALUES. NO COMPUTATIONS.
AG PPM	*****	*****	91 NOT DETECTED, LESS THAN, OR TRACE VALUES.
AS PPM	*****	*****	95 NOT DETECTED, LESS THAN, OR TRACE VALUES.
AU PPM	*****	*****	96 NOT DETECTED, LESS THAN, OR TRACE VALUES.
B PPM	20.094498	1.87	9 NOT DETECTED, LESS THAN, OR TRACE VALUES.
BA PPM	515.369141	1.85	96 SAMPLES AND 96 ANALYTICAL VALUES.
BE PPM	0.495939	2.05	73 NOT DETECTED, LESS THAN, OR TRACE VALUES.
BI PPM	*****	*****	96 NOT DETECTED, LESS THAN, OR TRACE VALUES.
CD PPM	*****	*****	96 NOT DETECTED, LESS THAN, OR TRACE VALUES.
CO PPM	28.492981	1.75	96 SAMPLES AND 96 ANALYTICAL VALUES.
CR PPM	99.481888	1.79	96 SAMPLES AND 96 ANALYTICAL VALUES.
CU PPM	49.069290	2.27	1 NOT DETECTED, LESS THAN, OR TRACE VALUES.
LA PPM	10.463108	1.81	78 NOT DETECTED, LESS THAN, OR TRACE VALUES.
MO PPM	1.301902	7.23	68 NOT DETECTED, LESS THAN, OR TRACE VALUES.
NB PPM	13.337162	1.43	6 NOT DETECTED, LESS THAN, OR TRACE VALUES.
NI PPM	52.114807	1.85	96 SAMPLES AND 96 ANALYTICAL VALUES.
PB PPM	12.089718	1.61	22 NOT DETECTED, LESS THAN, OR TRACE VALUES.

5 REPORTED VALUES. NO COMPUTATIONS.
1 REPORTED VALUES. NO COMPUTATIONS.
0 REPORTED VALUES. NO COMPUTATIONS.
87 REPORTED VALUES.

23 REPORTED VALUES.
0 REPORTED VALUES. NO COMPUTATIONS.
0 REPORTED VALUES. NO COMPUTATIONS.

95 REPORTED VALUES.
18 REPORTED VALUES.
28 REPORTED VALUES.
90 REPORTED VALUES.

74 REPORTED VALUES.

SB PPM	*****	*****
SC PPM	23.319351	1.35
SN PPM	*****	*****
SR PPM	216.874573	1.58
V PPM	273.606689	1.55
W PPM	*****	*****
Y PPM	19.112686	1.38
ZN PPM	82.831787	4.20
ZR PPM	84.325867	1.32
AU PPM	*****	*****

96 NOT DETECTED, LESS THAN, OR TRACE VALUES.
96 SAMPLES AND 96 ANALYTICAL VALUES.
96 NOT DETECTED, LESS THAN, OR TRACE VALUES.
2 NOT DETECTED, LESS THAN, OR TRACE VALUES.
96 SAMPLES AND 96 ANALYTICAL VALUES.
96 NOT DETECTED, LESS THAN, OR TRACE VALUES.
96 SAMPLES AND 96 ANALYTICAL VALUES.
68 NOT DETECTED, LESS THAN, OR TRACE VALUES.
96 SAMPLES AND 96 ANALYTICAL VALUES.
94 NOT DETECTED, LESS THAN, OR TRACE VALUES.

0 REPORTED VALUES. NO COMPUTATIONS.
0 REPORTED VALUES. NO COMPUTATIONS.
94 REPORTED VALUES.
0 REPORTED VALUES. NO COMPUTATIONS.
28 REPORTED VALUES.
2 REPORTED VALUES. NO COMPUTATIONS.