

Certificate of Analysis

MEG, LLC

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Au.26.01-ME

Certified Reference Material

MEAN =	0.479	ppm Au	Fire Assay
95% Confidence =	0.411	to	0.546
MEAN =	75.5	ppm Ag	Aqua Regia
95% Confidence =	66.6	to	84.4

Prepared By: MEG LLC
Certified By: Ajeet Milliard, PhD.
Manufactured for: MEG LLC
Date of Certification: Tuesday, September 22, 2026

Origin of Reference Material:

Geochemical Reference Material Au.26.01 was prepared from mineralized material from a LS epithermal system near Tonopah, Nevada. This material is not intended to be matrix-matched to any specific ore lithology.

Method of Preparation:

110 kg of naturally mineralized rock was dried at 100C, jaw crushed, and roll crushed to -400 um.

The batch was comminuted to powder in a ceramic ball mill.

Sizing tests of the final product show greater than 92% pass -74um (-200 mesh).

The standard was packaged in 25 gram sachets with a removable sticky-label.

Method of Analysis:

Ten (10) samples were sent to ten (10) labs and analyzed using 4-acid digestion and ICP-MS or ICP-AES for multi-element values. Gold is by fire assay, silver is by aqua regia / two-acid.

Summarized Results:

PROJECT: Au.26.01-ME

ALL DATA

4-Acid	Au (ppm)	Ag (ppm)	As (ppm)	Cu (ppm)	Mn (ppm)	S (ppm)	Sb (ppm)
COUNT	80	72	81	87	89	89	84
LAB AVERAGE	0.485	74.53	147.17	377.66	1658.98	7909.57	116.85
SD	0.030	4.07	7.75	11.00	70.69	212.08	5.30
RSD	6.3	5.5	5.27	2.9	4.3	2.7	4.5
10%	0.049	7.5	14.72	37.77	165.90	790.96	11.69
2SD	0.546	82.66	162.68	399.66	1800.37	8333.73	127.45
+10%	0.534	81.98	161.89	415.43	1824.88	8700.53	128.54
-10%	0.437	67.08	132.45	339.90	1493.09	7118.62	105.17
+2SD	0.546	82.66	162.68	399.66	1800.37	8333.73	127.45
-2SD	0.424	66.40	131.66	355.67	1517.60	7485.42	106.26
MAXIMUM	0.536	86.60	207.00	420.00	1860.00	8600.00	127.40
MINIMUM	0.391	65.60	134.00	330.30	1378.00	7000.00	104.40

LAB DATA

4-Acid	Au (ppm)	Ag (ppm)	As (ppm)	Cu (ppm)	Mn (ppm)	S (ppm)	Sb (ppm)
COUNT	9	8	9	9	9	9	9
LAB AVERAGE	0.479	75.52	153.15	377.67	1660.84	7912.92	116.40
SD	0.034	4.45	19.23	6.52	64.14	151.13	4.92
RSD	7.1	5.9	12.6	1.7	3.9	1.9	4.2
10%	0.048	7.55	15.3	37.77	166.08	791.29	11.64
2SD	0.068	8.89	38.45	13.05	128.27	302.26	9.83
+10%	0.526	83.08	168.47	415.44	1826.92	8704.22	128.04
-10%	0.431	67.97	137.84	339.91	1494.75	7121.63	104.76
+2SD	0.546	84.41	191.61	390.72	1789.11	8215.19	126.23
-2SD	0.411	66.63	114.70	364.63	1532.56	7610.66	106.57
MAXIMUM	0.521	85.87	207.00	385.56	1825.56	8211.11	125.04
MINIMUM	0.402	69.73	141.69	363.83	1597.50	7777.50	108.62

RSD SCALE

Certified

Provisional

Statistical Procedures:

Acceptable assay limits are based on the results of 10 samples from 10 laboratories.

The samples were submitted with other MEG standards in randomized order, so that as much as possible, real operating conditions were obtained from the participating laboratories. All of the data were used to determine an acceptable range, based on the mean and standard deviation of the "Lab Average Data".

The acceptable reporting range is the "95% Confidence Limit", which is the mean ± 2 standard deviations.

Other statistics are provided to help the user assign viable acceptance boundaries.

Standard Ratings:

RSD (Relative Standard Deviation) near or less than 5% - "Certified".

RSD's between 5% to 15% - "Provisional"

RSD's over 15% - "Informational"

Instructions and Recommendations for Use:

Submit the entire contents of one 25 g sachet in random locations within a submittal, approximately every 10-20 samples.

Use of blanks (samples with "below detection" concentration of analyte) are also recommended, randomly placed every 30-40 samples.

The analytical request should be the same as that used for the round robin assays that generated this certificate.

Intended Use:

The standard material can be used to validate the analysis of samples of similar matrix and grade.

The recommended concentrations and limits for this material are based on multiple assays from several laboratories and reflect a consensus of the inherent chemical concentration. These values are a first attempt at a chemical characterization to which later data may be added as experience with the material increases.

Slight variations in analytical procedures between laboratories will result in slight biases to the recommended statistical limits.

This standard material is not recommended for method development, nor instrumental calibration.

Handling Instructions:

The material is packaged in foil line, laminated sachets to minimize weathering or oxidation. The material should be reblended just prior to use in the assay laboratory. This can be done with a micro-riffle splitter or rubber sheeting.

Simple agitation and shaking is not sufficient to rehomogenize prior to use.

Normal safety precautions for handling powders are recommended. The use of safety glasses, dust inhalation protection, gloves, and a laboratory coat are suggested.

Safety Notice:

A Material Safety Data Sheet (MSDS) is not required for this material. This material will not release or otherwise result in exposure to a hazardous chemical, under normal conditions of use.

Use regular precautions as for any work with fine powder material; gloves, appropriate mask or respirator, and safety glasses.

Legal Notice:

This certificate and the reference material have been prepared with due care and attention. However, MEG LLC, and Ajeet Milliard, PhD., accept no liability for any decisions or actions taken following the use of this reference material.

Major Constituents as Oxides

Average of 100 samples: 4-acid, ICP-AES

Raw Data:	Al%	Ca%	Fe%	K%	Mg%	Na%	S%	Ti%	Si%
ICP/MS Data (n=10)	4.64	1.43	1.51	2.73	0.41	0.22	0.79	0.14	-
Conversion Factor	1.89	1.40	1.43	1.20	1.66	1.35	2.50	1.67	2.14
	Al₂O₃	CaO	Fe₂O₃	K₂O	MgO	Na₂O	SO₃	TiO₂	SiO₂ estimated
% Oxide:	8.76	2.00	2.16	3.28	0.68	0.29	1.97	0.23	80.85

Participating Laboratories:

American Assay Labs (Sparks)	Bureau Veritas (Vancouver)
Activation Laboratories (Thunder Bay)	Intertek (Perth)
Activation Laboratories (Ancaster)	MSA LABS (Langley, BC)
ALS (Vancouver)	Skyline (Tucson)
ALS (Loughrea)	SGS (Burnaby)

Certified By:

Ajeet Milliard, Ph.D.

Analytical Data for Au.26.01 (MEG CRM)

Companion analytical data tables to the Certificate of Analysis — four-acid / multi-element round-robin (plus Au FA and Ag AR)

Source: 4Acid Lab Averages Au.26.01-ME (accepted values after Bad exclusions; blank = excluded or NR). Lab 8 omitted (no data).

Table A1. Abbreviations and method codes

Abbreviation	Meaning
Std.Dev.	Standard deviation (sample; n-1) of accepted replicate results
Rel.Std.Dev. (%)	Relative standard deviation = $100 \times \text{Std.Dev.} / \text{Mean}$
Mean	Uncorrected arithmetic mean of accepted values (after Bad exclusions)
Median	Median of accepted values
n	Number of accepted replicate results
4A	Four-acid digestion (HNO ₃ -HF-HClO ₄ -HCl) with ICP-OES/MS finish
FA	Fire assay (Pb collection) — Au method Au-AA23 / equivalent
AR	Aqua regia / 2-acid digestion
ME	Multi-element suite
NR	Not reported / no data
Bad / blank	Value excluded during QC review or not reported by laboratory
1, 2, 3, 4, 5, 6, 7, 9, 10	Participating laboratory numbers (Lab 1-7, Lab 9-10; Lab 8 omitted - no data)
ppm	Parts per million (mg/kg)
CRM	Certified Reference Material
COA	Certificate of Analysis

Table A2. Index of analytical data tables

Table	Element	Unit	Method	n (accepted)	Sheet row
1	Au	ppm	FA (fire assay)	80	75
2	Ag_AR	ppm	AR (aqua regia / 2-acid)	72	94
3	Ag	ppm	4A (four-acid ME)	89	113
4	Al	ppm	4A (four-acid ME)	89	132
5	As	ppm	4A (four-acid ME)	81	151
6	Ba	ppm	4A (four-acid ME)	80	170
7	Be	ppm	4A (four-acid ME)	83	189
8	Bi	ppm	4A (four-acid ME)	65	208
9	Ca	ppm	4A (four-acid ME)	87	227

10	Cd	ppm	4A (four-acid ME)	82	246
11	Ce	ppm	4A (four-acid ME)	57	265
12	Co	ppm	4A (four-acid ME)	89	284
13	Cr	ppm	4A (four-acid ME)	80	303
14	Cs	ppm	4A (four-acid ME)	47	322
15	Cu	ppm	4A (four-acid ME)	87	341
16	Fe	ppm	4A (four-acid ME)	89	360
17	Ga	ppm	4A (four-acid ME)	77	379
18	Hf	ppm	4A (four-acid ME)	59	398
19	K	ppm	4A (four-acid ME)	86	417
20	La	ppm	4A (four-acid ME)	87	436
21	Li	ppm	4A (four-acid ME)	76	455
22	Mg	ppm	4A (four-acid ME)	89	474
23	Mn	ppm	4A (four-acid ME)	89	493
24	Mo	ppm	4A (four-acid ME)	85	512
25	Na	ppm	4A (four-acid ME)	89	531
26	Nb	ppm	4A (four-acid ME)	58	550
27	Ni	ppm	4A (four-acid ME)	88	569
28	P	ppm	4A (four-acid ME)	89	588
29	Pb	ppm	4A (four-acid ME)	89	607
30	Rb	ppm	4A (four-acid ME)	59	626
31	S	ppm	4A (four-acid ME)	89	645

32	Sb	ppm	4A (four-acid ME)	84	664
33	Sc	ppm	4A (four-acid ME)	78	683
34	Sn	ppm	4A (four-acid ME)	60	702
35	Sr	ppm	4A (four-acid ME)	89	721
36	Ta	ppm	4A (four-acid ME)	59	740
37	Te	ppm	4A (four-acid ME)	57	759
38	Th	ppm	4A (four-acid ME)	75	778
39	Ti	ppm	4A (four-acid ME)	89	797
40	Tl	ppm	4A (four-acid ME)	59	816
41	U	ppm	4A (four-acid ME)	60	835
42	V	ppm	4A (four-acid ME)	89	854
43	W	ppm	4A (four-acid ME)	89	873
44	Y	ppm	4A (four-acid ME)	80	892
45	Zn	ppm	4A (four-acid ME)	89	911
46	Zr	ppm	4A (four-acid ME)	80	930

Analytical results by element

Columns = participating laboratories (numbered Lab 1, 2, 3, ... for anonymity); rows = replicate samples (Sample No. 1-10 / SORT KEY order). Footer statistics are pooled across all accepted cells.

Table 1. Au (ppm) — FA (fire assay)

Sample	1	2	3	4	5	6	7	9	10
1		0.401	0.437	0.487	0.522	0.462	0.524	0.489	0.473
2	0.516		0.455	0.485	0.508	0.488	0.517	0.468	0.536
3	0.486		0.460	0.489	0.530	0.470	0.519	0.496	0.398
4	0.498		0.457	0.472	0.505	0.462	0.529	0.493	0.445
5	0.501			0.475	0.528	0.495	0.519	0.508	0.471
6	0.500		0.480	0.477	0.511	0.454	0.526	0.490	0.477
7	0.497		0.452	0.481	0.496	0.484	0.524	0.495	0.460
8	0.511		0.451	0.482	0.514	0.485	0.519	0.502	0.474
9	0.493	0.413	0.465	0.486	0.517	0.473	0.510	0.492	0.468
10		0.391	0.452	0.473	0.512	0.498	0.521	0.476	0.452
Mean	0.485								
Median	0.488								
Std.Dev.	0.031								
Rel.Std.Dev. (%)	6.29								
n	80								

Blank cells = Bad-excluded or NR. Mean is uncorrected mean of accepted values.

Table 2. Ag_AR (ppm) — AR (aqua regia / 2-acid)

Sample	1	2	3	4	5	6	7	9	10
1		70.200	74.200	78.000	77.000	72.200	68.350	72.300	
2			72.900	76.000	76.100	66.900	74.030	72.100	
3	86.600	79.800	73.600	76.200	77.400	65.600	73.090	71.600	
4		79.600	73.400	77.000	76.900	67.500	77.200	71.900	
5		77.000	71.900	75.200	77.900	73.000	72.910	72.500	
6	86.400	66.600	73.900	76.500	77.100	73.100	75.410	71.300	
7		74.600	75.400	75.300	76.200	72.800	74.600	72.400	
8		78.900	78.400	74.400	77.100	66.100	76.220	72.500	
9	84.600	69.400	79.100	74.400	76.600	67.400	71.720	71.400	
10		74.900	78.200	75.900	76.900	72.700	77.710	72.000	
Mean	74.531								
Median	74.500								
Std.Dev.	4.094								
Rel.Std.Dev. (%)	5.49								
n	72								

Blank cells = Bad-excluded or NR. Mean is uncorrected mean of accepted values.

Table 3. Ag (ppm) — 4A (four-acid ME)

Sample	1	2	3	4	5	6	7	9	10
1	85.400	77.400	76.400	76.100	75.300	74.500	76.490	71.200	78.700
2	85.400	77.200	77.200	77.600	77.500	76.200	74.640	71.100	78.170
3	78.700	76.900	75.900	77.000	77.100	76.800	75.110	73.900	79.240
4	85.300	79.300	78.500	77.500	76.900	79.700	73.420	74.400	79.370
5	81.800	76.800	76.500	77.400	77.200	74.700	73.720	74.600	78.370
6	86.000	78.800	75.100	79.700	75.900	66.800	76.810	74.400	77.730
7	84.700	78.500	75.000	78.600	76.600	76.200	75.470	71.700	78.950
8	85.900	76.600	76.800	76.500	75.700	74.800	74.100	73.800	77.680
9	85.400	76.300	76.300	76.300	75.700	74.500	74.590	74.100	78.580
10		78.300	77.100	76.900	78.200	75.900	74.300	73.800	77.300
Mean	77.023								
Median	76.800								
Std.Dev.	3.277								
Rel.Std.Dev. (%)	4.25								
n	89								

Blank cells = Bad-excluded or NR. Mean is uncorrected mean of accepted values.

Table 4. Al (ppm) — 4A (four-acid ME)

Sample	1	2	3	4	5	6	7	9	10
1	45,800	45,100	47,300	46,800	46,400	45,300	49,485	44,400	47,188
2	45,000	45,400	47,700	48,300	48,100	46,000	48,820	41,600	47,032
3	42,300	45,300	46,700	47,500	47,900	46,400	49,272	42,500	47,593
4	44,600	46,200	48,300	48,900	48,200	48,400	48,103	43,000	47,437
5	44,300	45,700	47,600	48,800	47,900	45,400	49,003	42,800	47,376
6	45,600	46,200	46,300	47,800	47,300	41,000	49,463	44,800	47,228
7	44,300	46,100	46,200	48,100	47,600	45,400	48,849	42,200	47,201
8	44,300	45,200	47,500	47,900	46,600	44,800	48,850	43,600	46,452
9	44,800	44,300	46,000	46,700	47,200	44,400	48,056	44,500	47,195
10		45,600	47,100	47,800	48,100	46,100	48,117	43,500	47,087
Mean	46,366								
Median	46,700								
Std.Dev.	1,904								
Rel.Std.Dev. (%)	4.11								
n	89								

Blank cells = Bad-excluded or NR. Mean is uncorrected mean of accepted values.

Table 5. As (ppm) — 4A (four-acid ME)

Sample	1	2	3	4	5	6	7	9	10
1		145.0	148.0	147.0	146.0	145.0	146.1	139.1	148.0
2		146.0	149.0	148.5	151.5	146.0	144.7	143.5	150.0
3		144.0	145.0	154.5	149.5	146.0	146.2	139.8	151.0
4		149.0	152.0	152.0	149.0	152.0	143.9	142.5	153.0
5	207.0	145.0	151.0	149.5	151.0	140.0	144.4	142.9	147.0
6		149.0	145.0	153.5	146.5	134.0	148.3	144.4	145.0
7		147.0	144.0	152.5	145.5	144.0	144.6	136.2	149.0
8		147.0	148.0	148.5	145.0	141.0	142.5	143.1	150.0
9		143.0	146.0	152.0	147.5	139.0	147.5	140.5	145.0
10		147.0	145.0	149.5	150.0	143.0	143.8	144.9	153.0
Mean	147.2								
Median	146.1								
Std.Dev.	7.8								
Rel.Std.Dev. (%)	5.30								
n	81								

Blank cells = Bad-excluded or NR. Mean is uncorrected mean of accepted values.

Table 6. Ba (ppm) — 4A (four-acid ME)

Sample	1	2	3	4	5	6	7	9	10
1	1030.0	1020.0	1040.0	980.0	960.0		982.0	973.0	950.0
2	1010.0	1040.0	1040.0	1010.0	980.0		977.6	974.0	952.0
3	950.0	1030.0	1030.0	990.0	980.0		968.5	980.0	960.0
4	1000.0	1050.0	1060.0	1010.0	980.0		965.8	989.0	962.0
5	1000.0	1020.0	1050.0	1010.0	970.0		952.7	985.0	954.0
6	1020.0	1050.0	1020.0	1020.0	960.0	749.0	1005.5	980.0	951.0
7	1000.0	1040.0	1010.0	1010.0	960.0		978.9	994.0	951.0
8	1000.0	1030.0	1030.0	990.0	940.0		957.6	984.0	938.0
9	1010.0	1010.0	1010.0	990.0	960.0		992.8	984.0	952.0
10		1040.0	1040.0	1000.0	990.0		976.3	991.0	947.0
Mean	990.3								
Median	990.0								
Std.Dev.	41.2								
Rel.Std.Dev. (%)	4.16								
n	80								

Blank cells = Bad-excluded or NR. Mean is uncorrected mean of accepted values.

Table 7. Be (ppm) — 4A (four-acid ME)

Sample	1	2	3	4	5	6	7	9	10
1	2.200	1.900	1.900	1.880	1.850	2.000	1.770	2.000	1.840
2		1.900	1.900	1.930	1.870	2.000	1.930	2.000	1.860
3		1.900	1.900	1.900	1.840	2.000	1.780	2.000	1.850
4	1.700	1.900	1.900	1.900	1.840	2.000	1.840	2.000	1.820
5		1.900	1.900	1.930	1.890	2.000	1.810	2.000	1.790
6		2.000	1.800	1.970	1.830	2.000	1.830	2.000	1.770
7	2.200	1.900	1.800	1.940	1.850	2.000	1.750	2.000	1.850
8		1.900	1.900	1.890	1.800	2.000	1.860	2.000	1.800
9		1.900	1.900	1.950	1.840	2.000	1.900	2.000	1.730
10		2.000	1.900	1.910	1.870	2.000	1.720	2.000	1.900
Mean	1.906								
Median	1.900								
Std.Dev.	0.092								
Rel.Std.Dev. (%)	4.82								
n	83								

Blank cells = Bad-excluded or NR. Mean is uncorrected mean of accepted values.

Table 8. Bi (ppm) — 4A (four-acid ME)

Sample	1	2	3	4	5	6	7	9	10
1				0.5	0.4	0.4	0.4	0.4	0.5
2				0.5	0.5	0.4	0.4	0.4	0.5
3	2.0			0.5	0.5	0.4	0.5	0.4	0.5
4				0.5	0.4	0.5	0.4	0.4	0.4
5	2.0			0.5	0.4	0.4	0.4	0.4	0.4
6				0.4	0.4	0.4	0.4	0.4	0.5
7			2.0	0.5	0.6	0.4	0.4	0.4	0.5
8				0.4	0.4	0.4	0.4	0.4	0.4
9	2.0		2.0	0.4	0.4	0.4	0.5	0.4	0.4
10				0.4	0.4	0.4	0.4	0.4	0.4
Mean	0.6								
Median	0.4								
Std.Dev.	0.4								
Rel.Std.Dev. (%)	75.83								
n	65								

Blank cells = Bad-excluded or NR. Mean is uncorrected mean of accepted values.

Table 9. Ca (ppm) — 4A (four-acid ME)

Sample	1	2	3	4	5	6	7	9	10
1	14500.0	15100.0	14200.0	13900.0	13900.0	14200.0	14508.0	14200.0	13285.0
2	15000.0	15000.0	14500.0	14400.0	14500.0	14400.0	14448.0	13800.0	13335.0
3	13900.0	15200.0	14300.0	14100.0	14300.0	14500.0	14482.0	13700.0	13406.0
4	14700.0	14800.0	14900.0	14300.0	14400.0	15100.0	14254.0	13900.0	13377.0
5	14100.0	15000.0	14500.0	14500.0	14300.0	14200.0	14244.0	13800.0	13334.0
6	14900.0	15200.0	13900.0	14500.0	14100.0		14787.0	14100.0	13310.0
7	14400.0	15200.0	14200.0	14400.0	14200.0	14300.0	14332.0	14200.0	13293.0
8	14600.0	14700.0	14200.0	14200.0	14000.0	14000.0	13954.0	14000.0	
9	14800.0	14700.0	14000.0	14200.0	14100.0	13700.0	14039.0	14300.0	13310.0
10		15100.0	14400.0	14300.0	14500.0	14400.0	14318.0	13800.0	13278.0
Mean	14264.3								
Median	14300.0								
Std.Dev.	481.2								
Rel.Std.Dev. (%)	3.37								
n	87								

Blank cells = Bad-excluded or NR. Mean is uncorrected mean of accepted values.

Table 10. Cd (ppm) — 4A (four-acid ME)

Sample	1	2	3	4	5	6	7	9	10
1		1.300	1.400	1.360	1.220	1.200	1.290	1.300	1.280
2		1.300	1.400	1.320	1.260	1.300	1.210	1.500	1.180
3	1.700	1.300	1.400	1.380	1.270	1.200	1.230	1.400	1.240
4		1.300	1.400	1.380	1.260	1.200	1.270	1.600	1.210
5		1.300	1.400	1.340	1.350	1.100	1.210	1.500	1.250
6	1.700	1.400	1.300	1.340	1.260	1.200	1.280	1.500	1.210
7		1.300	1.300	1.360	1.200	1.100	1.190	1.500	1.260
8		1.400	1.300	1.380	1.280	1.200	1.170	1.500	1.230
9		1.300	1.300	1.300	1.240	1.300	1.240	1.600	1.230
10		1.400	1.300	1.330	1.240	1.200	1.250	1.600	1.300
Mean	1.317								
Median	1.300								
Std.Dev.	0.120								
Rel.Std.Dev. (%)	9.11								
n	82								

Blank cells = Bad-excluded or NR. Mean is uncorrected mean of accepted values.

Table 11. Ce (ppm) — 4A (four-acid ME)

Sample	1	2	3	4	5	6	7	9	10
1					43.30	43.00	41.85	40.00	42.62
2				43.90	42.60	42.00	40.78		43.56
3				43.80	44.00	43.00	41.87	41.00	42.13
4				45.00	42.70	45.00	41.01	41.00	42.77
5				44.70	43.80	41.00	41.15	41.00	42.84
6				44.60	42.80		41.27	42.00	41.38
7				45.50	42.70	42.00	41.30	40.00	42.29
8				45.20	42.70	40.00	40.90	42.00	43.52
9				40.50	41.70	43.00	41.12	42.00	41.15
10				43.50	42.70	42.00	40.29	42.00	43.35
Mean	42.37								
Median	42.13								
Std.Dev.	1.39								
Rel.Std.Dev. (%)	3.28								
n	57								

Blank cells = Bad-excluded or NR. Mean is uncorrected mean of accepted values.

Table 12. Co (ppm) — 4A (four-acid ME)

Sample	1	2	3	4	5	6	7	9	10
1	3.000	4.000	3.000	4.000	4.000	3.900	3.700	3.700	3.900
2	4.000	4.000	4.000	4.000	3.900	3.900	3.800	3.900	3.700
3	3.000	3.000	4.000	4.000	4.000	3.900	3.800	3.800	3.900
4	3.000	3.000	3.000	4.100	3.900	4.100	3.700	3.800	3.800
5	3.000	4.000	3.000	4.000	4.100	3.800	3.800	3.800	3.700
6	3.000	4.000	3.000	4.100	3.900	3.200	3.900	4.200	3.700
7	3.000	4.000	3.000	4.100	3.800	3.900	3.700	3.900	3.800
8	3.000	4.000	3.000	4.000	3.900	3.800	3.900	3.900	3.800
9	4.000	4.000	3.000	3.800	3.900	3.900	3.700	3.800	3.600
10		3.000	3.000	4.000	3.900	3.900	3.700	3.700	3.800
Mean	3.703								
Median	3.800								
Std.Dev.	0.381								
Rel.Std.Dev. (%)	10.28								
n	89								

Blank cells = Bad-excluded or NR. Mean is uncorrected mean of accepted values.

Table 13. Cr (ppm) — 4A (four-acid ME)

Sample	1	2	3	4	5	6	7	9	10
1		3.00	3.00	5.00	4.00	4.00	5.60	5.00	4.00
2		4.00	3.00	5.00	4.00	4.00	5.40	5.00	3.00
3		4.00	3.00	5.00	4.00	4.00	5.70	4.00	4.00
4		3.00	3.00	5.00	4.00	4.00	7.50	4.00	5.00
5		4.00	3.00	5.00	5.00	4.00	5.40	4.00	3.00
6		4.00	3.00	5.00	5.00	3.00	5.20	4.00	6.00
7		4.00	2.00	5.00	4.00	4.00	5.40	4.00	4.00
8		3.00	3.00	5.00	4.00	4.00	5.30	4.00	4.00
9		6.00	3.00	5.00	4.00	4.00	5.20	4.00	4.00
10		4.00	2.00	5.00	4.00	4.00	5.30	4.00	4.00
Mean	4.21								
Median	4.00								
Std.Dev.	0.95								
Rel.Std.Dev. (%)	22.54								
n	80								

Blank cells = Bad-excluded or NR. Mean is uncorrected mean of accepted values.

Table 14. Cs (ppm) — 4A (four-acid ME)

Sample	1	2	3	4	5	6	7	9	10
1				8.800	8.080		8.680	9.900	8.340
2				8.820	8.000		8.680	9.400	8.390
3				8.890	8.150		8.630		8.320
4				8.980	8.170		8.420	10.000	8.500
5				8.780	8.290		8.430	9.700	8.310
6				8.920	8.120		8.560	10.000	8.050
7				9.040	8.070		8.450	9.200	8.360
8				8.960	8.030		8.300	10.000	8.230
9				8.590	7.950		8.550		8.140
10				8.830	8.160		8.400		8.530
Mean	8.640								
Median	8.500								
Std.Dev.	0.558								
Rel.Std.Dev. (%)	6.46								
n	47								

Blank cells = Bad-excluded or NR. Mean is uncorrected mean of accepted values.

Table 15. Cu (ppm) — 4A (four-acid ME)

Sample	1	2	3	4	5	6	7	9	10
1	384.00	371.00	377.00	370.00	374.00	379.30	384.80	372.20	383.00
2	388.00	372.00	380.00	376.00	382.00	386.90	381.80	368.20	392.00
3	361.00	372.00	375.00	373.00	387.00	382.50	403.30	365.30	387.00
4	384.00	373.00	387.00	383.00	385.00	402.10	376.70	363.30	386.00
5	371.00		382.00	380.00	384.00	374.60	383.80	363.20	383.00
6	388.00	381.00	370.00	384.00	379.00	330.30	382.30	360.50	383.00
7	384.00	376.00	366.00	375.00	383.00	381.80	382.00	360.70	384.00
8	390.00	368.00	379.00	370.00	373.00	377.30	381.00	361.30	378.00
9	420.00	367.00	367.00	371.00	377.00	370.50	382.90	363.00	384.00
10		372.00		377.00	388.00	376.50	380.00	360.60	382.00
Mean	377.66								
Median	379.00								
Std.Dev.	11.06								
Rel.Std.Dev. (%)	2.93								
n	87								

Blank cells = Bad-excluded or NR. Mean is uncorrected mean of accepted values.

Table 16. Fe (ppm) — 4A (four-acid ME)

Sample	1	2	3	4	5	6	7	9	10
1	17,600	14,800	14,900	14,500	14,500	14,800	14,790	14,500	15,532
2	17,800	14,900	15,000	14,800	15,000	15,000	15,000	14,800	15,491
3	16,200	14,900	14,700	14,600	14,800	15,100	15,200	14,400	15,657
4	17,300	15,100	15,200	14,900	14,800	15,700	14,640	14,600	15,582
5	17,000	14,900	15,000	14,900	14,800	14,600	14,870	14,400	15,497
6	17,600	15,200	14,500	15,100	14,700	13,000	15,040	14,500	15,588
7	17,100	15,000	14,500	14,800	14,800	15,000	14,800	14,400	15,644
8	17,500	14,700	14,800	14,700	14,400	14,600	15,200	14,500	15,286
9	17,300	14,600	14,500	14,600	14,600	14,700	15,100	14,600	15,526
10		15,000	14,900	14,700	14,900	15,000	14,940	14,400	15,491
Mean	15,111								
Median	14,900								
Std.Dev.	832								
Rel.Std.Dev. (%)	5.50								
n	89								

Blank cells = Bad-excluded or NR. Mean is uncorrected mean of accepted values.

Table 17. Ga (ppm) — 4A (four-acid ME)

Sample	1	2	3	4	5	6	7	9	10
1	10.00	12.00	15.00	12.70	12.35		12.98	13.00	13.41
2	10.00	12.00	14.00	12.80	12.30		12.80	13.00	13.44
3	10.00	10.00	15.00	12.90	12.45		12.82	14.00	13.64
4	10.00	11.00	15.00	13.30	12.35		12.76	14.00	13.54
5	10.00	11.00		12.85	12.65		12.52	13.00	13.07
6	10.00	12.00	15.00	12.90	12.15		12.99	14.00	13.35
7	10.00	12.00	13.00	12.95	12.00		12.65	13.00	13.11
8	10.00		15.00	13.00	12.05		12.44	14.00	13.37
9	10.00	12.00	13.00	12.40	11.95		12.76	14.00	12.89
10		12.00	13.00	12.80	12.20		12.62	14.00	13.67
Mean	12.60								
Median	12.80								
Std.Dev.	1.30								
Rel.Std.Dev. (%)	10.30								
n	77								

Blank cells = Bad-excluded or NR. Mean is uncorrected mean of accepted values.

Table 18. Hf (ppm) — 4A (four-acid ME)

Sample	1	2	3	4	5	6	7	9	10
1				1.800	2.000	1.300	2.020	1.300	1.640
2				1.900	2.000	1.400	1.760	1.500	1.590
3				1.800	2.000	1.500	1.900	1.400	1.630
4				1.900	1.900	1.400	1.890	1.500	1.690
5				2.000	2.000	1.400	1.890	1.400	1.620
6				1.900	2.000		2.060	1.500	1.690
7				1.800	2.000	1.200	1.730	1.500	1.760
8				1.800	2.000	1.300	1.690	1.500	1.710
9				1.900	2.000	1.400	1.870	1.400	1.680
10				1.900	2.000	1.300	1.840	1.500	1.520
Mean	1.703								
Median	1.730								
Std.Dev.	0.244								
Rel.Std.Dev. (%)	14.30								
n	59								

Blank cells = Bad-excluded or NR. Mean is uncorrected mean of accepted values.

Table 19. K (ppm) — 4A (four-acid ME)

Sample	1	2	3	4	5	6	7	9	10
1	32,600	25,800	28,600	26,400	26,300	25,900	26,774	26,200	27,177
2		26,300	29,100	27,000	27,000	26,400	26,638	26,400	27,627
3		26,400	28,500	26,800	26,900	26,800	26,903	25,900	27,982
4	32,900	26,300	29,200	27,300	26,700	27,300	26,266	26,100	27,987
5	32,700	26,200	28,800	27,300	26,800	25,800	26,479	26,100	27,814
6	32,700	26,500	28,200	27,000	26,500	25,200	26,923	26,400	27,698
7	33,500	26,200	28,200	26,800	26,500	26,200	26,659	26,100	27,786
8	31,500	26,100	28,600	26,600	26,200	25,900	26,538	26,200	27,280
9		25,800	28,300	26,500	26,400	25,800	26,218	26,300	27,726
10		26,400	28,900	26,800	27,000	26,400	26,356	26,100	27,653
Mean	27,268								
Median	26,680								
Std.Dev.	1,715								
Rel.Std.Dev. (%)	6.29								
n	86								

Blank cells = Bad-excluded or NR. Mean is uncorrected mean of accepted values.

Table 20. La (ppm) — 4A (four-acid ME)

Sample	1	2	3	4	5	6	7	9	10
1	20.00	23.00	23.00	24.20	21.30	24.10	21.99	23.00	21.91
2	20.00	23.00	23.00	23.80	21.10	23.10	21.56	21.00	22.16
3	20.00	23.00	23.00	23.40	21.70	23.90	22.03	23.00	22.21
4	20.00	23.00	23.00	24.50	21.80	24.00	21.63	23.00	22.48
5	20.00	23.00	23.00	24.30	21.80	22.10	21.80	23.00	21.93
6	20.00	23.00	22.00	23.70	21.80		21.86		21.75
7	20.00	23.00	22.00	24.10	21.20	22.90	21.63	23.00	22.01
8	20.00	23.00	23.00	24.20	20.70	22.00	21.66	24.00	22.07
9	20.00	22.00	22.00	22.30	21.40	22.50	22.00	24.00	21.14
10		23.00	22.00	23.80	21.30	22.90	21.43	23.00	22.89
Mean	22.30								
Median	22.16								
Std.Dev.	1.17								
Rel.Std.Dev. (%)	5.25								
n	87								

Blank cells = Bad-excluded or NR. Mean is uncorrected mean of accepted values.

Table 21. Li (ppm) — 4A (four-acid ME)

Sample	1	2	3	4	5	6	7	9	10
1		57.000	58.000	58.000	57.500	55.200	61.400	61.700	55.000
2		57.000	60.000	60.900	59.000	56.400	60.100	61.800	55.000
3		58.000	58.000	59.200	58.100	56.900	59.900	63.800	55.000
4		58.000	59.000	58.900	58.600	59.200	60.900		55.000
5		57.000	59.000	60.000	58.800	54.400	60.500	64.200	55.000
6		58.000	58.000	61.300	58.400		60.800		55.000
7		58.000	57.000	60.400	58.200	55.300	59.700	60.700	55.000
8		58.000	58.000	59.000	57.600	54.800	61.500	64.100	54.000
9		56.000	58.000	59.100	57.600	54.100	60.700	63.700	55.000
10		58.000	59.000	59.400	59.100	55.400	59.600		54.000
Mean	58.328								
Median	58.050								
Std.Dev.	2.477								
Rel.Std.Dev. (%)	4.25								
n	76								

Blank cells = Bad-excluded or NR. Mean is uncorrected mean of accepted values.

Table 22. Mg (ppm) — 4A (four-acid ME)

Sample	1	2	3	4	5	6	7	9	10
1	4300.0	4100.0	4200.0	4000.0	4000.0	4000.0	4167.0	4200.0	4080.0
2	4300.0	4100.0	4300.0	4100.0	4100.0	4000.0	4142.0	4200.0	4064.0
3	3800.0	4100.0	4200.0	4000.0	4100.0	4100.0	4221.0	4100.0	4112.0
4	4300.0	4200.0	4300.0	4000.0	4100.0	4200.0	4118.0	4200.0	4108.0
5	4200.0	4100.0	4300.0	4100.0	4100.0	3900.0	4186.0	4200.0	4099.0
6	4600.0	4200.0	4200.0	4100.0	4000.0	3800.0	4202.0	4200.0	4086.0
7	4100.0	4200.0	4200.0	4100.0	4000.0	4000.0	4191.0	4200.0	4094.0
8	4300.0	4100.0	4300.0	4000.0	3900.0	3900.0	4119.0	4200.0	4028.0
9	4200.0	4000.0	4100.0	4000.0	4000.0	3900.0	3995.0	4200.0	4088.0
10		4100.0	4200.0	4000.0	4100.0	4000.0	4141.0	4100.0	4076.0
Mean	4115.9								
Median	4100.0								
Std.Dev.	121.3								
Rel.Std.Dev. (%)	2.95								
n	89								

Blank cells = Bad-excluded or NR. Mean is uncorrected mean of accepted values.

Table 23. Mn (ppm) — 4A (four-acid ME)

Sample	1	2	3	4	5	6	7	9	10
1	1850.00	1660.00	1690.00	1610.00	1630.00	1626.00	1617.50	1637.00	1661.00
2	1860.00	1680.00	1660.00	1645.00	1655.00	1619.00	1650.20	1600.00	1664.00
3	1720.00	1680.00	1650.00	1635.00	1655.00	1648.00	1631.00	1594.00	1684.00
4	1840.00	1690.00	1700.00	1655.00	1640.00	1685.00	1607.50	1593.00	1693.00
5	1790.00	1680.00	1700.00	1660.00	1665.00	1576.00	1631.00	1599.00	1672.00
6	1860.00	1690.00	1640.00	1650.00	1650.00	1378.00	1650.10	1613.00	1680.00
7	1810.00	1710.00	1620.00	1630.00	1660.00	1640.00	1612.40	1590.00	1677.00
8	1850.00	1660.00	1690.00	1615.00	1630.00	1593.00	1619.90	1603.00	1646.00
9	1850.00	1660.00	1620.00	1615.00	1635.00	1595.00	1620.80	1624.00	1671.00
10		1670.00	1660.00	1635.00	1675.00	1615.00	1616.20	1569.00	1663.00
Mean	1658.98								
Median	1650.00								
Std.Dev.	71.09								
Rel.Std.Dev. (%)	4.29								
n	89								

Blank cells = Bad-excluded or NR. Mean is uncorrected mean of accepted values.

Table 24. Mo (ppm) — 4A (four-acid ME)

Sample	1	2	3	4	5	6	7	9	10
1		335.00	339.00	326.00	316.00	322.10	320.60	328.00	344.00
2		334.00	339.00	334.00	326.00	332.00	322.07	334.00	343.00
3		333.00	337.00	329.00	322.00	330.10	324.22	333.00	349.00
4	241.00	342.00	351.00	329.00	324.00	340.80	317.08	342.00	356.00
5		335.00	342.00	334.00	324.00	316.40	318.40	341.00	337.00
6	248.00	342.00	335.00	338.00	322.00	265.00	320.63	341.00	338.00
7	242.00	340.00	333.00	335.00	321.00	327.70	315.04	330.00	348.00
8	251.00	335.00	342.00	329.00	317.00	318.70	316.10	342.00	346.00
9	243.00	331.00	335.00	330.00	319.00	316.20	320.15	335.00	343.00
10		337.00	337.00	329.00	330.00	324.60	314.68	346.00	354.00
Mean	326.18								
Median	332.00								
Std.Dev.	23.76								
Rel.Std.Dev. (%)	7.28								
n	85								

Blank cells = Bad-excluded or NR. Mean is uncorrected mean of accepted values.

Table 25. Na (ppm) — 4A (four-acid ME)

Sample	1	2	3	4	5	6	7	9	10
1	2,100	2,200	2,600	2,000	2,000	1,940	2,099	2,400	2,107
2	1,900	2,200	2,600	2,100	2,100	2,070	2,097	2,500	2,105
3	1,800	2,200	2,600	2,100	2,200	2,080	2,120	2,500	2,147
4	1,900	2,200	2,600	2,100	2,100	2,150	2,091	2,500	2,175
5	1,900	2,200	2,600	2,100	2,100	2,170	2,118	2,600	2,141
6	1,900	2,200	2,500	2,200	2,100	1,930	2,146	2,400	2,117
7	1,900	2,200	2,500	2,100	2,100	2,080	2,166	2,500	2,110
8	1,900	2,200	2,600	2,100	2,000	2,050	2,065	2,600	2,151
9	1,900	2,200	2,600	2,000	2,100	1,980	2,066	2,500	2,126
10		2,200	2,600	2,100	2,100	2,120	2,074	2,500	2,108
Mean	2,188								
Median	2,117								
Std.Dev.	211								
Rel.Std.Dev. (%)	9.64								
n	89								

Blank cells = Bad-excluded or NR. Mean is uncorrected mean of accepted values.

Table 26. Nb (ppm) — 4A (four-acid ME)

Sample	1	2	3	4	5	6	7	9	10
1				6.600	6.600	6.100	6.230	6.400	6.300
2				6.600	6.500	6.000	6.220	6.200	6.300
3				6.700	6.500	5.900	6.390	6.600	6.300
4				6.700	6.500	6.300	6.090	6.400	6.300
5				6.600	6.600		6.090	6.600	6.300
6				6.600	6.500		6.130	6.700	6.000
7				6.700	6.500	5.800	6.120	6.300	6.200
8				6.600	6.600	5.800	6.170	6.600	6.400
9				6.400	6.400	5.800	6.210	6.400	6.100
10				6.600	6.600	5.800	6.070	6.500	6.400
Mean	6.343								
Median	6.400								
Std.Dev.	0.255								
Rel.Std.Dev. (%)	4.01								
n	58								

Blank cells = Bad-excluded or NR. Mean is uncorrected mean of accepted values.

Table 27. Ni (ppm) — 4A (four-acid ME)

Sample	1	2	3	4	5	6	7	9	10
1	3.000	4.000	3.000	3.300	3.100	3.300	3.400	3.400	3.000
2	3.000	4.000	4.000	3.200	3.000	3.500	3.700	3.500	3.000
3	2.000	3.000	2.000	3.200	3.000	3.500	3.500	3.600	3.000
4	3.000	4.000	3.000	3.200	3.000	3.900	4.200	3.400	3.000
5	4.000	2.000	3.000	4.500	3.100	3.300	3.400	3.500	3.000
6	2.000		3.000	3.200	2.900	2.800	3.200	4.000	3.000
7	2.000	3.000	3.000	3.200	3.000	3.700	3.500	4.100	3.000
8	4.000	3.000	3.000	3.200	2.900	3.300	3.900	3.900	3.000
9	1.000	3.000	3.000	3.000	2.900	3.600	3.400	3.400	4.000
10		3.000	4.000	3.300	2.900	3.400	3.300	4.500	3.000
Mean	3.241								
Median	3.200								
Std.Dev.	0.564								
Rel.Std.Dev. (%)	17.41								
n	88								

Blank cells = Bad-excluded or NR. Mean is uncorrected mean of accepted values.

Table 28. P (ppm) — 4A (four-acid ME)

Sample	1	2	3	4	5	6	7	9	10
1	440	420	450	420	420	410	431	420	449
2	430	410	440	440	430	420	417	430	455
3	400	420	440	430	420	410	428	420	454
4	410	420	460	430	440	430	431	430	463
5	420	410	450	430	430	410	423	430	454
6	430	430	440	440	430	370	441	420	454
7	420	420	430	440	430	420	426	440	454
8	420	420	450	430	420	410	420	420	455
9	420	410	440	430	430	400	419	430	452
10		420	440	430	440	420	427	430	451
Mean	429								
Median	430								
Std.Dev.	15								
Rel.Std.Dev. (%)	3.55								
n	89								

Blank cells = Bad-excluded or NR. Mean is uncorrected mean of accepted values.

Table 29. Pb (ppm) — 4A (four-acid ME)

Sample	1	2	3	4	5	6	7	9	10
1	391.0	385.0	391.0	365.0	359.0	382.1	367.4	389.0	382.0
2	386.0	394.0	393.0	375.0	370.0	380.3	355.1	390.0	382.0
3	352.0	391.0	389.0	367.0	364.0	375.1	357.7	392.0	390.0
4	379.0	400.0	402.0	373.0	369.0	404.3	354.3	392.0	394.0
5	366.0	391.0	393.0	376.0	365.0	367.1	360.0	397.0	380.0
6	394.0	397.0	386.0	379.0	360.0	344.1	372.1	393.0	382.0
7	378.0	401.0	384.0	372.0	364.0	364.1	356.9	391.0	393.0
8	394.0	391.0	394.0	368.0	357.0	360.7	368.2	390.0	372.0
9	381.0	384.0	389.0	372.0	360.0	370.2	372.1	396.0	380.0
10		398.0	391.0	365.0	370.0	367.4	363.2	390.0	374.0
Mean	378.7								
Median	380.0								
Std.Dev.	14.0								
Rel.Std.Dev. (%)	3.69								
n	89								

Blank cells = Bad-excluded or NR. Mean is uncorrected mean of accepted values.

Table 30. Rb (ppm) — 4A (four-acid ME)

Sample	1	2	3	4	5	6	7	9	10
1				155.00	145.50	152.30	145.30		149.00
2				160.00	143.50	148.10	143.91	163.50	149.00
3				154.00	147.50	153.20	144.22	160.40	149.00
4				164.00	147.50	163.00	140.81	162.40	146.00
5				158.50	150.00	141.80	143.33	159.40	147.00
6				159.50	145.00	138.10	146.08	163.90	144.00
7				159.50	144.00	147.50	143.07	157.00	147.00
8				159.50	140.00	142.50	140.64	164.20	147.00
9				147.50	141.50	146.60	143.36	161.50	145.00
10				157.00	146.50	146.10	144.03	161.20	152.00
Mean	150.30								
Median	147.50								
Std.Dev.	7.58								
Rel.Std.Dev. (%)	5.04								
n	59								

Blank cells = Bad-excluded or NR. Mean is uncorrected mean of accepted values.

Table 31. S (ppm) — 4A (four-acid ME)

Sample	1	2	3	4	5	6	7	9	10
1	8,300	7,700	8,100	7,600	7,700	8,000	7,921	7,700	7,772
2	8,600	7,700	8,200	7,900	7,900	8,000	8,045	7,700	7,816
3	7,700	7,800	8,100	7,800	7,900	8,000	8,014	7,800	7,843
4	8,200	8,000	8,400	8,100	7,900	8,000	7,980	7,800	7,792
5	8,000	7,700	8,200	7,900	7,800	8,000	7,959	7,800	7,737
6	8,300	7,800	8,000	7,900	7,800	7,000	8,038	7,800	7,783
7	8,100	7,800	8,000	7,900	7,800	8,000	8,069	7,800	7,832
8	8,300	7,700	8,200	7,800	7,700	8,000	7,720	7,800	7,649
9	8,400	7,800	8,100	7,700	7,800	8,000	7,751	7,900	7,754
10		7,800	8,100	7,900	7,900	8,000	7,980	7,800	7,797
Mean	7,910								
Median	7,900								
Std.Dev.	213								
Rel.Std.Dev. (%)	2.70								
n	89								

Blank cells = Bad-excluded or NR. Mean is uncorrected mean of accepted values.

Table 32. Sb (ppm) — 4A (four-acid ME)

Sample	1	2	3	4	5	6	7	9	10
1	116.00	113.00	118.00	114.50	117.50	110.50	111.09	121.80	118.00
2	117.00	112.00	122.00	116.50	118.00	104.40	110.99	122.00	120.00
3	107.00	110.00	119.00	117.50	120.00	105.10	110.09	125.20	119.00
4	125.00	115.00	122.00	119.00	120.00	115.50	108.50	126.80	119.00
5	117.00	113.00	121.00	117.00	119.50		108.88	126.30	117.00
6	113.00	115.00	118.00	117.50	117.50		110.53	127.40	118.00
7	123.00	114.00	117.00	118.50	118.00	107.60	108.33	122.10	118.00
8	120.00	110.00	122.00	118.00	117.50		109.92	127.00	122.00
9	117.00	110.00	120.00	117.50	117.50		110.80	124.50	114.00
10		114.00	122.00	117.00	119.00		108.42	127.30	120.00
Mean	116.85								
Median	117.50								
Std.Dev.	5.33								
Rel.Std.Dev. (%)	4.56								
n	84								

Blank cells = Bad-excluded or NR. Mean is uncorrected mean of accepted values.

Table 33. Sc (ppm) — 4A (four-acid ME)

Sample	1	2	3	4	5	6	7	9	10
1		2.400	2.400	2.700	2.800	3.000	2.810	2.900	2.800
2		2.500	2.400	2.700	2.800	3.000	2.790	2.800	2.800
3		2.500	2.400	2.800	2.800	3.000	2.870	2.900	2.800
4		2.400	2.400	2.800	2.800	3.000	2.740	2.800	2.900
5		2.500	2.300	2.800	2.800	3.000	2.760	2.900	2.800
6		2.600	2.300	2.800	2.700		2.810	2.900	2.800
7		2.500	2.300	2.700	2.700	3.000	2.820	2.800	2.800
8		2.500	2.400	2.800	2.700	3.000	2.690	2.900	2.800
9		2.500	2.200	2.600	2.700		2.720	3.000	2.800
10		2.500	2.500	2.700	2.700	3.000	2.790	2.800	2.900
Mean	2.719								
Median	2.800								
Std.Dev.	0.200								
Rel.Std.Dev. (%)	7.34								
n	78								

Blank cells = Bad-excluded or NR. Mean is uncorrected mean of accepted values.

Table 34. Sn (ppm) — 4A (four-acid ME)

Sample	1	2	3	4	5	6	7	9	10
1				1.500	1.500	1.400	1.400	1.500	1.500
2				1.500	1.500	1.400	1.400	1.700	1.500
3				1.500	1.500	1.500	1.400	1.600	1.600
4				1.500	1.500	1.500	1.400	1.600	1.500
5				1.500	1.500	1.400	1.400	1.600	1.600
6				1.500	1.500	1.300	1.300	1.600	1.500
7				1.500	1.500	1.400	1.400	1.500	1.500
8				1.500	1.500	1.400	1.300	1.700	1.600
9				1.500	1.500	1.400	1.400	1.500	1.500
10				1.500	1.500	1.300	1.300	1.700	1.500
Mean	1.483								
Median	1.500								
Std.Dev.	0.092								
Rel.Std.Dev. (%)	6.23								
n	60								

Blank cells = Bad-excluded or NR. Mean is uncorrected mean of accepted values.

Table 35. Sr (ppm) — 4A (four-acid ME)

Sample	1	2	3	4	5	6	7	9	10
1	127	150	145	145	148	142	144	150	143
2	123	150	146	147	150	142	144	142	142
3	114	150	144	145	151	145	144	146	144
4	122	153	149	150	150	153	141	147	143
5	120	152	147	148	150	139	141	145	142
6	124	152	142	150	150	127	143	149	143
7	121	154	141	148	149	142	140	147	142
8	121	151	146	148	146	139	142	147	139
9	122	148	143	144	147	139	143	151	142
10		151	145	146	149	141	141	144	141
Mean	143								
Median	145								
Std.Dev.	8								
Rel.Std.Dev. (%)	5.88								
n	89								

Blank cells = Bad-excluded or NR. Mean is uncorrected mean of accepted values.

Table 36. Ta (ppm) — 4A (four-acid ME)

Sample	1	2	3	4	5	6	7	9	10
1				0.440	0.420	0.400	0.420	0.300	0.320
2				0.460	0.420	0.400	0.400		0.330
3				0.440	0.430	0.400	0.440	0.400	0.350
4				0.450	0.420	0.400	0.420	0.300	0.350
5				0.440	0.430	0.400	0.420	0.300	0.320
6				0.470	0.420	0.400	0.430	0.400	0.310
7				0.450	0.430	0.400	0.410	0.300	0.340
8				0.420	0.430	0.400	0.410	0.400	0.330
9				0.450	0.430	0.400	0.410	0.300	0.300
10				0.450	0.420	0.400	0.430	0.300	0.280
Mean	0.392								
Median	0.400								
Std.Dev.	0.052								
Rel.Std.Dev. (%)	13.19								
n	59								

Blank cells = Bad-excluded or NR. Mean is uncorrected mean of accepted values.

Table 37. Te (ppm) — 4A (four-acid ME)

Sample	1	2	3	4	5	6	7	9	10
1				0.960	0.850	0.800	0.891	0.700	0.830
2				0.880	0.840	0.700	0.847	1.000	0.880
3				0.850	0.830	0.800	0.861		0.870
4				0.860	0.880	0.700	0.849	0.700	0.860
5				0.900	0.830	0.800	0.851	1.100	0.850
6				0.950	0.930	0.800	0.851		0.910
7				0.900	0.830	0.900	0.807	0.800	0.840
8				0.930	0.880	0.800	0.823	1.100	0.860
9				0.800	0.870	0.800	0.856		0.840
10				0.910	0.830	0.800	0.879	0.900	0.890
Mean	0.857								
Median	0.851								
Std.Dev.	0.076								
Rel.Std.Dev. (%)	8.86								
n	57								

Blank cells = Bad-excluded or NR. Mean is uncorrected mean of accepted values.

Table 38. Th (ppm) — 4A (four-acid ME)

Sample	1	2	3	4	5	6	7	9	10
1			6.000	6.600	7.140	5.600	7.200	6.100	6.220
2		5.000	5.000	6.750	7.100	5.400	6.720	6.100	6.060
3			5.000	6.450	7.170	5.700	7.030	5.900	6.240
4			5.000	6.730	7.090	5.600	6.880	6.000	6.200
5		5.000	5.000	6.670	7.100	5.300	6.940	5.900	6.150
6		5.000	5.000	6.850	7.220	4.800	6.940	6.100	6.230
7		5.000		6.520	7.230	5.000	6.620	5.800	6.270
8		5.000	6.000	6.470	6.920	5.200	6.440	6.000	6.050
9		5.000		6.480	7.030	5.400	6.810	5.900	6.150
10		5.000	6.000	6.580	7.050	5.400	6.980	6.200	5.980
Mean	6.115								
Median	6.150								
Std.Dev.	0.739								
Rel.Std.Dev. (%)	12.09								
n	75								

Blank cells = Bad-excluded or NR. Mean is uncorrected mean of accepted values.

Table 39. Ti (ppm) — 4A (four-acid ME)

Sample	1	2	3	4	5	6	7	9	10
1	1,500	1,400	1,400	1,390	1,380	1,350	1,363	1,340	1,358
2	1,500	1,400	1,400	1,430	1,400	1,400	1,397	1,370	1,367
3	1,400	1,400	1,400	1,400	1,410	1,400	1,394	1,390	1,369
4	1,500	1,500	1,500	1,430	1,400	1,440	1,375	1,360	1,383
5	1,400	1,400	1,400	1,440	1,410	1,320	1,384	1,360	1,370
6	1,500	1,400	1,400	1,430	1,390	1,190	1,407	1,370	1,362
7	1,500	1,400	1,400	1,410	1,400	1,350	1,373	1,350	1,351
8	1,500	1,400	1,400	1,400	1,380	1,380	1,322	1,350	1,353
9	1,600	1,400	1,400	1,400	1,390	1,340	1,337	1,360	1,365
10		1,500	1,400	1,410	1,420	1,410	1,396	1,370	1,345
Mean	1,398								
Median	1,400								
Std.Dev.	52								
Rel.Std.Dev. (%)	3.75								
n	89								

Blank cells = Bad-excluded or NR. Mean is uncorrected mean of accepted values.

Table 40. TI (ppm) — 4A (four-acid ME)

Sample	1	2	3	4	5	6	7	9	10
1				2.740	2.700	2.800	2.890	2.700	2.640
2				2.740	2.770	2.800	2.830	2.700	2.710
3				2.810	2.700	2.800	2.820	2.900	2.720
4				2.780	2.650	2.900	2.800	2.800	2.790
5				2.770	2.690	2.700	2.780	2.800	2.730
6				2.750	2.690		2.800	2.900	2.680
7				2.770	2.700	2.700	2.820	2.800	2.770
8				2.670	2.660	2.700	2.760	2.900	2.710
9				2.630	2.640	2.700	2.770	2.800	2.660
10				2.830	2.660	2.700	2.830	2.800	2.730
Mean	2.754								
Median	2.760								
Std.Dev.	0.071								
Rel.Std.Dev. (%)	2.58								
n	59								

Blank cells = Bad-excluded or NR. Mean is uncorrected mean of accepted values.

Table 41. U (ppm) — 4A (four-acid ME)

Sample	1	2	3	4	5	6	7	9	10
1				3.900	3.600	3.400	3.754	3.600	3.520
2				4.000	3.500	3.400	3.730	3.700	3.530
3				3.800	3.600	3.500	3.723	3.900	3.550
4				4.000	3.600	3.600	3.812	3.900	3.610
5				3.800	3.600	3.400	3.847	3.800	3.590
6				3.900	3.600	2.900	3.719	4.000	3.590
7				4.000	3.600	3.200	3.660	3.900	3.680
8				3.700	3.500	3.300	3.585	4.000	3.510
9				3.800	3.500	3.400	3.740	3.900	3.490
10				3.900	3.500	3.400	3.767	4.000	3.470
Mean	3.658								
Median	3.605								
Std.Dev.	0.220								
Rel.Std.Dev. (%)	6.00								
n	60								

Blank cells = Bad-excluded or NR. Mean is uncorrected mean of accepted values.

Table 42. V (ppm) — 4A (four-acid ME)

Sample	1	2	3	4	5	6	7	9	10
1	38.0	39.9	39.1	40.0	38.0	40.0	39.9	39.0	40.0
2	39.0	39.5	39.0	42.0	40.0	40.0	36.9	39.0	40.0
3	35.0	39.8	38.9	40.0	39.0	40.0	40.8	38.0	40.0
4	38.0	41.1	40.4	40.0	40.0	43.0	38.0	39.0	41.0
5	37.0	39.8	39.2	41.0	40.0	39.0	39.5	39.0	40.0
6	38.0	38.5	38.4	42.0	40.0	34.0	37.9	39.0	40.0
7	38.0	40.5	38.1	41.0	40.0	40.0	35.8	38.0	40.0
8	38.0	40.1	38.8	40.0	39.0	39.0	35.7	39.0	40.0
9	38.0	40.1	38.2	40.0	39.0	39.0	39.2	38.0	40.0
10		40.3	38.5	40.0	40.0	40.0	39.6	40.0	40.0
Mean	39.3								
Median	39.6								
Std.Dev.	1.4								
Rel.Std.Dev. (%)	3.55								
n	89								

Blank cells = Bad-excluded or NR. Mean is uncorrected mean of accepted values.

Table 43. W (ppm) — 4A (four-acid ME)

Sample	1	2	3	4	5	6	7	9	10
1	10.00	9.00	10.00	8.60	8.80	8.60	8.53	8.20	8.30
2	10.00	10.00	9.00	9.20	9.40	8.50	8.45	8.40	8.20
3	10.00	9.00	10.00	8.60	9.00	8.20	8.82	8.40	8.70
4	10.00	10.00	10.00	8.80	8.80	8.70	8.60	8.50	8.70
5	10.00	10.00	9.00	8.70	8.80	8.00	8.70	8.30	8.40
6	10.00	10.00	9.00	9.10	8.90		8.39	8.10	8.40
7	10.00	9.00	9.00	8.70	9.00	8.10	8.27	8.00	8.60
8	10.00	9.00	9.00	8.60	9.00	7.80	8.13	8.30	8.40
9	10.00	9.00	9.00	8.90	9.00	7.90	8.56	8.20	8.30
10	10.00	9.00	9.00	8.80	8.90	7.80	8.59	8.30	8.30
Mean	8.88								
Median	8.80								
Std.Dev.	0.64								
Rel.Std.Dev. (%)	7.18								
n	89								

Blank cells = Bad-excluded or NR. Mean is uncorrected mean of accepted values.

Table 44. Y (ppm) — 4A (four-acid ME)

Sample	1	2	3	4	5	6	7	9	10
1		5.000	5.000	6.400	6.900	5.200	6.620	5.700	5.600
2		5.000	5.000	6.300	6.800	5.300	6.350	5.400	5.500
3		5.000	5.000	6.400	7.000	5.800	6.490	5.600	5.500
4		5.000	5.000	6.600	6.900	5.700	6.390	5.500	5.500
5		5.000	5.000	6.500	7.000	5.200	6.610	5.700	5.400
6		5.000	5.000	6.500	6.800	4.500	6.380	5.900	5.400
7		5.000	5.000	6.500	6.800	5.100	6.230	5.400	5.500
8		5.000	5.000	6.600	6.700	5.300	6.080	5.700	5.500
9		5.000	5.000	6.100	6.700	5.400	6.530	5.700	5.300
10		5.000	5.000	6.400	6.800	5.300	6.530	5.600	5.600
Mean	5.759								
Median	5.600								
Std.Dev.	0.687								
Rel.Std.Dev. (%)	11.94								
n	80								

Blank cells = Bad-excluded or NR. Mean is uncorrected mean of accepted values.

Table 45. Zn (ppm) — 4A (four-acid ME)

Sample	1	2	3	4	5	6	7	9	10
1	959.00	950.00	944.00	901.00	889.00	934.00	893.00	881.00	919.00
2	976.00	951.00	943.00	928.00	915.00	926.00	875.00	889.00	923.00
3	878.00	949.00	934.00	913.00	900.00	913.00	894.00	877.00	929.00
4	951.00	964.00	961.00	917.00	913.00	978.00	874.00	873.00	929.00
5	919.00	963.00	941.00	932.00	915.00	873.00	872.00	884.00	927.00
6	951.00	969.00	932.00	939.00	898.00	835.00	877.00	875.00	928.00
7	943.00	957.00	924.00	933.00	901.00	921.00	858.00	876.00	935.00
8	951.00	939.00	933.00	910.00	895.00	893.00	866.00	877.00	910.00
9	951.00	936.00	922.00	912.00	886.00	893.00	875.00	881.00	923.00
10		957.00	936.00	916.00	921.00	916.00	863.00	879.00	920.00
Mean	915.53								
Median	919.00								
Std.Dev.	30.98								
Rel.Std.Dev. (%)	3.38								
n	89								

Blank cells = Bad-excluded or NR. Mean is uncorrected mean of accepted values.

Table 46. Zr (ppm) — 4A (four-acid ME)

Sample	1	2	3	4	5	6	7	9	10
1		49.00	50.00	69.20	70.40	42.60	70.56	45.20	57.90
2		48.00	52.00	70.60	66.90	50.00	64.32	49.30	56.20
3		51.00	51.00	68.50	69.70	57.50	68.70	47.90	55.50
4		50.00	51.00	71.10	68.90	46.40	67.43	47.20	56.60
5		47.00	50.00	69.80	70.20	43.90	71.45	46.90	56.20
6		52.00	50.00	71.20	68.10	43.40	63.86	48.50	57.90
7		49.00	50.00	70.20	66.90	40.40	68.66	47.30	56.80
8		47.00	52.00	69.10	67.60	45.10	59.87	47.60	56.60
9		49.00	51.00	65.80	66.70	47.00	71.42	45.70	55.90
10		49.00	53.00	70.60	69.30	45.40	66.69	49.00	53.90
Mean	56.93								
Median	54.70								
Std.Dev.	9.72								
Rel.Std.Dev. (%)	17.08								
n	80								

Blank cells = Bad-excluded or NR. Mean is uncorrected mean of accepted values.