Appendix E

Detailed Quality Assurance and Quality Control Results

ICP-AES

ICP-AES Blanks
All blanks are below detection limit (bdl)

Sample	Date	As	Cr	Cu
Blank 1		bdl	bdl	Bdl
Blank 1		bdl	bdl	bdl
Blank 2		bdl	bdl	bdl
Blank 2		bdl	bdl	bdl
Blank 3		bdl	bdl	bdl
Blank 3		bdl	bdl	bdl
Blank 4		bdl	bdl	bdl
Blank 4		bdl	bdl	bdl
Blank 5		bdl	bdl	bdl
Blank 5		bdl	bdl	bdl
Blank 6		bdl	bdl	bdl
Blank 7		bdl	bdl	bdl
Blank		bdl	bdl	bdl
Blank 1		bdl	bdl	bdl
Blank 1		bdl	bdl	bdl
Blank 2		bdl	bdl	bdl
Blank 2		bdl	bdl	bdl
Blank 3		bdl	bdl	bdl
Blank 3		bdl	bdl	bdl
Blank 4		bdl	bdl	bdl
Blank 5		bdl	bdl	bdl
Blank 1		bdl	bdl	bdl
Blank 1		bdl	bdl	bdl
Blank 1		bdl	bdl	bdl
Blank 2		bdl	bdl	bdl
Blank 2		bdl	bdl	bdl
Blank 2		bdl	bdl	bdl
Blank 3		bdl	bdl	bdl
Blank 3		bdl	bdl	bdl
Blank 4		bdl	bdl	bdl
Blank 4		bdl	bdl	bdl

Sample	Date	As	Cr	Cu
Blank 5		bdl	bdl	bdl
Blank 5		bdl	bdl	bdl
Blank 1	2/26/03	bdl	bdl	bdl
Blank 2	2/26/03	bdl	bdl	bdl
Blank 3	2/26/03	bdl	bdl	bdl
Blank 4	2/26/03	bdl	bdl	bdl
Blank 1	4/9/03	bdl	bdl	bdl
Blank 2	4/9/03	bdl	bdl	bdl
Blank 3	4/9/03	bdl	bdl	bdl
Blank	4/17/03	bdl	bdl	bdl
Blank	4/22/03	bdl	bdl	bdl
Blank 1	4/24/03	bdl	bdl	bdl
Blank 2	4/24/03	bdl	bdl	bdl
Blank 3	4/24/03	bdl	bdl	bdl
Blank 4	4/24/03	bdl	bdl	bdl
Blank 5	4/24/03	bdl	bdl	bdl
Blank 6	4/24/03	bdl	bdl	bdl
Blank 7	4/24/03	bdl	bdl	bdl
Blank 1	5/1/03	bdl	bdl	bdl
Blank 2	5/1/03	bdl	bdl	bdl
Blank 3	5/1/03	bdl	bdl	bdl
Blank 4	5/1/03	bdl	bdl	bdl
Blank 1	5/2/03	bdl	bdl	bdl
Blank 2	5/2/03	bdl	bdl	bdl
Blank 3	5/2/03	bdl	bdl	bdl
Blank 4	5/2/03	bdl	bdl	bdl
Blank 5	5/2/03	bdl	bdl	bdl
Blank 6	5/2/03	bdl	bdl	bdl
Blank 7	5/2/03	bdl	bdl	bdl
Blank 8	5/2/03	bdl	bdl	bdl
Blank 1	4/28/03	bdl	bdl	bdl
Blank 2	4/28/03	bdl	bdl	bdl
Blank 3	4/28/03	bdl	bdl	bdl
Blank 4	4/28/03	bdl	bdl	bdl
Blank 5	4/28/03	bdl	bdl	bdl

Sample	Date	As	Cr	Cu
Blank 1	5/8/03	bdl	bdl	bdl
Blank 2	5/8/03	bdl	bdl	bdl
Blank 3	5/8/03	bdl	bdl	bdl
Blank 4	5/8/03	bdl	bdl	bdl
Blank 5	5/8/03	bdl	bdl	bdl
Blank 6	5/8/03	bdl	bdl	bdl
Blank 7	5/8/03	bdl	bdl	bdl
Blank 8	5/8/03	bdl	bdl	bdl
Blank 1	5/13/03	bdl	bdl	bdl
Blank 2	5/13/03	bdl	bdl	bdl
Blank 3	5/13/03	bdl	bdl	bdl
Blank 4	5/13/03	bdl	bdl	bdl
Blank 5	5/13/03	bdl	bdl	bdl
Blank 6	5/13/03	bdl	bdl	bdl
Blank 7	5/13/03	bdl	bdl	bdl

ICP-AES % Recovery Low Spike

Summary			
	As	Cr	Cu
Min	57.0%	68.1%	71.8%
Max	121.9%	120.1%	127.0%
Mean	90.2%	92.4%	98.4%
Std	0.192	0.158	0.165
RSD	21.3%	17.1%	16.8%

Sample	Date	As	Cr	Cu
Low Spike 1		80.5%	88.2%	90.4%
Low Spike 2		85.3%	84.1%	87.6%
Low Spike 3		70.5%	70.3%	71.8%
Low Spike 4		78.8%	85.4%	88.2%
Low Spike 5		72.3%	79.7%	82.8%
Low Spike 6		83.9%	86.1%	87.6%
Low Spike 7		74.5%	82.6%	82.9%
Low Spike 1		81.5%	76.2%	82.5%

Sample	Date	As	Cr	Cu
Low Spike 2		83.6%	75.2%	81.2%
Low Spike		88.5%	92.2%	104.7%
Low Spike 1		60.5%	72.5%	86.4%
Low Spike 2		57.0%	68.1%	78.3%
Low Spike 1		81.9%	98.1%	107.7%
Low Spike 2		85.6%	91.0%	103.7%
Low Spike	4/9/03	116.9%	110.5%	124.0%
Low Spike	4/17/03	89.1%	100.3%	108.3%
Low Spike	4/22/03	118.3%	118.0%	127.0%
Low Spike	4/24/03	105.3%	99.7%	101.7%
Low Spike	4/28/03	119.1%	109.4%	113.2%
Low Spike	5/1/03	92.6%	96.0%	96.4%
Low Spike	5/2/03	115.9%	104.7%	109.9%
Low Spike	5/8/03	111.8%	117.8%	122.8%
Low Spike	5/12/03	121.9%	120.1%	123.1%

ICP-AES % Recovery Medium Spike

Summary			
	As	Cr	Cu
Min	80.7%	81.3%	89.8%
Max	129.4%	127.3%	128.9%
Mean	100.3%	101.5%	105.1%
Std	0.117	0.110	0.110
RSD	11.7%	10.9%	10.5%

Sample	Date	As	Cr	Cu
Med Spike 1		103.3%	107.4%	107.2%
Med Spike 2		99.6%	101.9%	103.4%
Med Spike 3		88.5%	92.8%	92.9%
Med Spike 4		104.4%	108.4%	108.6%
Med Spike 5		101.1%	106.6%	106.4%
Med Spike 6		99.8%	104.3%	103.2%
Med Spike 7		95.0%	101.0%	100.9%
Med Spike		107.8%	107.2%	115.8%

Sample	Date	As	Cr	Cu
Med Spike 1		89.7%	85.3%	92.8%
Med Spike 2		87.8%	81.3%	89.8%
Med Spike 1		96.2%	94.9%	101.2%
Med Spike 2		96.3%	96.3%	102.4%
Med Spike 1		82.9%	87.6%	91.3%
Med Spike 2		80.7%	88.8%	92.7%
Med Spike 1		102.3%	104.4%	106.5%
Med Spike	4/9/03	129.4%	118.8%	128.6%
Med Spike	4/17/03	91.9%	100.4%	106.3%
Med Spike	4/22/03	92.9%	90.5%	96.5%
Med Spike	4/24/03	102.9%	102.7%	103.0%
Med Spike	4/28/03	110.5%	108.9%	111.8%
Med Spike	5/1/03	97.6%	96.8%	97.0%
Med Spike	5/2/03	107.8%	105.1%	111.3%
Med Spike	5/8/03	118.1%	118.5%	124.8%
Med Spike	5/12/03	121.7%	127.3%	128.9%

ICP-AES % Recovery High Spike

Summary			
	As	Cr	Cu
Min	62.8%	79.4%	51.4%
Max	186.1%	143.4%	164.2%
Mean	104.0%	102.2%	105.1%
Std	0.250	0.155	0.211
RSD	24.1%	15.2%	20.1%

Sample	Date	As	Cr	Cu
High Spike 1		78.2%	87.0%	86.1%
High Spike 2		102.0%	108.3%	108.0%
High Spike 3		62.8%	79.4%	51.4%
High Spike 4		103.5%	107.9%	108.4%
High Spike 5		103.6%	108.2%	109.0%
High Spike 6		102.3%	106.8%	108.4%
High Spike 7		102.3%	106.4%	107.4%

Sample	Date	As	Cr	Cu
High Spike		102.5%	97.4%	107.0%
High Spike 1		94.1%	88.6%	96.7%
High Spike 2		93.4%	89.0%	93.7%
High Spike 1		90.1%	87.9%	95.1%
High Spike 2		86.7%	85.0%	92.7%
High Spike 1		105.1%	108.5%	111.7%
High Spike 1		177.5%	142.4%	159.2%
High Spike 2		186.1%	143.4%	164.2%
High Spike 2	2/26/03	95.9%	96.8%	98.4%
High Spike 1	2/26/03	95.1%	95.5%	97.9%
High Spike	4/9/03	91.3%	85.9%	93.7%
High Spike	4/17/03	104.1%	102.2%	108.0%
High Spike	4/22/03	96.9%	91.8%	84.5%
High Spike	4/24/03	100.2%	101.2%	103.0%
High Spike	4/28/03	104.4%	107.9%	107.9%
High Spike	5/1/03	102.6%	98.6%	100.2%
High Spike	5/2/03	103.6%	101.6%	107.2%
High Spike	5/8/03	106.5%	108.7%	113.4%
High Spike	5/12/03	112.4%	120.4%	118.4%

ICP-AES % Recovery Wood Flour Spike

Summary			
	As	Cr	Cu
Min	60.2%	56.0%	71.5%
Max	109.9%	114.4%	132.1%
Mean	90.4%	94.9%	109.5%
Std	0.095%	0.119%	0.126%
RSD	10.6%	12.6%	11.5%

Sample	Date	As	Cr	Cu
Wood Flour Spike 0.0501		87.0%	90.8%	104.1%
Wood Flour Spike 100.0		73.9%	69.8%	88.5%
Wood Flour Spike 100.6		86.7%	85.0%	102.5%
Wood Flour Spike 100.8		96.1%	96.3%	119.6%

Sample	Date	As	Cr	Cu
Wood Flour Spike 103mg		92.6%	84.3%	114.6%
Wood Flour Spike 24.9		71.7%	69.7%	105.8%
Wood Flour Spike 25.0		85.2%	82.8%	97.2%
Wood Flour Spike 25.9		85.8%	88.3%	104.6%
Wood Flour Spike 30mg		60.7%	56.0%	74.7%
Wood Flour Spike 50.2		70.9%	68.1%	83.8%
Wood Flour Spike 50.4		84.1%	83.0%	97.2%
Wood Flour Spike 50.7		90.1%	93.2%	115.3%
Wood Flour Spike 52mg		93.8%	85.4%	115.2%
Wood Flour Spike 0.0255		84.1%	89.0%	106.6%
Wood Flour Spike 0.100		82.2%	83.8%	100.6%
Wood Flour Spike 0.025		92.0%	97.1%	109.4%
Wood Flour Spike 0.025	2/26/03	83.9%	85.5%	96.7%
Wood Flour Spike 0.050	2/26/03	86.8%	89.1%	103.5%
Wood Flour Spike 0.100	2/26/03	87.7%	89.7%	104.6%
Wood Flour Spike 100.3	4/9/03	105.9%	104.5%	130.8%
Wood Flour Spike 24.9	4/9/03	100.1%	102.8%	121.3%
Wood Flour Spike 50.2	4/9/03	100.7%	100.1%	129.0%
Wood Flour Spike 100.9	4/17/03	92.9%	96.9%	114.2%
Wood Flour Spike 25.4	4/17/03	90.9%	98.3%	114.2%
Wood Flour Spike 50.1	4/17/03	92.1%	95.3%	112.3%
Wood Flour Spike 101.1	4/22/03	109.9%	114.4%	132.1%
Wood Flour Spike 24.2	4/22/03	100.0%	107.1%	118.6%
Wood Flour Spike 24.5	4/22/03	97.5%	105.7%	116.6%
Wood Flour Spike 49.0	4/22/03	106.9%	112.4%	131.6%
Wood Flour Spike 100	4/24/03	88.5%	94.5%	105.2%
Wood Flour Spike 101	4/24/03	87.8%	95.2%	103.1%
Wood Flour Spike 24.1	4/24/03	89.6%	95.6%	106.8%
Wood Flour Spike 25.0	4/24/03	87.0%	94.4%	104.4%
Wood Flour Spike 50.0	4/24/03	92.1%	97.8%	108.2%
Wood Flour Spike 50.3	4/24/03	87.9%	94.4%	104.9%
Wood Flour Spike 25.9	4/24/03	83.3%	90.1%	99.1%
Wood Flour Spike 100.4	4/28/03	96.6%	104.5%	117.2%
Wood Flour Spike 25.4	4/28/03	99.1%	102.6%	117.5%
Wood Flour Spike 25.7	4/28/03	91.0%	97.2%	105.6%

Sample	Date	As	Cr	Cu
Wood Flour Spike 49.2	4/28/03	95.3%	100.6%	114.6%
Wood Flour Spike 50.0	4/28/03	97.9%	103.8%	115.7%
Wood Flour Spike 100.8	5/1/03	99.4%	103.7%	115.5%
Wood Flour Spike 24.8	5/1/03	82.3%	88.1%	93.3%
Wood Flour Spike 25.7	5/1/03	76.2%	80.3%	86.3%
Wood Flour Spike 50.8	5/1/03	86.7%	90.3%	99.9%
Wood Flour Spike 100.7	5/2/03	60.2%	63.4%	71.5%
Wood Flour Spike 101.1	5/2/03	94.6%	99.4%	112.0%
Wood Flour Spike 25.0	5/2/03	90.0%	94.4%	104.8%
Wood Flour Spike 25.9	5/2/03	85.9%	90.6%	101.7%
Wood Flour Spike 26.1	5/2/03	92.1%	95.1%	107.1%
Wood Flour Spike 50.1	5/2/03	94.5%	99.4%	109.7%
Wood Flour Spike 51.3	5/2/03	95.2%	100.1%	110.8%
Wood Flour Spike 99.7	5/2/03	68.6%	72.1%	80.8%
Wood Flour Spike 100.0	5/8/03	94.7%	103.0%	119.2%
Wood Flour Spike 24.1	5/8/03	97.9%	105.0%	120.8%
Wood Flour Spike 24.5	5/8/03	95.8%	105.9%	121.2%
Wood Flour Spike 24.9	5/8/03	95.9%	103.5%	117.7%
Wood Flour Spike 50.0	5/8/03	92.8%	103.0%	117.0%
Wood Flour Spike 50.6	5/8/03	98.3%	107.2%	121.9%
Wood Flour Spike 99.1	5/8/03	96.6%	105.0%	119.8%
Wood Flour Spike 99.8	5/8/03	101.3%	110.8%	130.1%
Wood Flour Spike 25.6	5/12/03	98.2%	105.8%	120.6%
Wood Flour Spike 100.1	5/13/03	94.9%	104.5%	115.3%
Wood Flour Spike 100.5	5/13/03	94.2%	106.7%	118.3%
Wood Flour Spike 25.8	5/13/03	95.0%	107.0%	118.2%
Wood Flour Spike 50.2	5/13/03	91.1%	102.0%	112.0%
Wood Flour Spike 50.3	5/13/03	96.7%	104.2%	114.3%
Wood Flour Spike 50.5	5/13/03	92.4%	104.8%	115.7%

Cr+6 Check Samples

Summary	
Min	95.5%
Max	108.0%
Mean	101.2%
Std	0.0309
RSD	3.1%

Sample	Cr+6 ug/L	Measured Concentration	Percent Recovery	Comment
2 PPB CHECK	1.94	1.94	97.0%	
2PB CHECK	2.03	2.03	101.5%	
2PPB CHECK	2.13	2.13	106.5%	
2PPB CHECK	2.03	2.03	101.5%	
2PPB CHECK	2	2	100.0%	
2PPB CHECK	2	2	100.0%	
2PPB CHECK	1.99	1.99	99.5%	
2PPB CHECK	2.01	2.01	100.5%	
2PPB CHECK	1.99	1.99	99.5%	
2PPB CHECK	2.05	2.05	102.5%	
2PPB CHECK	2.02	2.02	101.0%	
2PPB CHECK	2.02	2.02	101.0%	
2PPB CHECK	1.94	1.94	97.0%	
2PPB CHECK	2.02	2.02	101.0%	
2PPB CHECK	2.01	2.01	100.5%	
2PPB CHECK	2.06	2.06	103.0%	
2ppb check	2.16		108.0%	
2ppb check	1.95	1.95	97.5%	
2ppb check	1.91	1.91	95.5%	
2PPB CHECK	1.98	1.98	99.0%	
2PPB CHECK	2.03	2.03	101.5%	
2PPB CHECK	2.14	2.14	107.0%	
2ppb Check	2.14	2.14	107.0%	
2PPB CHECK	2.07	2.07	103.5%	
2ppb check	1.96	1.96	98.0%	
2PPB CHECK	2.02	2.02	101.0%	
2PPBCHECK	2.02	2.02	101.0%	
2PPPB CHECK	2.03	2.03	101.5%	

Cr+6 Blanks

Sample	Cr+6 ug/L	Measured Concentration	Percent Recovery	Comment
BLANK	<0.25		bdl	
BLANK				
blank				
Blank	<0.25		bdl	
BLANK	<0.25		bdl	
BLANK	<0.25		bdl	
BLANK	<0.25		bdl	
BLANK	<0.25		bdl	
Blank	<0.25		bdl	
BLANK	<0.25		bdl	
BLANK	<0.25		bdl	
BLANK				
BLANK	<0.25		bdl	
blank				
blank	<0.25		bdl	
BLANK	<0.25		bdl	
BLANK	<0.25		bdl	
blank	<0.25		bdl	
BLANK	<0.25		bdl	
BLANK	<0.25		bdl	
BLANK	<0.25		bdl	
BLANK	<0.25		bdl	
BLANK				
BLANK	<0.25		bdl	
BLANK	<0.25		bdl	
BLANK	<0.25		bdl	
BLANK	<0.25		bdl	
BLANK				
BLANK				
BLANK	<0.25		bdl	
BLANK	<0.25		bdl	
BLANK	<0.25		bdl	
BLANK				
BLANK	<0.25		bdl	
BLANK	<0.25		bdl	

Cr+6 Duplicates

Sample	Cr+6 ug/L	Measured Concentration	Percent Recovery	Comment
H1100020dup	<0.25		bdl	
H110012QDUP	<0.25		bdl	
H110030Sdup	<0.25		bdl	
H1100620DUP	<0.25		bdl	
H1100722DUP	<0.25		bdl	
H1100722DUP	<0.25		bdl	
H1100788DUP	<0.25		bdl	
H1100857DUP	<0.25		bdl	
H1100915DUP	<0.25		bdl	
H1100915DUP	<0.25		bdl	
H110110RDUP	<0.25		bdl	
H110115WDUP	<0.25		bdl	
H110123WDUP	<0.25		bdl	
H1101587DUP	<0.25		bdl	
H1101587DUP	<0.25		bdl	
H1101656DUP	<0.25		bdl	(0.147)
H110177ADUP	<0.25		bdl	
H110188DDUP	<0.25		bdl	

Cr+6 Spiked Samples

Summary	
Min	66.0%
Max	118.0%
Mean	102.8%
Std	0.114
RSD	11.1%

Sample	Cr+6 ug/L	Measured Concentration	Percent Recovery	Comment
H110025vspk	2.011/2.00	2.011	100.6%	
H110037Zspk	2.09/2.00	2.09	104.5%	
H1100540SPK	2.07/2.00	2.07	103.5%	
H1100562SPK	2.08/2.00	2.08	104.0%	
H110061ZSPK	1.32/2.00	1.32	66.0%	Note: Chromatogram error: -1072mv peak
H1100755SPK	2.02/2.00	2.02	101.0%	
H1100824SPK	1.99/2.00	1.99	99.5%	
H110099DSPK	2.04/2.00	2.04	102.0%	
H110104TSPK	2.28/2.00	2.28	114.0%	
H110113USPK	2.01/2.00	2.01	100.5%	
H110133YSPK	2.13/2.00	2.13	106.5%	
H110140XSPK	2.12/2.00	2.12	106.0%	
H1101452SPK	2.20/2.00	2.2	110.0%	
H1101554SPK	2.36/2.00	2.36	118.0%	
H1101816SPK	2.13/2.00	2.13	106.5%	

ICP-MS Data (Blanks)

Summary			
	As	**Cr**	**Cu**
Min	bdl	0.08	0.05
Max	bdl	0.10	0.15

Sample	Date	As	Cr	Cu
Blank	31-Dec-02	bdl	bdl	bdl
Blank	16-Apr-03	bdl	bdl	bdl
Blank 1	16-Apr-03	bdl	bdl	bdl
Blank 2	16-Apr-03	bdl	bdl	bdl
Blank	17-Apr-03	bdl	bdl	bdl
Blank 1	17-Apr-03	bdl	bdl	0.15
Blank 2	17-Apr-03	bdl	bdl	bdl
Blank	22-Apr-03	bdl	bdl	bdl
Blank	22-Apr-03	bdl	bdl	0.09
Blank	22-Apr-03	bdl	bdl	bdl
Blank 1	22-Apr-03	bdl	bdl	bdl
Blank 2	22-Apr-03	bdl	bdl	bdl
Blank	24-Apr-03	bdl	bdl	bdl
Blank 1	24-Apr-03	bdl	bdl	bdl
Blank 2	24-Apr-03	bdl	bdl	bdl
Blank 3	24-Apr-03	bdl	bdl	bdl
Blank 4	24-Apr-03	bdl	bdl	bdl
Blank	25-Apr-03	bdl	bdl	bdl
Blank 1	25-Apr-03	bdl	bdl	bdl
Blank 3	25-Apr-03	bdl	bdl	bdl
Blank 4	25-Apr-03	bdl	bdl	bdl
Blank 5	25-Apr-03	bdl	bdl	bdl
Blank 6	25-Apr-03	bdl	bdl	bdl
Blank	26-Apr-03	bdl	bdl	bdl
Blank 7	26-Apr-03	bdl	bdl	bdl
Blank	27-Apr-03	bdl	bdl	bdl
Blank 1	27-Apr-03	bdl	0.08	bdl
Blank 2	27-Apr-03	bdl	bdl	bdl

Sample	Date	As	Cr	Cu
Blank	29-Apr-03	bdl	bdl	bdl
Blank 1	29-Apr-03	bdl	bdl	bdl
Blank 2	29-Apr-03	bdl	bdl	bdl
Blank 3	29-Apr-03	bdl	bdl	bdl
Blank 4	29-Apr-03	bdl	bdl	0.09
Blank 5	29-Apr-03	bdl	bdl	bdl
Blank 6	29-Apr-03	bdl	bdl	bdl
Blank 7	29-Apr-03	bdl	bdl	bdl
Blank 1	29-Apr-03	bdl	0.10	bdl
Blank	30-Apr-03	bdl	bdl	bdl
Blank 1	30-Apr-03	bdl	bdl	bdl
Blank 2	30-Apr-03	bdl	bdl	bdl
Blank 3	30-Apr-03	bdl	bdl	bdl
Blank 4	30-Apr-03	bdl	bdl	bdl
Blank	01-May-03	bdl	bdl	bdl
Blank 1	01-May-03	bdl	bdl	bdl
Blank 2	01-May-03	bdl	bdl	bdl
Blank 3	01-May-03	bdl	bdl	bdl
Blank 4	01-May-03	bdl	bdl	bdl
Blank 5	01-May-03	bdl	bdl	0.05
Blank	02-May-03	bdl	bdl	bdl
Blank 1	02-May-03	bdl	bdl	bdl
Blank 2	02-May-03	bdl	bdl	bdl
Blank 3	02-May-03	bdl	bdl	bdl
Blank 4	02-May-03	bdl	bdl	bdl
Blank	03-May-03	bdl	bdl	bdl
Blank 1	03-May-03	bdl	bdl	bdl
Blank 2	03-May-03	bdl	bdl	bdl
Blank 3	03-May-03	bdl	bdl	bdl
Blank 4	03-May-03	bdl	bdl	bdl
Blank 1	03-May-03	bdl	bdl	bdl
Blank 2	03-May-03	bdl	bdl	bdl
Blank	06-May-03	bdl	bdl	bdl
Blank 1	06-May-03	bdl	bdl	bdl
Blank 2	06-May-03	bdl	bdl	bdl

Sample	Date	As	Cr	Cu
Blank 3	06-May-03	bdl	bdl	bdl
Blank 4	06-May-03	bdl	bdl	bdl
Blank	07-May-03	bdl	bdl	bdl
Blank 1	07-May-03	bdl	bdl	0.08
Blank 2	07-May-03	bdl	bdl	bdl
Blank 3	07-May-03	bdl	bdl	bdl
Blank 1	07-May-03	bdl	bdl	bdl
Blank 2	07-May-03	bdl	bdl	bdl
Blank 3	07-May-03	bdl	bdl	bdl
Blank 4	07-May-03	bdl	bdl	bdl
Blank	08-May-03	bdl	bdl	bdl
Blank 1	08-May-03	bdl	bdl	bdl
Blank 2	08-May-03	bdl	bdl	bdl
Blank 3	08-May-03	bdl	bdl	bdl
Blank 4	08-May-03	bdl	bdl	bdl
Blank 5	08-May-03	bdl	bdl	bdl
Blank 6	08-May-03	bdl	bdl	bdl
Blank 7	08-May-03	bdl	bdl	bdl
Blank	11-May-03	bdl	bdl	bdl
Blank 1	11-May-03	bdl	bdl	bdl
Blank 2	11-May-03	bdl	bdl	bdl
Blank 3	11-May-03	bdl	bdl	bdl
Blank 4	11-May-03	bdl	bdl	bdl
Blank 5	11-May-03	bdl	bdl	bdl
Blank 6	11-May-03	bdl	bdl	bdl
Blank 7	11-May-03	bdl	bdl	bdl
Blank	12-May-03	bdl	bdl	bdl
Blank 1	12-May-03	bdl	bdl	bdl
Blank 2	12-May-03	bdl	bdl	bdl
Blank 3	12-May-03	bdl	bdl	bdl
Blank 1	12-May-03	bdl	bdl	bdl
Blank 2	12-May-03	bdl	bdl	bdl
Blank 3	12-May-03	bdl	bdl	bdl
Blank 4	12-May-03	bdl	bdl	bdl
Blank	13-May-03	bdl	bdl	bdl

Sample	Date	As	Cr	Cu
Blank 1	13-May-03	bdl	bdl	0.07
Blank 2	13-May-03	bdl	bdl	bdl
Blank 3	13-May-03	bdl	bdl	bdl
Blank 4	13-May-03	bdl	bdl	bdl
Blank 5	13-May-03	bdl	bdl	bdl
Blank 6	13-May-03	bdl	bdl	bdl
Blank 7	13-May-03	bdl	bdl	bdl
Blank 8	13-May-03	bdl	bdl	bdl
Blank	14-May-03	bdl	bdl	bdl
Blank	19-May-03	bdl	bdl	bdl
Blank 1	19-May-03	bdl	bdl	bdl
Blank 2	19-May-03	bdl	bdl	bdl
Blank 3	19-May-03	bdl	bdl	bdl
Blank 4	19-May-03	bdl	bdl	bdl
Blank 5	19-May-03	bdl	bdl	bdl
Blank	21-May-03	bdl	bdl	bdl
Blank 1	21-May-03	bdl	bdl	bdl
Blank 2	21-May-03	bdl	bdl	bdl
Blank 3	21-May-03	bdl	bdl	bdl
Blank 4	21-May-03	bdl	bdl	bdl
Blank 5	21-May-03	bdl	bdl	bdl
Blank	22-May-03	bdl	bdl	bdl
Blank 1	22-May-03	bdl	bdl	bdl
Blank 2	22-May-03	bdl	bdl	bdl
Blank 3	22-May-03	bdl	bdl	bdl
Blank 4	22-May-03	bdl	bdl	bdl

ICP-MS % Recovery for Low Spikes

Summary			
	As	Cr	Cu
Min	88.3%	85.1%	81.6%
Max	117.6%	112.4%	128.3%
Mean	102.1%	98.2%	101.6%
Stdev	0.08	0.08	0.11
RSD	8.0%	8.1%	11.2%

Sample	Date	As	Cr	Cu
Low Spike 1	16-Apr-03	111.0%	102.2%	107.5%
Low Spike 2	16-Apr-03	116.4%	105.1%	112.4%
Low Spike 1	17-Apr-03	89.1%	92.1%	92.1%
Low Spike 2	17-Apr-03	88.3%	91.0%	90.2%
Low Spike 1	22-Apr-03	115.6%	111.4%	125.5%
Low Spike 2	22-Apr-03	108.9%	101.7%	117.8%
Low Spike 1	24-Apr-03	102.6%	103.8%	102.5%
Low Spike 2	24-Apr-03	102.7%	100.9%	101.2%
Low Spike 1	24-Apr-03	112.0%	104.9%	105.3%
Low Spike 2	24-Apr-03	117.1%	112.4%	112.3%
Low Spike 1	25-Apr-03	95.7%	96.0%	97.4%
Low Spike 2	25-Apr-03	92.8%	92.7%	94.3%
Low Spike 1	27-Apr-03	112.4%	108.8%	111.2%
Low Spike 2	27-Apr-03	112.8%	108.8%	114.8%
Low Spike 1	29-Apr-03	99.7%	102.4%	110.3%
Low Spike 2	29-Apr-03	98.9%	101.3%	109.0%
Low Spike 1	30-Apr-03	96.3%	90.8%	95.1%
Low Spike 2	30-Apr-03	97.2%	91.7%	95.4%
Low Spike 1	01-May-03	96.6%	86.3%	87.0%
Low Spike 2	01-May-03	96.7%	86.3%	90.5%
Low Spike 1	02-May-03	93.2%	89.7%	92.0%
Low Spike 2	02-May-03	92.9%	90.1%	92.6%
Low Spike 1	03-May-03	94.2%	85.1%	81.6%
Low Spike 2	03-May-03	94.0%	85.7%	81.9%
Low Spike 1	03-May-03	91.1%	94.0%	98.2%

Sample	Date	As	Cr	Cu
Low Spike 1	03-May-03	90.8%	93.3%	97.9%
Low Spike 1	06-May-03	97.6%	90.5%	92.1%
Low Spike 2	06-May-03	98.7%	92.4%	94.2%
Low Spike 1	07-May-03	117.6%	103.9%	110.8%
Low Spike 2	07-May-03	102.4%	95.0%	97.1%
Low Spike 1	07-May-03	91.7%	88.8%	90.3%
Low Spike 2	07-May-03	96.8%	91.4%	95.5%
Low Spike 1	11-May-03	115.0%	111.9%	117.2%
Low Spike 2	11-May-03	113.2%	109.5%	116.0%
Low Spike 1	12-May-03	105.5%	103.9%	107.1%
Low Spike 2	12-May-03	106.4%	105.5%	108.2%
Low Spike 2	12-May-03	105.2%	98.2%	96.5%
Low Spike 1	12-May-03	101.0%	92.9%	93.4%
Low Spike 1	13-May-03	102.2%	100.3%	101.1%
Low Spike 2	13-May-03	103.2%	100.5%	100.4%
Low Spike 1	19-May-03	105.6%	110.3%	127.4%
Low Spike 2	19-May-03	105.6%	110.6%	128.3%
Low Spike 1	21-May-03	104.4%	97.5%	94.3%
Low Spike 2	21-May-03	104.4%	97.9%	95.7%
Low Spike 1	22-May-03	97.7%	91.3%	92.3%
Low Spike 2	22-May-03	102.9%	97.3%	98.7%

ICP-MS % Recovery for Medium Spikes

Summary			
	As	Cr	Cu
Min	78.3%	83.9%	81.1%
Max	111.6%	107.7%	113.1%
Mean	97.3%	94.8%	95.1%
Stdev	0.06	0.06	0.08
RSD	6.5%	6.1%	8.2%

Sample	Date	As	Cr	Cu
Med Spike 1	16-Apr-03	97.1%	95.5%	98.4%
Med Spike 2	16-Apr-03	98.3%	96.2%	99.4%
Med Spike 1	17-Apr-03	78.3%	87.6%	86.3%
Med Spike 2	17-Apr-03	93.3%	101.1%	98.2%
Med Spike 1	22-Apr-03	78.3%	84.5%	81.3%
Med Spike 2	22-Apr-03	92.8%	97.4%	95.5%
Med Spike 1	22-Apr-03	92.0%	93.8%	106.0%
Med Spike 2	22-Apr-03	95.8%	95.2%	108.9%
Med Spike 1	24-Apr-03	95.0%	96.0%	94.2%
Med Spike 2	24-Apr-03	97.4%	101.3%	99.1%
Med Spike 1	24-Apr-03	94.1%	93.3%	93.5%
Med Spike 2	24-Apr-03	96.8%	96.0%	96.1%
Med Spike 1	25-Apr-03	101.1%	98.4%	96.6%
Med Spike 2	25-Apr-03	102.4%	99.5%	98.2%
Med Spike 1	27-Apr-03	102.0%	105.6%	107.6%
Med Spike 2	27-Apr-03	98.7%	102.3%	103.5%
Med Spike 1	29-Apr-03	107.1%	107.7%	113.1%
Med Spike 2	29-Apr-03	105.4%	106.9%	112.0%
Med Spike 1	30-Apr-03	100.4%	98.4%	94.1%
Med Spike 2	30-Apr-03	99.6%	97.9%	93.0%
Med Spike 1	01-May-03	103.4%	89.2%	86.4%
Med Spike 2	01-May-03	103.6%	91.1%	87.6%
Med Spike 1	02-May-03	99.0%	100.2%	100.9%
Med Spike 2	02-May-03	99.4%	97.5%	99.4%

Sample	Date	As	Cr	Cu
Med Spike 1	03-May-03	98.3%	86.7%	81.1%
Med Spike 2	03-May-03	99.5%	88.2%	82.0%
Med Spike 1	03-May-03	90.4%	91.7%	95.2%
Med Spike 2	03-May-03	90.3%	91.8%	94.8%
Med Spike 1	06-May-03	94.1%	90.2%	85.4%
Med Spike 2	06-May-03	95.8%	92.9%	87.9%
Med Spike 1	07-May-03	105.7%	94.6%	94.7%
Med Spike 2	07-May-03	111.6%	95.9%	97.8%
Med Spike 1	07-May-03	87.0%	83.9%	83.4%
Med Spike 2	07-May-03	91.1%	84.6%	85.1%
Med Spike 1	08-May-03	99.1%	94.6%	96.3%
Med Spike 2	08-May-03	100.5%	94.1%	96.2%
Med Spike 1	11-May-03	99.9%	94.9%	98.6%
Med Spike 2	11-May-03	96.7%	93.5%	97.1%
Med Spike 1	12-May-03	100.8%	97.0%	96.1%
Med Spike 2	12-May-03	97.5%	94.9%	93.5%
Med Spike 1	12-May-03	94.7%	85.3%	83.6%
Med Spike 2	12-May-03	92.7%	84.1%	82.0%
Med Spike 1	13-May-03	105.5%	101.8%	101.9%
Med Spike 2	13-May-03	107.3%	102.1%	103.5%
Med Spike 1	19-May-03	92.3%	90.0%	92.6%
Med Spike 2	19-May-03	97.2%	94.7%	97.6%
Med Spike 1	21-May-03	94.1%	93.2%	91.3%
Med Spike 2	21-May-03	93.0%	91.9%	90.8%
Med Spike 1	22-May-03	97.8%	96.2%	98.4%
Med Spike 2	22-May-03	98.9%	97.4%	99.5%

ICP-MS % Recovery for High Spikes

	As	Cr	Cu
Min	68.7%	73.0%	71.9%
Max	107.6%	110.9%	109.2%
Mean	96.5%	93.5%	94.5%
Stdev	0.07	0.07	0.07
RSD	7.2%	7.5%	7.8%

Sample	Date	As	Cr	Cu
High 1	16-Apr-03	101.9%	101.1%	102.6%
High 2	16-Apr-03	96.3%	93.2%	97.2%
High 1	17-Apr-03	87.8%	97.2%	93.4%
High 2	17-Apr-03	68.7%	73.0%	71.9%
High 1	22-Apr-03	80.4%	84.2%	80.9%
High 1	22-Apr-03	92.0%	88.3%	105.5%
High 2	22-Apr-03	91.9%	88.2%	106.9%
High 1	24-Apr-03	94.0%	99.7%	97.0%
High 2	24-Apr-03	93.5%	97.1%	96.1%
High 1	24-Apr-03	106.4%	98.0%	101.1%
High 2	24-Apr-03	97.5%	95.0%	96.0%
High 1	25-Apr-03	95.0%	91.0%	89.4%
High 2	25-Apr-03	103.9%	100.3%	99.2%
High 1	27-Apr-03	92.5%	76.9%	94.0%
High 2	27-Apr-03	99.0%	81.3%	101.3%
High 1	29-Apr-03	93.2%	98.6%	98.1%
High 2	29-Apr-03	104.6%	110.9%	109.2%
High 1	30-Apr-03	100.6%	98.4%	99.4%
High 2	30-Apr-03	101.5%	101.2%	102.3%
High 1	01-May-03	103.1%	94.3%	91.0%
High 2	01-May-03	104.6%	96.1%	91.0%
High 1	02-May-03	88.2%	87.9%	88.7%
High 2	02-May-03	98.7%	98.8%	99.2%
High 1	03-May-03	97.8%	85.9%	80.2%
High 2	03-May-03	96.1%	85.6%	80.2%
High 1	03-May-03	91.3%	93.9%	95.0%

Sample	Date	As	Cr	Cu
High 2	03-May-03	87.7%	93.4%	93.8%
High 1	06-May-03	97.3%	94.2%	94.3%
High 2	06-May-03	97.0%	94.5%	94.9%
High 1	07-May-03	104.6%	93.8%	92.9%
High 2	07-May-03	107.6%	93.4%	95.0%
High 1	07-May-03	89.9%	85.1%	85.4%
High 2	07-May-03	93.9%	88.1%	88.1%
High 1	08-May-03	101.9%	100.6%	97.5%
High 2	08-May-03	102.6%	99.6%	97.1%
High 1	11-May-03	95.7%	94.9%	94.9%
High 2	11-May-03	101.3%	98.7%	100.5%
High 1	12-May-03	101.4%	96.6%	96.3%
High 2	12-May-03	103.4%	97.0%	97.3%
High 1	12-May-03	94.6%	84.9%	82.9%
High 2	12-May-03	95.2%	85.3%	83.4%
High 1	13-May-03	105.8%	101.7%	102.7%
High 2	13-May-03	101.0%	98.7%	98.8%
High 1	19-May-03	94.4%	90.9%	94.1%
High 2	19-May-03	93.9%	90.3%	93.5%
High 1	21-May-03	93.2%	93.3%	91.1%
High 2	21-May-03	93.6%	93.9%	92.0%
High 1	22-May-03	97.3%	99.3%	98.7%
High 2	22-May-03	97.0%	98.2%	98.0%

ICP-MS % Recovery on Wood Flour Spikes

	As	Cr	Cu
Min	71.8%	69.2%	77.4%
Max	112.9%	110.7%	120.1%
Mean	91.0%	91.3%	100.7%
Stdev	0.06	0.07	0.09
RSD	6.6%	7.7%	9.0%

Sample Name	Date	As	Cr	Cu
Wood Flour Spike 0.025	16-Apr-03	87.0%	90.1%	98.3%
Wood Flour Spike 0.050	16-Apr-03	91.2%	88.8%	108.7%
Wood Flour Spike 0.100	16-Apr-03	93.0%	89.3%	96.6%
Wood Flour Spike	16-Apr-03	92.0%	91.5%	111.5%
Wood Flour Spike	16-Apr-03	94.6%	92.8%	101.5%
Wood Flour Spike 0.0255	17-Apr-03	85.2%	87.2%	95.0%
Wood Flour Spike 0.050	17-Apr-03	88.4%	87.4%	96.5%
Wood Flour Spike 0.100	17-Apr-03	85.3%	85.4%	93.9%
Wood Flour Spike 0.0242	17-Apr-03	92.2%	94.3%	103.5%
Wood Flour Spike 0.01008	17-Apr-03	91.7%	94.3%	104.0%
Wood Flour Spike 0.0253	22-Apr-03	93.5%	107.8%	111.2%
Wood Flour Spike 0.0260	22-Apr-03	92.4%	105.9%	107.2%
Wood Flour Spike 0.0257	22-Apr-03	91.6%	105.7%	108.2%
Wood Flour Spike 0.0259	22-Apr-03	86.9%	99.0%	101.0%
Wood Flour Spike 0.0253	22-Apr-03	92.7%	106.2%	109.0%
Wood Flour Spike 0.0245	24-Apr-03	93.6%	98.3%	109.1%
Wood Flour Spike 0.0254	24-Apr-03	97.0%	106.8%	119.1%
Wood Flour Spike 0.0509	24-Apr-03	98.6%	106.7%	118.2%
Wood Flour Spike 0.0500	24-Apr-03	91.6%	95.4%	106.5%
Wood Flour Spike 0.0996	24-Apr-03	80.5%	86.3%	93.2%
Wood Flour Spike 0.0245	24-Apr-03	85.8%	99.5%	87.2%
Wood Flour Spike 0.0509	24-Apr-03	84.6%	100.1%	88.0%
Wood Flour Spike 0.0494	24-Apr-03	87.3%	102.4%	90.8%
Wood Flour Spike 100.4	24-Apr-03	84.5%	100.6%	89.0%
Wood Flour Spike 100.7	24-Apr-03	78.1%	94.0%	82.7%
Wood Flour Spike 0.0494	25-Apr-03	92.0%	90.5%	105.8%
Wood Flour Spike 0.0250	25-Apr-03	106.6%	104.0%	107.1%

Sample Name	Date	As	Cr	Cu
Wood Flour Spike 0.0252	25-Apr-03	98.5%	96.9%	98.2%
Wood Flour Spike 0.0497	25-Apr-03	86.1%	89.1%	95.2%
Wood Flour Spike 0.0506	25-Apr-03	85.4%	87.6%	95.6%
Wood Flour Spike 0.0503	25-Apr-03	80.0%	82.9%	88.7%
Wood Flour Spike 0.0992	25-Apr-03	88.3%	91.2%	98.4%
Wood Flour Spike 0.1000	25-Apr-03	81.1%	84.2%	90.6%
Wood Flour Spike 0.0254	27-Apr-03	91.6%	85.9%	93.9%
Wood Flour Spike 0.0259	27-Apr-03	90.2%	87.1%	95.8%
Wood Flour Spike 0.0493	27-Apr-03	93.7%	89.9%	96.8%
Wood Flour Spike 0.0501	27-Apr-03	97.5%	89.9%	99.4%
Wood Flour Spike 0.0991	27-Apr-03	98.6%	92.7%	103.3%
Wood Flour Spike 0.0991	27-Apr-03	89.3%	84.3%	91.3%
Wood Flour Spike 0.0254	29-Apr-03	98.6%	100.3%	120.1%
Wood Flour Spike 0.0257	29-Apr-03	85.2%	91.0%	107.7%
Wood Flour Spike 0.0501	29-Apr-03	96.0%	100.8%	115.3%
Wood Flour Spike 0.0501	29-Apr-03	99.0%	99.3%	116.1%
Wood Flour Spike 0.0509	29-Apr-03	88.7%	94.7%	109.2%
Wood Flour Spike 0.0991	29-Apr-03	96.3%	99.0%	114.9%
Wood Flour Spike 0.0996	29-Apr-03	98.2%	100.1%	113.7%
Wood Flour Spike 0.0999	29-Apr-03	92.2%	95.8%	112.8%
Wood Flour Spike 0.0250	30-Apr-03	88.2%	90.2%	100.4%
Wood Flour Spike 0.0246	30-Apr-03	88.1%	90.1%	100.5%
Wood Flour Spike 0.0506	30-Apr-03	86.7%	89.0%	102.4%
Wood Flour Spike 0.1012	30-Apr-03	87.5%	89.3%	104.6%
Wood Flour Spike 0.0993	30-Apr-03	90.8%	91.5%	107.6%
Wood Flour Spike 0.0258	01-May-03	88.4%	83.1%	91.8%
Wood Flour Spike 0.0245	01-May-03	91.9%	88.1%	95.2%
Wood Flour Spike 0.0491	01-May-03	86.9%	87.1%	89.8%
Wood Flour Spike 0.0498	01-May-03	88.2%	89.1%	90.7%
Wood Flour Spike 0.1013	01-May-03	88.7%	91.0%	95.4%
Wood Flour Spike 0.0248	02-May-03	97.8%	85.7%	84.8%
Wood Flour Spike 0.0493	02-May-03	92.7%	84.3%	82.6%
Wood Flour Spike 0.0995	02-May-03	94.7%	86.9%	83.7%
Wood Flour Spike 0.1007	02-May-03	96.0%	82.7%	93.1%
Wood Flour Spike 0.0244	03-May-03	86.6%	85.0%	93.6%

Sample Name	Date	As	Cr	Cu
Wood Flour Spike 0.0258	03-May-03	91.1%	89.4%	95.8%
Wood Flour Spike 0.0509	03-May-03	82.7%	81.5%	88.0%
Wood Flour Spike 0.1002	03-May-03	91.1%	91.6%	99.4%
Wood Flour Spike 0.0258	03-May-03	85.1%	81.9%	104.8%
Wood Flour Spike 0.0494	03-May-03	87.8%	93.7%	106.4%
Wood Flour Spike 0.0999	03-May-03	86.2%	94.4%	107.0%
Wood Flour Spike 0.0244	06-May-03	91.0%	91.0%	97.8%
Wood Flour Spike 0.0512	06-May-03	87.2%	82.1%	100.5%
Wood Flour Spike 0.0494	06-May-03	86.6%	88.7%	100.4%
Wood Flour Spike 0.100	06-May-03	89.1%	86.2%	104.5%
Wood Flour Spike 0.0245	07-May-03	88.5%	86.9%	93.4%
Wood Flour Spike 0.0508	07-May-03	89.3%	90.6%	93.4%
Wood Flour Spike 0.100	07-May-03	91.9%	93.0%	98.4%
Wood Flour Spike 0.0247	07-May-03	85.3%	85.5%	95.4%
Wood Flour Spike 0.0261	07-May-03	85.0%	85.2%	95.8%
Wood Flour Spike 0.0509	07-May-03	85.1%	83.1%	93.5%
Wood Flour Spike 0.1003	07-May-03	87.9%	92.3%	98.1%
Wood Flour Spike 0.0249	08-May-03	90.9%	86.5%	81.8%
Wood Flour Spike 0.0250	08-May-03	100.4%	96.3%	90.2%
Wood Flour Spike 0.0504	08-May-03	88.5%	80.2%	88.1%
Wood Flour Spike 0.051	08-May-03	97.9%	94.8%	99.8%
Wood Flour Spike 0.0513	08-May-03	94.7%	93.6%	109.2%
Wood Flour Spike 0.0995	08-May-03	86.5%	85.5%	99.6%
Wood Flour Spike 0.100	08-May-03	98.2%	97.6%	113.3%
Wood Flour Spike 0.0255	11-May-03	91.8%	88.3%	101.0%
Wood Flour Spike 0.0242	11-May-03	94.6%	90.0%	107.4%
Wood Flour Spike 0.0261	11-May-03	99.4%	95.5%	111.9%
Wood Flour Spike 0.0513	11-May-03	99.9%	97.2%	111.9%
Wood Flour Spike 0.0502	11-May-03	99.4%	96.6%	110.6%
Wood Flour Spike 0.1001	11-May-03	94.4%	90.9%	106.9%
Wood Flour Spike 0.0997	11-May-03	92.9%	90.3%	103.7%
Wood Flour Spike 0.0256	12-May-03	95.3%	92.5%	109.4%
Wood Flour Spike 0.0507	12-May-03	94.0%	86.0%	107.3%
Wood Flour Spike 0.1007	12-May-03	96.0%	96.2%	116.1%
Wood Flour Spike 0.0261	12-May-03	91.5%	91.5%	104.0%

Sample Name	Date	As	Cr	Cu
Wood Flour Spike 0.0497	12-May-03	94.8%	94.3%	108.8%
Wood Flour Spike 0.100	12-May-03	98.0%	98.6%	110.7%
Wood Flour Spike 0.1001	12-May-03	97.3%	97.6%	109.7%
Wood Flour Spike 0.0242	13-May-03	78.4%	74.5%	85.5%
Wood Flour Spike 0.0252	13-May-03	84.2%	79.2%	90.8%
Wood Flour Spike 0.0257	13-May-03	78.7%	77.1%	86.0%
Wood Flour Spike 0.0507	13-May-03	90.5%	90.6%	101.8%
Wood Flour Spike 0.0514	13-May-03	85.9%	85.8%	95.8%
Wood Flour Spike 0.0992	13-May-03	71.8%	69.2%	77.4%
Wood Flour Spike 0.0993	13-May-03	84.2%	84.9%	95.0%
Wood Flour Spike 0.0248	19-May-03	96.3%	93.3%	107.0%
Wood Flour Spike 0.0493	19-May-03	91.3%	88.1%	103.6%
Wood Flour Spike 0.0504	19-May-03	98.9%	90.6%	110.3%
Wood Flour Spike 0.0995	19-May-03	91.5%	88.3%	102.5%
Wood Flour Spike 0.1007	19-May-03	94.3%	85.1%	108.9%
Wood Flour Spike 0.0250	21-May-03	112.9%	110.7%	116.5%
Wood Flour Spike 0.0993	21-May-03	88.3%	87.4%	98.8%
Wood Flour Spike 0.0504	21-May-03	100.3%	99.2%	107.4%
Wood Flour Spike 0.1001	21-May-03	96.1%	94.9%	105.7%
Wood Flour Spike 0.1009	21-May-03	88.3%	86.3%	97.3%
Wood Flour Spike 0.0242	22-May-03	98.3%	95.6%	106.0%
Wood Flour Spike 0.0495	22-May-03	91.6%	90.9%	99.5%
Wood Flour Spike 0.1005	22-May-03	90.3%	88.4%	100.0%
Wood Flour Spike 0.1019	22-May-03	91.1%	89.1%	102.5%

ICP-MS Relative Percent Differences on Duplicates

	As	Cr	Cu
Min	0.2%	0.0%	0.3%
Max	28.3%	60.0%	37.1%
Mean	6.7%	10.9%	7.3%
Stdev	0.06	0.11	0.09

Sample	Date	As	Cr	Cu
H1004354	16-Apr-03	10.2%	10.7%	4.7%
H1003919	16-Apr-03	bdl	bdl	bdl
H100421Y	16-Apr-03	bdl	bdl	bdl
H1004194	16-Apr-03	28.3%	34.7%	17.3%
H1003555	16-Apr-03	0.2%	4.2%	18.5%
H1004605	22-Apr-03	15.3%	33.6%	11.1%
H1005095	22-Apr-03	15.1%	bdl	4.6%
H1004503	22-Apr-03	12.9%	16.1%	3.9%
H1004616	22-Apr-03	1.7%	3.3%	0.7%
H1006269	27-Apr-03	bdl	29.0%	18.5%
H100577H	27-Apr-03	8.1%	16.8%	2.3%
H100573D	27-Apr-03	5.7%	10.8%	0.5%
H100596K	27-Apr-03	3.2%	0.9%	1.4%
H100587J	27-Apr-03	4.6%	60.0%	5.3%
H100774K	30-Apr-03	3.7%	4.6%	0.3%
H100785N	30-Apr-03	5.9%	8.4%	0.3%
H100776M	30-Apr-03	5.7%	9.7%	16.7%
H100745F	30-Apr-03	11.0%	11.6%	4.6%
H100816D	02-May-03	2.2%	1.3%	3.7%
H100847K	02-May-03	6.6%	9.3%	1.2%
H100797R	02-May-03	1.8%	3.1%	1.9%
H100833E	02-May-03	1.7%	1.9%	1.1%
H100965P	03-May-03	8.9%	11.4%	8.2%
H100880L	03-May-03	10.5%	12.0%	6.1%
H100974Q	03-May-03	5.6%	6.3%	0.9%
H100928K	03-May-03	12.9%	14.4%	0.9%
H100882N	03-May-03	0.3%	3.9%	3.6%

Sample	Date	As	Cr	Cu
H100945L	06-May-03	4.9%	7.9%	3.1%
H100933H	06-May-03	8.7%	10.7%	5.6%
H100924G	06-May-03	14.0%	14.7%	10.0%
H100921D	06-May-03	10.6%	16.9%	4.6%
H1009019	06-May-03	7.3%	7.1%	4.2%
H1011644	11-May-03	0.2%	4.3%	2.4%
H1011702	11-May-03	7.9%	15.9%	1.3%
H1011440	11-May-03	1.5%	4.4%	1.7%
H101117X	11-May-03	9.9%	12.6%	3.4%
H1011495	11-May-03	bdl	bdl	2.1%
H100503Z	19-May-03	11.5%	4.9%	15.6%
H100565D	19-May-03	5.1%	0.8%	1.7%
H100666H	19-May-03	1.5%	1.7%	2.2%
H1007046	19-May-03	1.2%	1.2%	1.2%
H100690H	19-May-03	0.8%	0.6%	1.2%
H100709B	19-May-03	1.4%	1.8%	1.6%
H1007780	19-May-03	0.5%	15.1%	15.1%
H101041U	19-May-03	2.9%	1.4%	31.7%
H1010801	19-May-03	11.6%	16.1%	18.9%
H100644B	19-May-03	4.7%	13.3%	15.2%
H100684J	21-May-03	14.6%	27.9%	23.7%
H100662D	21-May-03	2.6%	10.5%	1.5%
H1006338	21-May-03	2.9%	7.0%	0.3%
H100689O	21-May-03	bdl	bdl	bdl
H100635A	21-May-03	5.7%	3.4%	0.5%
H100691I	21-May-03	0.7%	0.0%	0.3%
H1007206	21-May-03	14.0%	33.4%	28.9%
H101007S	21-May-03	8.0%	16.5%	13.9%
H101038Z	21-May-03	18.2%	38.4%	25.3%
H100665G	21-May-03	8.5%	11.5%	37.1%
H100647E	22-May-03	9.3%	11.3%	4.4%
H1007057	22-May-03	1.4%	3.7%	0.7%
H1006316	22-May-03	1.1%	2.4%	4.6%
H100619A	22-May-03	2.2%	3.0%	1.5%
H100652B	22-May-03	1.4%	0.6%	0.9%

Sample	Date	As	Cr	Cu
H100648F	22-May-03	0.5%	7.3%	9.0%
H100645C	22-May-03	9.7%	5.7%	12.6%
H101019W	22-May-03	14.6%	2.8%	9.1%

ICP-MS % Recovery on Spiked Samples

Summary			
	As	Cr	Cu
Min	45.3%	54.0%	81.7%
Max	103.5%	103.5%	115.0%
Mean	95.1%	93.3%	95.4%
Stdev	0.075%	0.070%	0.066%
RSD	7.9%	7.5%	6.9%

Sample Name	Date	As	Cr	Cu
H1003431	16-Apr-03	95.7%	94.2%	95.5%
H1003613	16-Apr-03	98.1%	95.6%	95.8%
H1004343	16-Apr-03	99.2%	95.1%	97.3%
H1003624	16-Apr-03	101.7%	99.1%	101.1%
H1003282	16-Apr-03	95.7%	92.4%	97.5%
H100474B	22-Apr-03	93.2%	84.1%	105.7%
H1004489	24-Apr-03	89.2%	99.0%	92.8%
H1004558	24-Apr-03	90.3%	97.6%	92.6%
H100489I	24-Apr-03	91.4%	100.5%	92.8%
H1004478	24-Apr-03	90.5%	97.6%	93.8%
H100479B	24-Apr-03	90.1%	99.4%	93.6%
H1005459	27-Apr-03	98.5%	98.6%	99.8%
H1006101	27-Apr-03	98.7%	99.4%	100.3%
H1004376	27-Apr-03	100.6%	99.5%	100.4%
H1003806	27-Apr-03	97.4%	95.2%	98.0%
H100376A	30-Apr-03	92.3%	89.0%	94.6%
H100378C	30-Apr-03	96.0%	92.2%	97.6%
H100756I	30-Apr-03	97.9%	96.4%	96.2%

Sample Name	Date	As	Cr	Cu
H100822B	30-Apr-03	100.7%	95.7%	98.0%
H100752E	30-Apr-03	98.9%	95.6%	90.4%
H100782K	30-Apr-03	99.1%	96.9%	91.6%
H100751D	30-Apr-03	91.2%	85.9%	84.8%
H1008129	02-May-03	99.1%	97.1%	98.5%
H100814B	02-May-03	99.3%	98.6%	98.8%
H100846J	02-May-03	97.9%	95.8%	96.3%
H100815C	02-May-03	96.7%	93.9%	90.7%
H100944K	03-May-03	89.8%	86.4%	91.7%
H100938M	03-May-03	88.9%	87.6%	92.8%
H100914E	03-May-03	91.8%	93.1%	97.5%
H100946M	03-May-03	93.0%	95.4%	98.9%
H100926I	06-May-03	95.4%	90.4%	90.7%
H100888T	06-May-03	96.9%	92.0%	86.6%
H100941H	06-May-03	93.1%	89.3%	90.7%
H100957P	06-May-03	99.1%	97.2%	95.4%
H100931F	06-May-03	95.4%	89.6%	91.4%
H101116W	11-May-03	95.9%	90.9%	94.7%
H101110Q	11-May-03	95.6%	93.2%	97.4%
H1011484	11-May-03	96.2%	95.5%	99.6%
H101112S	11-May-03	95.7%	92.7%	99.0%
H100395D	19-May-03	99.7%	100.1%	115.0%
H100341Z	19-May-03	87.8%	85.1%	94.1%
H100503Z	19-May-03	90.8%	97.5%	107.5%
H1005528	19-May-03	85.2%	94.0%	103.2%
H100981P	19-May-03	97.6%	82.7%	81.7%
H101013Q	19-May-03	98.0%	94.9%	93.8%
H100636B	21-May-03	92.3%	85.1%	86.2%
H1007115	21-May-03	92.7%	88.4%	88.7%
H100684J	21-May-03	91.0%	86.2%	85.7%
H100716A	21-May-03	90.6%	87.1%	86.7%
H1007159	21-May-03	90.7%	85.5%	85.4%
H100691I	21-May-03	103.5%	103.5%	108.0%
H100693K	21-May-03	102.6%	100.8%	106.8%
H100696N	21-May-03	102.4%	101.8%	96.4%

Sample Name	Date	As	Cr	Cu
H100738G	21-May-03	102.7%	102.3%	107.2%
H100976S	21-May-03	97.7%	91.7%	92.4%
H1010721	21-May-03	98.6%	97.4%	97.0%
H101042V	21-May-03	96.2%	90.8%	92.5%
H100548C	21-May-03	100.7%	87.7%	83.6%
H101115V	21-May-03	45.3%	54.0%	82.5%
H100651A	22-May-03	94.6%	95.6%	93.7%
H100708A	22-May-03	96.3%	92.1%	95.0%
H100682H	22-May-03	95.2%	91.0%	93.4%
H1007319	22-May-03	96.3%	93.1%	95.3%
H1007104	22-May-03	97.1%	93.3%	96.2%
H1007079	22-May-03	100.1%	99.3%	104.4%
H100679M	22-May-03	102.3%	101.4%	106.1%