# 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% |