

Certificate of Analysis

MEG, LLC

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Au.26.02-ME

Certified Reference Material

MEAN =	0.727	ppm Au	Fire Assay
95% Confidence =	0.669	to	0.784
MEAN =	3.8	ppm Ag	Aqua Regia
95% Confidence =	3.3	to	4.4

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.26.02 was prepared from mineralized material from Borealis, 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 except Au and Ag. Gold reported by lead fire assay and silver reported by aqua regia / two-acid.

Summarized Results:

PROJECT: Au.26.02-ME

ALL DATA

4-Acid	Au (ppm)	Ag (ppm)	As (ppm)	Cu (ppm)	Mn (ppm)	S (ppm)	Sb (ppm)
COUNT	89	78	80	82	85	80	78
LAB AVERAGE	0.726	3.83	199.03	51.05	21.34	43777.46	18.73
SD	0.036	0.31	9.10	2.71	2.50	1494.30	1.18
RSD	5.0	8.1	4.57	5.3	11.7	3.4	6.3
10%	0.073	0.4	19.90	5.10	2.13	4377.75	1.87
2SD	0.798	4.45	217.24	56.48	26.34	46766.07	21.09
+10%	0.799	4.21	218.93	56.15	23.48	48155.21	20.60
-10%	0.654	3.45	179.13	45.94	19.21	39399.72	16.86
+2SD	0.798	4.45	217.24	56.48	26.34	46766.07	21.09
-2SD	0.654	3.21	180.83	45.62	16.35	40788.85	16.37
MAXIMUM	0.817	4.80	214.00	61.00	27.00	48577.00	23.00
MINIMUM	0.645	3.13	172.70	46.00	15.00	39900.00	14.00

LAB DATA

4-Acid	Au (ppm)	Ag (ppm)	As (ppm)	Cu (ppm)	Mn (ppm)	S (ppm)	Sb (ppm)
COUNT	9	8	8	9	9	8	8
LAB AVERAGE	0.727	3.83	199.03	51.76	21.25	43777.46	18.74
SD	0.029	0.28	7.79	3.21	2.29	728.36	0.65
RSD	3.9	7.3	3.9	6.2	10.8	1.7	3.4
10%	0.073	0.38	19.9	5.18	2.13	4377.75	1.87
2SD	0.057	0.56	15.58	6.42	4.57	1456.71	1.29
+10%	0.799	4.22	218.93	56.93	23.38	48155.21	20.61
-10%	0.654	3.45	179.13	46.58	19.13	39399.72	16.86
+2SD	0.784	4.39	214.62	58.17	25.82	45234.18	20.03
-2SD	0.669	3.27	183.45	45.34	16.68	42320.75	17.45
MAXIMUM	0.758	4.44	206.00	59.00	23.80	45020.00	20.02
MINIMUM	0.665	3.54	179.17	47.90	15.25	42724.70	17.90

RSD SCALE

Certified Provisional Informational

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)	6.45	0.09	4.98	2.74	0.02	0.30	4.38	0.35	-
Conversion Factor	1.8899	1.3992	1.4297	1.2046	1.6579	1.348	2.4953	1.6681	2.1392
	AlO2	CaO	Fe2O3	K2O	MgO	Na2O	SO3	TiO2	SiO2 estimated
% Oxide:	12.18	0.13	7.12	3.30	0.04	0.41	10.92	0.59	65.89

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.26.02 (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.26.02-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)	89	75
2	Ag_AR	ppm	AR (aqua regia / 2-acid)	78	94
3	Ag	ppm	4A (four-acid ME)	87	113
4	Al	ppm	4A (four-acid ME)	80	132
5	As	ppm	4A (four-acid ME)	80	151
6	Ba	ppm	4A (four-acid ME)	65	170
7	Be	ppm	4A (four-acid ME)	54	189
8	Bi	ppm	4A (four-acid ME)	80	208

9	Ca	ppm	4A (four-acid ME)	78	227
10	Cd	ppm	4A (four-acid ME)	41	246
11	Ce	ppm	4A (four-acid ME)	55	265
12	Co	ppm	4A (four-acid ME)	61	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)	82	341
16	Fe	ppm	4A (four-acid ME)	86	360
17	Ga	ppm	4A (four-acid ME)	76	379
18	Hf	ppm	4A (four-acid ME)	57	398
19	K	ppm	4A (four-acid ME)	80	417
20	La	ppm	4A (four-acid ME)	80	436
21	Li	ppm	4A (four-acid ME)	77	455
22	Mg	ppm	4A (four-acid ME)	80	474
23	Mn	ppm	4A (four-acid ME)	85	493
24	Mo	ppm	4A (four-acid ME)	83	512
25	Na	ppm	4A (four-acid ME)	80	531
26	Nb	ppm	4A (four-acid ME)	55	550
27	Ni	ppm	4A (four-acid ME)	86	569
28	P	ppm	4A (four-acid ME)	80	588
29	Pb	ppm	4A (four-acid ME)	80	607

30	Rb	ppm	4A (four-acid ME)	60	626
31	S	ppm	4A (four-acid ME)	80	645
32	Sb	ppm	4A (four-acid ME)	78	664
33	Sc	ppm	4A (four-acid ME)	71	683
34	Sn	ppm	4A (four-acid ME)	74	702
35	Sr	ppm	4A (four-acid ME)	70	721
36	Ta	ppm	4A (four-acid ME)	58	740
37	Te	ppm	4A (four-acid ME)	66	759
38	Th	ppm	4A (four-acid ME)	70	778
39	Ti	ppm	4A (four-acid ME)	80	797
40	Tl	ppm	4A (four-acid ME)	58	816
41	U	ppm	4A (four-acid ME)	53	835
42	V	ppm	4A (four-acid ME)	80	854
43	W	ppm	4A (four-acid ME)	80	873
44	Y	ppm	4A (four-acid ME)	76	892
45	Zn	ppm	4A (four-acid ME)	84	911
46	Zr	ppm	4A (four-acid ME)	76	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.

Table 1. Au (ppm) — FA (fire assay)

Sample	1	2	3	4	5	6	7	9	10
1	0.762	0.663	0.698	0.732	0.730	0.731	0.765	0.746	0.659
2	0.769	0.657	0.693	0.698	0.754	0.720	0.753	0.764	0.689
3	0.738	0.667	0.729	0.707	0.741	0.764	0.762	0.761	0.720
4	0.755	0.658	0.721	0.706	0.744	0.710	0.741	0.760	0.706
5	0.712	0.659	0.722	0.717	0.732	0.747	0.752	0.773	0.659
6		0.690	0.810	0.729	0.749	0.728	0.760	0.765	0.708
7	0.765	0.668	0.679	0.738	0.743	0.698	0.769	0.775	0.711
8	0.779	0.668	0.697	0.751	0.726	0.717	0.762	0.758	0.689
9	0.749	0.673	0.704	0.817	0.745	0.738	0.743	0.728	0.708
10	0.711	0.645	0.696	0.687	0.736	0.759	0.756	0.748	0.718
Mean	0.726								
Median	0.730								
Std.Dev.	0.036								
Rel.Std.Dev. (%)	4.99								
n	89								

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	4.500	4.100	3.800	3.700	3.900	3.900	3.130	3.600	
2	3.900	4.200	3.800	3.900	3.900	3.800	3.530	3.500	
3	4.200	4.000	4.000	4.000	3.800	3.500	3.610	3.600	
4		3.800	3.700	4.000	3.700	3.400	3.680	3.500	
5	4.400	4.100	3.900	3.900	3.700	3.900	3.570	3.500	
6	4.500	4.300	3.800	3.700	3.800	3.600	3.390	3.600	
7	4.400	4.000	3.800	3.800	3.800	3.500	3.750	3.500	
8	4.800	4.200	3.800	3.700	3.900	3.600	3.680	3.700	
9	4.800	4.000	3.800	3.800	3.700	3.500		3.700	
10	4.500	4.000	3.800	3.600	3.700	3.600	3.530	3.500	
Mean	3.830								
Median	3.800								
Std.Dev.	0.313								
Rel.Std.Dev. (%)	8.17								
n	78								

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	4.400	4.100	4.400	4.350	4.220	4.100	4.480	4.100	4.390
2		4.000	4.500	4.200	4.390	4.200	4.330	4.100	4.510
3	4.400	4.200	4.400	4.490	4.080	4.200	4.550	4.200	4.500
4	4.800	4.100	4.400	4.280	4.360	4.000	4.530	4.200	4.650
5	4.900	4.000	4.200	4.510	4.490	4.200	4.680	4.200	4.880
6	4.800	3.800	4.000	4.390	4.340	4.300	4.590	4.000	4.530
7		4.000	4.300	4.690	4.300	4.400	4.400	4.000	4.640
8	4.800	4.000	4.400	4.400	4.100	4.200	4.360	4.200	4.590
9	5.000	3.900	4.100	4.370	4.360	3.900	4.430	4.200	4.630
10		4.200	4.600	4.360	4.510	4.500	4.540	4.100	4.550
Mean	4.344								
Median	4.360								
Std.Dev.	0.247								
Rel.Std.Dev. (%)	5.69								
n	87								

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	60,400	62,300	67,200	65,600	60,800		63,875	70,300	63,238
2	65,300	62,000	61,700	61,700	66,200		62,199	71,100	64,154
3	59,800	65,900	65,900	64,300	63,900		62,678	69,900	63,337
4	62,500	63,200	61,300	62,600	65,100		64,228	71,600	64,445
5	63,300	61,100	62,000	65,700	67,200		64,000	69,700	64,159
6	62,700	61,300	67,900	65,500	66,600		62,010	71,600	64,602
7	66,000	62,800	61,800	66,700	62,100		61,303	69,700	64,475
8	64,600	62,500	61,600	63,500	62,700		61,499	70,900	66,998
9	62,600	60,300	66,500	63,900	64,100		63,060	68,400	63,908
10	61,900	62,700	61,300	64,000	63,800		69,598	69,400	64,922
Mean	64,471								
Median	63,904								
Std.Dev.	2,922								
Rel.Std.Dev. (%)	4.53								
n	80								

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		196.0	210.0	209.0	199.0	178.5	202.0	197.7	197.0
2		200.0	195.0	197.5	210.0	174.4	194.8	205.5	205.0
3		207.0	202.0	205.0	203.0	179.8	199.2	198.2	194.0
4		199.0	195.0	197.0	209.0	172.7	207.8	201.0	203.0
5		198.0	194.0	202.0	208.0	189.2	202.5	203.5	199.0
6		194.0	205.0	207.0	209.0	186.5	198.3	202.5	204.0
7		200.0	199.0	209.0	214.0	176.2	197.1	193.4	202.0
8		202.0	193.0	199.0	198.0	178.8	200.0	202.7	208.0
9		194.0	204.0	203.0	206.0	172.9	201.9	205.3	209.0
10		203.0	193.0	202.0	204.0	182.7	213.4	201.5	208.0
Mean	199.0								
Median	201.3								
Std.Dev.	9.2								
Rel.Std.Dev. (%)	4.60								
n	80								

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	710.0	103.0	73.0	200.0	140.0				293.0
2	580.0	131.0	87.0	120.0	90.0				390.0
3	730.0	134.0	109.0	120.0	90.0		1032.0		393.0
4	680.0	108.0	88.0	150.0	100.0		1013.4		303.0
5	350.0	102.0	86.0	170.0	80.0				277.0
6	410.0	98.0	90.0	130.0	100.0	389.0	873.5		267.0
7	490.0	106.0	93.0	90.0	130.0				426.0
8	450.0	101.0	95.0	160.0	90.0				512.0
9	510.0	99.0	90.0	100.0	80.0				247.0
10	630.0	99.0	80.0	150.0	110.0		917.1		243.0
Mean	269.0								
Median	131.0								
Std.Dev.	252.2								
Rel.Std.Dev. (%)	93.75								
n	65								

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		0.600	0.600	0.580	0.510		0.460		0.490
2		0.600		0.540	0.500		0.590		0.480
3		0.600	0.600	0.540	0.500		0.520		0.490
4		0.600		0.540	0.510		0.530		0.500
5		0.600		0.550	0.510		0.540		0.510
6		0.600	0.600	0.550	0.520		0.500		0.520
7		0.600		0.520	0.520		0.640		0.490
8		0.600		0.550	0.500		0.510		0.520
9		0.600	0.600	0.530	0.510		0.510		0.520
10		0.600		0.540	0.520		0.430		0.500
Mean	0.541								
Median	0.525								
Std.Dev.	0.046								
Rel.Std.Dev. (%)	8.57								
n	54								

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		141.0	150.0	140.5	127.5	130.1	134.4	126.4	145.0
2		143.0	128.0	133.5	134.5	129.7	132.1	130.5	145.0
3		148.0	150.0	135.0	129.0	135.9	134.2	125.5	147.0
4		143.0	130.0	130.5	134.5	121.9	140.1	126.7	144.0
5		141.0	127.0	138.5	138.0	139.4	138.2	125.3	152.0
6		139.0	154.0	137.0	132.5	137.2	134.2	127.6	145.0
7		145.0	128.0	141.5	134.5	127.4	132.8	121.6	154.0
8		145.0	127.0	135.5	126.0	132.0	133.9	128.2	152.0
9		140.0	148.0	136.0	132.0	125.6	135.9	126.8	153.0
10		147.0	128.0	137.5	136.0	130.0	148.5	127.3	153.0
Mean	136.5								
Median	135.3								
Std.Dev.	8.5								
Rel.Std.Dev. (%)	6.22								
n	80								

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		1000.0	1000.0	1100.0	900.0		965.0	900.0	915.0
2	800.0	1000.0	1000.0	1000.0	1000.0		984.0	1000.0	913.0
3	600.0	1100.0	1000.0	1000.0	1000.0		988.0	1000.0	914.0
4	700.0		1000.0	1000.0	1000.0		1010.0	1000.0	927.0
5	600.0	1000.0	1000.0	1000.0	1000.0		970.0	1000.0	924.0
6	600.0	1000.0	1000.0	1000.0	1000.0		968.0	1000.0	914.0
7	900.0	1000.0	1000.0	900.0	900.0		1004.0	1000.0	912.0
8	600.0	1000.0	1000.0	1000.0	1000.0		977.0	1000.0	944.0
9	600.0	1000.0	1000.0	1000.0	1000.0		981.0	1000.0	912.0
10	700.0	1000.0	1000.0	1000.0	1000.0		960.0	1000.0	934.0
Mean	947.6								
Median	1000.0								
Std.Dev.	110.8								
Rel.Std.Dev. (%)	11.70								
n	78								

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	2.500				0.020		0.020	-0.100	
2	2.800			0.020			0.030	-0.100	
3	2.600			0.020			0.030	-0.100	0.020
4	2.600						0.020	-0.100	0.030
5							0.030	-0.100	0.020
6	2.500			0.030			0.020	-0.100	
7	2.200						0.030	-0.100	0.020
8	2.600						0.030	-0.100	0.030
9	2.800						0.020	-0.100	0.030
10	2.900			0.020			0.030	-0.100	0.020
Mean	0.562								
Median	0.020								
Std.Dev.	1.105								
Rel.Std.Dev. (%)	196.71								
n	41								

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				52.50	47.10	47.00	52.98	54.00	53.51
2				53.30	53.70	47.00	54.06	55.00	55.12
3				53.90	50.50	51.00	53.10	55.00	52.00
4				51.60	55.20		54.70	54.00	52.89
5				58.00	53.50	52.00	52.43	55.00	52.59
6				55.60	54.00	51.00	51.19	55.00	56.31
7				53.60			53.21	53.00	54.69
8				52.50	51.00		52.24	54.00	55.20
9				53.40	54.50		53.25	54.00	55.60
10				54.50	53.30	52.00	52.64	54.00	54.61
Mean	53.22								
Median	53.50								
Std.Dev.	2.08								
Rel.Std.Dev. (%)	3.92								
n	55								

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				0.500	0.500	0.400	0.600	0.500	0.500
2				0.700	0.500	0.500	0.500	0.500	0.500
3				0.600	0.500	0.400	0.500	0.600	0.500
4	1.000			0.600	0.500	0.400	0.600	0.500	0.500
5				0.600	0.500	0.400	0.500	0.500	0.500
6				0.600	0.500	0.400	0.600	0.500	0.500
7				0.600	0.500	0.400	0.500	0.500	0.500
8				0.500	0.500	0.400	0.500	0.700	0.500
9				0.600	0.500	0.500	0.500	0.500	0.500
10				0.600	0.500	0.400	0.500	0.600	0.600
Mean	0.523								
Median	0.500								
Std.Dev.	0.092								
Rel.Std.Dev. (%)	17.59								
n	61								

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		82.00	74.00	112.00	107.00	72.00	96.60	96.00	98.00
2		87.00	73.00	108.00	112.00	67.00	118.30	101.00	96.00
3		93.00	68.00	112.00	109.00	68.00	127.90	98.00	99.00
4		86.00	73.00	108.00	107.00	64.00	97.90	99.00	104.00
5		84.00	88.00	111.00	111.00	70.00	126.60	96.00	100.00
6		91.00	75.00	111.00	109.00	70.00	117.30	96.00	105.00
7		88.00	76.00	105.00	112.00	66.00	120.30	96.00	106.00
8		87.00	75.00	109.00	103.00	68.00	98.40	99.00	104.00
9		76.00	75.00	109.00	107.00	67.00	120.10	98.00	98.00
10		88.00	82.00	109.00	107.00	68.00	126.00	99.00	100.00
Mean	95.21								
Median	98.00								
Std.Dev.	16.75								
Rel.Std.Dev. (%)	17.59								
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				1.160	1.040		1.120	1.300	1.150
2				1.220	1.140		1.140		1.160
3				1.240	1.060		1.190	1.300	1.140
4				1.190	1.160		1.210	1.300	1.140
5				1.260	1.140		1.170		1.190
6				1.200	1.140		1.190	1.400	1.180
7				1.080	1.060		1.220	1.300	1.170
8				1.170	1.100		1.200	1.400	1.200
9				1.220	1.130		1.140		1.200
10				1.160	1.120		1.150	1.400	1.210
Mean	1.189								
Median	1.170								
Std.Dev.	0.082								
Rel.Std.Dev. (%)	6.88								
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	61.00	48.00	51.00	51.70	51.30	48.90	52.90	50.60	51.40
2		48.00	48.00	53.00	55.00	47.20	52.20	50.50	51.20
3	57.00	50.00	50.00	54.00	51.70	48.60	51.80	49.20	50.60
4		49.00	49.00	51.30	55.30	47.00	52.60	50.00	51.40
5		47.00	48.00	54.00	53.90	51.60	52.40	49.30	51.30
6		47.00	53.00	54.00	54.50	50.80	51.00	48.80	50.70
7		48.00	48.00	57.60	54.20	47.90	51.70	48.30	51.70
8		48.00	51.00	51.40	52.00	48.60	52.00	49.90	53.10
9		46.00	50.00	53.90	54.10	47.60	51.60	49.90	51.30
10		48.00	48.00	53.40	55.10	49.60	55.30	49.20	51.90
Mean	51.05								
Median	51.10								
Std.Dev.	2.73								
Rel.Std.Dev. (%)	5.35								
n	82								

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	46,900	49,600	51,900	51,000	48,100	48,100	50,200	50,400	51,393
2	50,500	49,600	49,300	48,200	50,600	47,200	48,900	52,200	51,613
3		52,100	50,800	49,800	49,000	48,400	49,010	50,600	51,097
4	48,500	50,100	49,500	48,200	49,600		50,530	51,300	51,565
5	50,400	48,200	49,200	49,600	50,600	49,300	49,990	51,900	51,940
6	49,200	48,600	52,000	50,200	50,500	49,400	48,870	50,800	52,000
7	50,400	49,500	49,900	50,300	49,900	46,900	48,890	50,200	51,810
8	49,000	49,200	48,800	49,000	47,500	47,300	48,990	51,700	
9	47,700	47,900	51,300	49,200	48,700		49,600	50,900	51,300
10	49,200	49,300	49,400	49,500	49,400	47,600	51,880	50,900	52,265
Mean	49,812								
Median	49,600								
Std.Dev.	1,367								
Rel.Std.Dev. (%)	2.74								
n	86								

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	30.00	26.00		26.40	25.50		27.78	28.00	27.87
2	30.00	26.00	26.00	26.20	27.50		26.95	28.00	28.91
3	30.00	29.00		27.80	25.50		27.21	28.00	27.89
4	30.00	27.00	26.00	26.30	27.50		28.49	28.00	29.17
5	30.00	26.00	26.00	28.50	27.70		28.07	28.00	28.43
6	30.00			28.20	27.10		26.96	29.00	29.37
7	30.00	26.00	26.00	27.20	27.30		26.76	27.00	29.36
8	30.00	28.00	26.00	26.40	25.90		27.49	28.00	30.29
9	30.00	26.00	25.00	27.90	27.20		27.31	28.00	29.42
10	30.00	27.00	26.00	27.80	27.90		29.34	28.00	29.21
Mean	27.76								
Median	27.84								
Std.Dev.	1.40								
Rel.Std.Dev. (%)	5.05								
n	76								

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				2.700	2.800	2.100	3.190	2.400	2.730
2				2.700	2.900	2.100		2.300	2.720
3				2.600	2.600	2.300	3.600	2.300	2.820
4				2.700	2.800	2.000	3.250	2.300	2.870
5				2.900	2.900	2.300		2.400	2.870
6				2.700	2.900	2.300	3.360	2.300	2.700
7				2.800	2.700	2.000		2.200	3.020
8				2.900	2.800	2.000	3.510	2.300	2.840
9				2.700	2.900	1.900	3.480	2.300	2.920
10				2.700	2.900	2.400	3.340	2.300	3.030
Mean	2.673								
Median	2.700								
Std.Dev.	0.402								
Rel.Std.Dev. (%)	15.05								
n	57								

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	33,200	26,600	30,000	27,000	25,900		26,269	26,700	26,899
2	32,700	26,800	25,200	25,600	26,900		25,689	27,600	27,165
3	30,600	27,600	29,300	26,500	26,400		25,823	26,900	27,045
4	34,100	26,500	25,300	25,600	26,700		26,851	27,500	27,372
5	31,100	26,000	25,000	26,900	27,300		26,001	27,300	27,055
6	30,700	26,100	30,100	26,900	27,400		25,938	27,200	27,237
7	31,700	26,700	25,300	27,700	27,300		25,528	26,500	27,428
8	31,400	26,700	24,800	26,300	25,200		25,401	27,200	28,394
9	32,100	25,700	29,700	26,400	26,600		25,963	27,200	27,126
10	32,900	26,700	25,000	26,200	26,600		27,932	27,000	27,453
Mean	27,408								
Median	26,900								
Std.Dev.	2,072								
Rel.Std.Dev. (%)	7.56								
n	80								

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	25.00	25.00	19.60		25.32	29.00	24.53
2	20.00	23.00	23.00	23.70	23.00		25.82	29.00	25.24
3	20.00	24.00	25.00	24.80	21.80		24.89	29.00	23.68
4	20.00	23.00	23.00	24.30	23.50		25.84	28.00	23.79
5	20.00	23.00	22.00	25.70	22.50		25.10	29.00	24.50
6	20.00	23.00	25.00	25.30	23.50		24.70	29.00	25.52
7	20.00	23.00	24.00	24.50	18.20		25.22	28.00	25.13
8	20.00	23.00	23.00	24.60	22.10		24.99	29.00	24.41
9	20.00	23.00	25.00	24.70	23.10		25.55	28.00	25.51
10	20.00	23.00	23.00	24.90	22.40		24.71	29.00	25.34
Mean	24.04								
Median	24.36								
Std.Dev.	2.53								
Rel.Std.Dev. (%)	10.54								
n	80								

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		4.000	4.000	3.700	3.400	3.200	3.700	3.900	4.000
2		4.000	4.000	4.100	3.200	3.200	3.800	3.100	3.000
3		4.000	3.000	4.300	3.300	3.300	3.700		3.000
4		4.000	4.000	4.000	3.400	3.100	3.600	3.900	3.000
5		4.000	4.000	3.900	3.400	3.300	3.600	4.000	4.000
6		4.000	3.000	3.900	3.400	3.400	3.900	3.800	3.000
7		4.000	4.000	3.500	3.200	3.200	3.600	2.900	3.000
8		4.000	4.000	4.000	3.300	3.200	3.600		4.000
9		4.000	4.000	3.700	3.300	2.900	3.700	3.900	4.000
10		4.000	4.000	3.700	3.200	3.500	3.600		4.000
Mean	3.630								
Median	3.700								
Std.Dev.	0.386								
Rel.Std.Dev. (%)	10.62								
n	77								

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	200.0	200.0	200.0	300.0	200.0		225.0	200.0	223.0
2	300.0	200.0	200.0	200.0	200.0		225.0	200.0	225.0
3	200.0	200.0	200.0	200.0	200.0		227.0	200.0	220.0
4	300.0	200.0	200.0	200.0	200.0		234.0	300.0	227.0
5	300.0	200.0	200.0	200.0	200.0		226.0	300.0	227.0
6	200.0	200.0	200.0	200.0	200.0		236.0	200.0	225.0
7	300.0	200.0	200.0	200.0	200.0		220.0	200.0	222.0
8	200.0	200.0	200.0	200.0	200.0		225.0	200.0	235.0
9	200.0	200.0	200.0	200.0	200.0		224.0	300.0	227.0
10	300.0	200.0	200.0	200.0	200.0		242.0	200.0	235.0
Mean	218.1								
Median	200.0								
Std.Dev.	31.7								
Rel.Std.Dev. (%)	14.54								
n	80								

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	22.00	22.00	23.00	23.00	20.00	15.00	22.70	23.00	21.00
2	25.00	21.00	20.00	22.00	22.00	15.00	19.80	26.00	21.00
3	22.00	23.00	22.00	21.00	21.00	15.00	20.60	26.00	21.00
4	23.00	21.00	19.00	20.00	22.00		22.70	22.00	22.00
5		23.00	19.00	20.00	21.00	16.00	21.40	24.00	24.00
6		22.00	23.00	21.00	22.00	15.00	22.80	23.00	22.00
7	23.00	21.00	24.00	23.00	20.00	16.00	21.40	22.00	21.00
8	22.00	20.00	25.00	20.00	24.00	15.00	20.10	23.00	21.00
9	22.00	21.00	21.00	21.00	22.00		20.40	26.00	21.00
10	27.00	22.00	22.00	22.00	20.00	15.00	21.10	23.00	
Mean	21.34								
Median	22.00								
Std.Dev.	2.51								
Rel.Std.Dev. (%)	11.77								
n	85								

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		31.00	33.00	30.80	30.30	28.40	32.02	33.30	30.57
2	26.00	31.00	30.00	31.40	33.70	27.30	29.63	33.10	30.67
3		32.00	33.00	31.60	30.80	27.70	30.42	31.50	30.13
4		31.00	30.00	30.10	32.50	26.80	30.53	32.00	30.64
5		31.00	30.00	32.70	33.00	29.20	30.76	32.30	30.11
6		30.00	33.00	32.70	33.00	28.30	29.79	32.00	31.24
7	26.00	32.00	30.00	35.00	32.90	27.70	29.54	30.50	31.01
8	25.00	31.00	30.00	30.60	31.00	27.90	29.98	32.10	31.70
9		31.00	32.00	32.00	32.60	27.20	30.31	32.00	31.47
10		32.00	30.00	32.20	32.40	28.20	32.04	32.10	31.38
Mean	30.78								
Median	31.00								
Std.Dev.	1.88								
Rel.Std.Dev. (%)	6.10								
n	83								

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	2,700	3,000	3,400	3,000	2,900		2,961	3,300	2,962
2	3,100	3,000	2,700	2,900	3,000		2,942	3,800	2,952
3	2,500	3,100	3,300	2,900	2,900		2,934	3,700	2,945
4	2,900	2,900	2,700	2,900	3,000		3,006	3,600	2,951
5	3,000	2,900	2,700	3,000	3,000		2,947	3,600	2,939
6	3,000	2,900	3,300	3,000	3,000		2,893	3,600	3,030
7	3,100	3,000	2,700	2,800	3,000		2,881	3,700	3,003
8	3,000	3,000	2,700	2,900	2,800		2,922	3,700	3,045
9	3,000	2,900	3,300	2,900	2,900		2,950	3,700	2,922
10	2,900	2,900	2,700	2,900	3,000		3,136	3,600	2,981
Mean	3,033								
Median	2,972								
Std.Dev.	269								
Rel.Std.Dev. (%)	8.87								
n	80								

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				6.900	7.100		6.600	6.600	7.500
2				7.200	7.400	5.600	7.110	6.700	7.800
3				7.100	7.000	6.000	6.830	6.600	7.500
4				7.100	7.400		6.470	6.300	7.600
5				7.400	7.400	6.000	7.020	6.300	7.600
6				7.200	7.500	6.000	6.330	6.500	7.500
7				7.100	7.100		7.070	6.700	7.500
8				7.200	7.100		6.480	6.500	7.400
9				7.100	7.400		6.750	6.700	7.800
10				7.000	7.500	6.200	6.540	6.700	7.900
Mean	6.962								
Median	7.100								
Std.Dev.	0.521								
Rel.Std.Dev. (%)	7.48								
n	55								

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	1.000	3.000	2.000	2.300	2.100	2.400	3.200	2.700	3.000
2	4.000	2.000	3.000	3.400	2.200	11.200	2.400	3.000	2.000
3	2.000	3.000	3.000	2.500		2.200	2.800	3.100	3.000
4	1.000	3.000	3.000	2.300	2.200	2.000		2.600	2.000
5	2.000	3.000	3.000	2.200	2.100	2.400	2.400	2.600	4.000
6	3.000	2.000	2.000	2.500	4.000	2.200	3.300	2.400	2.000
7		3.000	3.000	3.000	2.200	2.300	2.800	2.700	3.000
8	7.000	3.000	3.000	2.600	2.100	2.100	2.600	2.800	2.000
9	2.000	2.000	2.000	2.700	2.100	2.400	3.100	2.400	2.000
10		3.000	2.000	3.200	2.200	2.300	3.200	2.700	3.000
Mean	2.712								
Median	2.550								
Std.Dev.	1.179								
Rel.Std.Dev. (%)	43.47								
n	86								

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	1,130	1,190	1,330	1,290	1,200		1,192	1,220	1,315
2	1,230	1,210	1,190	1,190	1,250		1,182	1,270	1,331
3	1,080	1,250	1,300	1,260	1,230		1,211	1,230	1,318
4	1,180	1,210	1,190	1,210	1,240		1,232	1,260	1,334
5	1,230	1,200	1,180	1,260	1,270		1,244	1,270	1,322
6	1,190	1,170	1,320	1,270	1,260		1,203	1,240	1,350
7	1,260	1,220	1,190	1,270	1,280		1,204	1,220	1,349
8	1,230	1,220	1,190	1,230	1,180		1,188	1,260	1,376
9	1,180	1,180	1,300	1,230	1,220		1,214	1,250	1,320
10	1,180	1,230	1,190	1,240	1,250		1,323	1,250	1,337
Mean	1,240								
Median	1,230								
Std.Dev.	55								
Rel.Std.Dev. (%)	4.44								
n	80								

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	659.0	765.0	770.0	727.0	677.0		710.1	723.0	706.0
2	720.0	759.0	709.0	674.0	710.0		690.0	769.0	690.0
3	637.0	799.0	749.0	712.0	684.0		701.1	736.0	656.0
4	687.0	766.0	712.0	676.0	698.0		736.4	755.0	670.0
5	714.0	744.0	702.0	707.0	708.0		710.0	756.0	752.0
6	683.0	744.0	763.0	713.0	703.0		684.5	736.0	719.0
7	724.0	760.0	714.0	724.0	723.0		692.6	740.0	705.0
8	719.0	750.0	704.0	694.0	662.0		709.6	768.0	726.0
9	672.0	746.0	749.0	693.0	687.0		703.2	737.0	740.0
10	670.0	770.0	705.0	707.0	697.0		754.2	741.0	747.0
Mean	717.6								
Median	712.5								
Std.Dev.	32.3								
Rel.Std.Dev. (%)	4.51								
n	80								

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				29.50	27.30	29.90	27.73	30.40	28.50
2				32.90	28.60	29.90	28.07	33.10	28.20
3				32.40	27.30	32.40	28.57	33.10	28.80
4				31.10	28.70	28.80	29.20	32.40	28.30
5				32.50	29.00	31.80	28.53	33.50	28.40
6				32.40	29.20	32.40	28.80	33.10	29.10
7				29.20	27.80	30.50	29.07	32.40	28.30
8				31.00	27.60	29.80	28.89	32.60	28.00
9				32.70	29.00	27.80	28.79	32.80	29.10
10				31.70	28.90	32.60	27.88	32.20	29.40
Mean	30.03								
Median	29.20								
Std.Dev.	1.92								
Rel.Std.Dev. (%)	6.38								
n	60								

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	41,700	44,200	47,100	43,900	42,400		43,617	44,400	41,785
2	44,800	44,000	42,600	40,700	44,000		42,274	45,600	42,472
3	39,900	45,500	46,000	43,000	42,600		43,935	44,200	42,061
4	43,400	44,300	42,800	41,500	43,500		44,994	45,800	42,791
5	45,100	43,600	42,500	44,000	44,500		45,516	45,800	42,550
6	43,300	43,700	47,300	43,700	44,200		43,428	44,800	42,830
7	45,400	44,400	42,900	45,400	45,000		43,335	43,800	42,742
8	44,300	44,500	42,300	42,200	41,700		44,019	45,600	44,628
9	43,200	42,600	46,000	42,300	42,800		43,455	45,200	42,408
10	42,700	45,400	42,300	43,000	43,400		48,577	45,000	42,980
Mean	43,777								
Median	43,659								
Std.Dev.	1,504								
Rel.Std.Dev. (%)	3.43								
n	80								

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		17.00	19.00	17.70	18.05		17.92	20.00	18.57
2	21.00	18.00	19.00	18.30	19.45		17.95	20.30	18.80
3	14.00	19.00	20.00	18.50	18.20		17.86	19.90	18.09
4	20.00	17.00	19.00	17.65	19.10		18.02	19.70	18.08
5	16.00	17.00	20.00	19.05	18.90		18.22	19.90	18.28
6		17.00	18.00	18.65	19.40		18.05	20.30	19.17
7	20.00	19.00	19.00	18.40	19.15		17.95	19.70	18.78
8	23.00	19.00	19.00	18.00	17.95		17.99	20.30	18.46
9	20.00	18.00	18.00	18.45	19.00		17.89	20.00	18.64
10	19.00	18.00	20.00	18.20	19.40		18.72	20.10	18.71
Mean	18.73								
Median	18.71								
Std.Dev.	1.19								
Rel.Std.Dev. (%)	6.34								
n	78								

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		7.300	7.200	8.000	7.300		9.190	8.400	8.300
2		7.400	7.200	7.800	8.300		9.560	8.400	8.300
3		7.400	7.100	7.800	7.800		9.660	8.300	8.100
4		7.500	7.200	7.800	8.100		9.190	8.300	8.400
5		7.200	7.200	8.400	8.100		9.550	8.600	8.300
6		7.400	7.100	8.200	8.200		9.210	8.300	8.200
7		7.400	7.300	8.400	7.100		10.670	8.300	8.300
8		7.400	7.000	7.800	7.700		9.280	8.500	8.700
9		7.200	7.200	8.000	8.100		9.590	7.900	8.500
10	6.000	7.300	7.000	7.900	8.000		9.450	8.200	8.500
Mean	8.056								
Median	8.100								
Std.Dev.	0.808								
Rel.Std.Dev. (%)	10.03								
n	71								

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		4.000		5.000	5.000	3.800	4.800	4.800	5.200
2		4.000	4.000	5.000	5.300	3.900	4.900	4.800	5.500
3			5.000	5.100	5.000	4.100	4.700	5.000	5.100
4		4.000	4.000	5.000	5.300	3.800	4.600	4.800	5.100
5			5.000	5.300	5.300	4.200	4.800	4.900	5.100
6			6.000	5.100	5.300	4.100	4.700	4.900	5.300
7		4.000	4.000	5.000	5.100	3.900	4.900	4.700	5.300
8		4.000	5.000	4.900	5.100	3.700	4.500	4.700	5.200
9				5.100	5.300	3.500	4.600	5.000	5.400
10		4.000	4.000	5.100	5.300	4.300	4.900	4.900	5.300
Mean	4.747								
Median	4.900								
Std.Dev.	0.536								
Rel.Std.Dev. (%)	11.28								
n	74								

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	1,190	1,560	1,540	1,530	1,390		1,480		1,451
2	1,290	1,510	1,470	1,430	1,500		1,451		1,470
3	1,160	1,590	1,540	1,485	1,465		1,466		1,433
4	1,240	1,530	1,460	1,435	1,485		1,478		1,452
5	1,270	1,450	1,490	1,485	1,515		1,490		1,466
6	1,240	1,500	1,580	1,505	1,510		1,426		1,475
7	1,310	1,530	1,470	1,465	1,410		1,434		1,480
8	1,280	1,520	1,490	1,450	1,415		1,441		1,509
9	1,230	1,490	1,520	1,460	1,460		1,470		1,451
10	1,240	1,560	1,480	1,480	1,460		1,567		1,472
Mean	1,449								
Median	1,470								
Std.Dev.	94								
Rel.Std.Dev. (%)	6.48								
n	70								

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				0.480	0.450	0.400	0.450	0.500	0.460
2				0.490	0.470	0.400	0.470	0.500	0.450
3				0.470	0.430	0.400	0.440	0.500	0.470
4				0.460	0.450	0.400	0.400	0.400	0.470
5				0.500	0.460	0.400	0.450	0.400	0.480
6				0.470	0.460	0.400	0.430	0.400	0.420
7				0.460	0.440	0.400	0.490	0.500	0.490
8				0.480	0.440	0.400	0.420		0.480
9				0.470	0.470		0.420	0.500	0.460
10				0.470	0.470	0.400	0.450	0.500	0.470
Mean	0.451								
Median	0.460								
Std.Dev.	0.034								
Rel.Std.Dev. (%)	7.61								
n	58								

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		3.000	3.000	2.870	2.580	2.500	2.573	3.100	2.740
2				2.750	2.710	2.300	2.602	2.700	2.850
3		3.000	2.000	2.700	2.520	2.300	2.589	2.600	2.640
4		3.000	2.000	2.620	2.750	2.500	2.669	3.400	2.690
5				2.830	2.570	2.400	2.653	3.100	2.770
6		2.000	3.000	2.860	2.600	2.600	2.555		2.870
7			2.000	2.970	2.710	2.200	2.624		2.670
8				2.800	2.500	2.300	2.536	3.000	2.690
9			2.000	2.760	2.750	2.500	2.607		2.840
10				2.830	2.780	2.500	2.683		2.820
Mean	2.654								
Median	2.677								
Std.Dev.	0.282								
Rel.Std.Dev. (%)	10.63								
n	66								

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		9.000	11.000	7.530	7.260		8.400	8.400	7.860
2		11.000	11.000	7.460	7.820		8.500	8.400	7.910
3		9.000	10.000	7.380	7.200		8.410	8.300	7.910
4		10.000	11.000	7.250	7.750		8.560	8.300	7.700
5		9.000	10.000	7.920	7.930		8.650	8.300	8.060
6		9.000	10.000	7.520	7.940		8.160	8.400	7.800
7		10.000	11.000	7.590	6.690		8.630	8.300	8.410
8		9.000	11.000	7.590	7.550		8.320	8.400	8.130
9		9.000	11.000	7.410	7.820		8.530	8.200	8.170
10		10.000	11.000	7.380	7.900		8.550	8.400	7.840
Mean	8.583								
Median	8.310								
Std.Dev.	1.131								
Rel.Std.Dev. (%)	13.18								
n	70								

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	3,500	3,400	3,600	3,550	3,710		3,452	3,250	3,840
2	3,800	3,400	3,000	3,650	3,730		3,766	3,190	3,771
3	3,300	3,200	3,500	3,650	3,700		3,678	3,170	3,734
4	3,500	3,200	3,000	3,690	3,680		3,474	3,140	3,700
5	3,800	3,200	3,100	3,830	3,800		3,670	3,170	3,816
6	3,800	3,400	3,600	3,700	3,890		3,403	3,160	3,627
7	3,700	3,400	3,000	3,670	3,590		3,908	3,160	3,761
8	3,500	3,400	3,200	3,790	3,630		3,462	3,160	3,655
9	3,700	3,300	3,600	3,580	3,660		3,493	3,280	3,802
10	3,900	3,200	3,200	3,550	3,710		3,586	3,240	3,843
Mean	3,519								
Median	3,588								
Std.Dev.	250								
Rel.Std.Dev. (%)	7.11								
n	80								

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				1.230	1.160	1.000	1.230	1.200	1.150
2				1.180	1.170	1.000	1.190	1.300	1.130
3				1.180	1.090	1.000	1.230	1.200	1.150
4				1.120	1.210		1.260	1.300	1.150
5				1.240	1.220	1.000	1.250	1.200	1.190
6				1.200	1.200	1.000	1.270	1.300	1.190
7				1.100	1.200	1.000	1.220	1.200	1.200
8				1.180	1.140	1.000	1.200	1.300	1.240
9				1.220	1.190		1.230	1.200	1.160
10				1.190	1.200	1.000	1.350	1.200	1.230
Mean	1.177								
Median	1.200								
Std.Dev.	0.086								
Rel.Std.Dev. (%)	7.30								
n	58								

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				5.200	4.900		5.231	5.600	5.150
2				5.400	5.100		5.510	5.800	5.130
3			6.000	5.200	4.600		5.407	5.600	5.210
4				5.300	4.900		5.215	5.600	5.170
5				5.600	5.200		5.464	5.400	5.260
6			7.000	5.400	5.100		5.435	5.600	5.110
7				5.500	4.800		5.431	5.600	5.420
8				5.500	4.900		5.209	5.500	5.130
9			7.000	5.300	5.000		5.416	5.600	5.400
10				5.300	5.100		5.459	5.600	5.270
Mean	5.382								
Median	5.400								
Std.Dev.	0.412								
Rel.Std.Dev. (%)	7.66								
n	53								

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	130.0	147.0	149.0	150.0	142.0		139.9	139.0	148.0
2	143.0	148.0	135.0	143.0	147.0		139.9	140.0	149.0
3	127.0	149.0	145.0	148.0	143.0		144.8	135.0	147.0
4	135.0	145.0	136.0	144.0	144.0		146.5	138.0	151.0
5	143.0	144.0	134.0	148.0	147.0		143.7	138.0	149.0
6	139.0	145.0	148.0	150.0	147.0		139.7	137.0	148.0
7	145.0	147.0	136.0	153.0	150.0		141.5	132.0	149.0
8	143.0	148.0	135.0	146.0	139.0		139.8	140.0	154.0
9	136.0	144.0	145.0	145.0	144.0		140.4	138.0	150.0
10	139.0	147.0	135.0	146.0	145.0		147.8	138.0	152.0
Mean	143.2								
Median	144.0								
Std.Dev.	5.6								
Rel.Std.Dev. (%)	3.91								
n	80								

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	20.00	20.00	23.00	22.30	22.90		23.12	20.00	22.60
2	20.00	21.00	19.00	23.40	24.10		23.41	19.60	22.10
3	20.00	19.00	23.00	22.80	22.60		22.69	19.40	23.20
4	20.00	20.00	19.00	22.80	23.50		22.41	19.00	21.80
5	10.00	21.00	19.00	24.00	24.50		23.29	18.40	23.50
6	10.00	20.00	23.00	23.40	24.50		22.08	19.40	22.30
7	20.00	21.00	20.00	23.60	23.70		23.36	18.90	23.50
8	20.00	22.00	20.00	24.30	23.40		22.17	19.30	22.20
9	10.00	21.00	22.00	23.60	24.30		22.84	20.20	23.40
10	20.00	20.00	20.00	22.40	24.20		21.76	19.60	24.10
Mean	21.29								
Median	22.09								
Std.Dev.	2.84								
Rel.Std.Dev. (%)	13.35								
n	80								

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		4.000	4.000	4.700	4.700	4.000	5.740	4.700	4.400
2		4.000	4.000	4.900	5.300	4.000		4.500	4.600
3		4.000	4.000	4.800	4.900	4.200	5.690	4.500	4.500
4		4.000	4.000	4.900	5.300	3.700	5.470	4.500	4.500
5		4.000	4.000	5.000	5.300	4.200		4.700	4.400
6		4.000	4.000	5.000	5.400	4.200	5.700	4.600	4.500
7		4.000	4.000	4.900	4.400	3.900		4.600	4.600
8		4.000	4.000	4.900	5.100	3.800	5.530	4.600	4.500
9		4.000	4.000	4.800	5.300	3.500		4.500	4.700
10		4.000	4.000	4.900	5.200	4.200	5.650	4.600	4.600
Mean	4.530								
Median	4.500								
Std.Dev.	0.544								
Rel.Std.Dev. (%)	12.00								
n	76								

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		11.00	11.00	10.00	9.00	6.00	11.00	11.00	11.00
2		10.00	10.00	11.00	9.00	6.00	12.00	13.00	11.00
3	16.00	11.00	11.00	10.00	15.00	7.00	13.00	12.00	10.00
4	14.00	11.00	10.00	10.00	10.00	6.00	12.00	11.00	11.00
5		10.00	10.00	9.00	9.00	7.00	12.00	13.00	11.00
6		12.00	11.00	9.00	9.00	7.00	11.00	11.00	10.00
7		11.00	10.00	9.00	9.00	6.00	10.00	11.00	11.00
8		10.00	10.00	9.00	9.00	6.00	11.00	11.00	11.00
9	15.00	10.00	11.00	9.00	9.00	7.00	11.00	13.00	10.00
10	16.00	11.00	10.00	10.00	9.00	7.00	12.00	11.00	11.00
Mean	10.35								
Median	10.50								
Std.Dev.	2.06								
Rel.Std.Dev. (%)	19.93								
n	84								

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		89.00	91.00	106.00	95.10	81.10	122.86	85.80	109.00
2		91.00	81.00	104.50	103.50	83.40		84.30	113.00
3		89.00	93.00	105.50	96.70	94.30		85.60	118.00
4		90.00	81.00	105.00	102.50	79.30	119.18	83.40	113.00
5		89.00	81.00	111.50	101.50	87.60		84.60	111.00
6		90.00	90.00	104.50	102.50	90.00	121.45	83.80	103.00
7		90.00	82.00	104.50	96.90	80.70		85.70	122.00
8		92.00	81.00	103.50	98.20	77.80	121.93	86.10	123.00
9		87.00	90.00	101.50	103.50	74.20	128.16	84.10	112.00
10		87.00	85.00	104.50	103.00	93.30	129.10	84.50	113.00
Mean	97.01								
Median	93.15								
Std.Dev.	13.72								
Rel.Std.Dev. (%)	14.14								
n	76								

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