

## Method 200.8 - Summary Report

### Sample ID: Blank

Sample Date/Time: Thursday, December 13, 2001 16:00:27

Sample Type: Sample

Sample Description:

Number of Replicates: 3

Batch ID:

Method File: d:\Elandata\Method\NEWQ200.8.mth

Dataset File: d:\Elandata\Dataset\daily performance\Blank.621

Sample Prep Volume (mL):

Initial Sample Quantity (mg):

Aliquot Volume (mL):

Diluted To Volume (mL):

|                  |                 |
|------------------|-----------------|
| DATE ANALYZED    | <u>12/13/01</u> |
| TIME ANALYZED    | <u>4:00</u>     |
| ANALYST INITIALS | <u>LD</u>       |
| REVIEWED BY      | <u>AB</u>       |

### Concentration Results

|   | Analyte | Mass | Meas. Intens. Mean | Meas. Intens. RSD | Net Intens. Mean | Conc. Mean | Conc. RSD | Sample Unit |
|---|---------|------|--------------------|-------------------|------------------|------------|-----------|-------------|
|   | Be      | 9    | 22.667             | 20.377            |                  |            |           | ug/L        |
| > | Sc-1    | 45   | 759964.001         | 0.449             |                  |            |           | ug/L        |
|   | Cr      | 52   | 11889.065          | 1.516             |                  |            |           | ug/L        |
|   | Cr      | 53   | 945.707            | 5.045             |                  |            |           | ug/L        |
|   | Mn      | 55   | 849.367            | 1.179             |                  |            |           | ug/L        |
|   | Ni      | 60   | 1521.815           | 97.971            |                  |            |           | ug/L        |
|   | Cu      | 63   | 3440.115           | 2.015             |                  |            |           | ug/L        |
|   | Cu      | 65   | 1734.456           | 0.318             |                  |            |           | ug/L        |
|   | Zn      | 66   | 2478.573           | 1.574             |                  |            |           | ug/L        |
|   | Zn      | 67   | 465.012            | 1.138             |                  |            |           | ug/L        |
|   | Zn      | 68   | 1812.133           | 4.290             |                  |            |           | ug/L        |
| > | Ge      | 72   | 152300.481         | 1.351             |                  |            |           | ug/L        |
|   | As      | 75   | 133.994            | 33.607            |                  |            |           | ug/L        |
|   | Se      | 77   | 173.003            | 3.059             |                  |            |           | ug/L        |
|   | Se      | 82   | 201.337            | 11.286            |                  |            |           | ug/L        |
|   | Y       | 89   | 1897706.475        | 0.217             |                  |            |           | ug/L        |
|   | Ag      | 107  | 983.377            | 4.473             |                  |            |           | ug/L        |
| > | In      | 115  | 2259838.819        | 1.377             |                  |            |           | ug/L        |
|   | Sb      | 121  | 930.706            | 3.144             |                  |            |           | ug/L        |
|   | Sb      | 123  | 762.309            | 2.409             |                  |            |           | ug/L        |
|   | Ba      | 135  | 1104.387           | 3.184             |                  |            |           | ug/L        |
|   | Ba      | 137  | 1851.805           | 2.358             |                  |            |           | ug/L        |
|   | Tb      | 159  | 3099661.598        | 0.456             |                  |            |           | ug/L        |
| > | Ho      | 165  | 3091299.634        | 1.242             |                  |            |           | ug/L        |
|   | Bi      | 209  | 1967324.970        | 0.362             |                  |            |           | ug/L        |
|   | Tl      | 205  | 231.671            | 8.148             |                  |            |           | ug/L        |
|   | Pb      | 208  | 7520.510           | 1.355             |                  |            |           | ug/L        |
|   | Au      | 197  | 1534198.416        | 0.701             |                  |            |           | mg/L        |

Reviewed by,  
*AB* 1/13/02

Sample ID: Blank

Report Date/Time: Thursday, December 13, 2001 16:02:11

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# *QC Calculated Values*

|   | Analyte | Mass | QC Std % Recovery | Int Std % Recovery | Spike % Recovery | Dilution % Diff | Dup. Rel. % Diff |
|---|---------|------|-------------------|--------------------|------------------|-----------------|------------------|
| [ | Be      | 9    |                   |                    |                  |                 |                  |
| > | Sc-1    | 45   |                   |                    |                  |                 |                  |
|   | Cr      | 52   |                   |                    |                  |                 |                  |
|   | Cr      | 53   |                   |                    |                  |                 |                  |
|   | Mn      | 55   |                   |                    |                  |                 |                  |
|   | Ni      | 60   |                   |                    |                  |                 |                  |
|   | Cu      | 63   |                   |                    |                  |                 |                  |
|   | Cu      | 65   |                   |                    |                  |                 |                  |
| [ | Zn      | 66   |                   |                    |                  |                 |                  |
|   | Zn      | 67   |                   |                    |                  |                 |                  |
|   | Zn      | 68   |                   |                    |                  |                 |                  |
| > | Ge      | 72   |                   |                    |                  |                 |                  |
|   | As      | 75   |                   |                    |                  |                 |                  |
|   | Se      | 77   |                   |                    |                  |                 |                  |
|   | Se      | 82   |                   |                    |                  |                 |                  |
| [ | Y       | 89   |                   |                    |                  |                 |                  |
|   | Ag      | 107  |                   |                    |                  |                 |                  |
| > | In      | 115  |                   |                    |                  |                 |                  |
|   | Sb      | 121  |                   |                    |                  |                 |                  |
|   | Sb      | 123  |                   |                    |                  |                 |                  |
| [ | Ba      | 135  |                   |                    |                  |                 |                  |
|   | Ba      | 137  |                   |                    |                  |                 |                  |
|   | Tb      | 159  |                   |                    |                  |                 |                  |
| > | Ho      | 165  |                   |                    |                  |                 |                  |
|   | Bi      | 209  |                   |                    |                  |                 |                  |
|   | Tl      | 205  |                   |                    |                  |                 |                  |
|   | Pb      | 208  |                   |                    |                  |                 |                  |
|   | Au      | 197  |                   |                    |                  |                 |                  |

Sample ID: Blank

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## Method 200.8 - Summary Report

### Sample ID: Standard 1

Sample Date/Time: Thursday, December 13, 2001 16:03:35

Sample Type: Sample

Sample Description: 60 PPB

Number of Replicates: 3

Batch ID:

Method File: d:\Elandata\Method\NEWQ200.8.mth

Dataset File: d:\Elandata\Dataset\daily performance\Standard 1.622

Sample Prep Volume (mL):

Initial Sample Quantity (mg):

Aliquot Volume (mL):

Diluted To Volume (mL):

### Concentration Results

|   | Analyte | Mass | Meas. Intens. Mean | Meas. Intens. RSD | Net Intens. Mean | Conc. Mean | Conc. RSD | Sample Unit |
|---|---------|------|--------------------|-------------------|------------------|------------|-----------|-------------|
| [ | Be      | 9    | 36900.967          | 0.697             | 0.049            | 60.00000   | 0.98      | ug/L        |
| > | Sc-1    | 45   | 754742.210         | 0.761             | 754742.210       |            |           | ug/L        |
| [ | Cr      | 52   | 867187.586         | 1.824             | 1.133            | 60.00000   | 1.96      | ug/L        |
| [ | Cr      | 53   | 104236.341         | 1.662             | 0.137            | 60.00000   | 2.16      | ug/L        |
| [ | Mn      | 55   | 1374895.285        | 1.587             | 1.821            | 60.00000   | 1.56      | ug/L        |
| [ | Ni      | 60   | 249313.341         | 1.154             | 0.328            | 60.00000   | 1.84      | ug/L        |
| [ | Cu      | 63   | 573483.788         | 2.468             | 0.755            | 60.00000   | 2.65      | ug/L        |
| [ | Cu      | 65   | 277096.567         | 2.292             | 0.365            | 60.00000   | 2.78      | ug/L        |
| [ | Zn      | 66   | 188208.316         | 1.165             | 1.207            | 60.00000   | 1.66      | ug/L        |
| [ | Zn      | 67   | 32474.194          | 0.828             | 0.208            | 60.00000   | 0.92      | ug/L        |
| [ | Zn      | 68   | 137882.251         | 0.337             | 0.884            | 60.00000   | 0.79      | ug/L        |
| > | Ge      | 72   | 153856.332         | 1.052             | 153856.332       |            |           | ug/L        |
| [ | As      | 75   | 194909.332         | 2.645             | 1.266            | 60.00000   | 3.46      | ug/L        |
| [ | Se      | 77   | 17496.886          | 1.949             | 0.113            | 60.00000   | 0.93      | ug/L        |
| [ | Se      | 82   | 23639.799          | 3.868             | 0.152            | 60.00000   | 4.83      | ug/L        |
| [ | Y       | 89   | 1855509.297        | 0.870             | -0.025           |            |           | ug/L        |
| [ | Ag      | 107  | 1058378.750        | 0.710             | 0.464            | 60.00000   | 0.55      | ug/L        |
| > | In      | 115  | 2276737.613        | 1.250             | 2276737.613      |            |           | ug/L        |
| [ | Sb      | 121  | 851495.129         | 0.679             | 0.374            | 60.00000   | 1.55      | ug/L        |
| [ | Sb      | 123  | 663504.280         | 0.361             | 0.291            | 60.00000   | 1.57      | ug/L        |
| [ | Ba      | 135  | 262278.385         | 0.498             | 0.084            | 60.00000   | 0.88      | ug/L        |
| [ | Ba      | 137  | 456004.628         | 0.706             | 0.146            | 60.00000   | 1.00      | ug/L        |
| [ | Tb      | 159  | 3107708.036        | 0.116             | -0.005           |            |           | ug/L        |
| > | Ho      | 165  | 3116449.916        | 0.445             | 3116449.916      |            |           | ug/L        |
| [ | Bi      | 209  | 1944246.699        | 0.798             | -0.013           |            |           | ug/L        |
| [ | Tl      | 205  | 2908975.244        | 1.533             | 0.933            | 60.00000   | 1.10      | ug/L        |
| [ | Pb      | 208  | 3727828.073        | 2.307             | 1.194            | 60.00000   | 2.65      | ug/L        |
| [ | Au      | 197  | 1317428.081        | 3.765             | -0.074           |            |           | mg/L        |

Sample ID: Standard 1

Report Date/Time: Thursday, December 13, 2001 16:05:19

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# *QC Calculated Values*

|   | Analyte | Mass | QC Std % Recovery | Int Std % Recovery | Spike % Recovery | Dilution % Diff | Dup. Rel. % Diff |
|---|---------|------|-------------------|--------------------|------------------|-----------------|------------------|
| [ | Be      | 9    |                   |                    |                  |                 |                  |
| > | Sc-1    | 45   |                   |                    |                  |                 |                  |
|   | Cr      | 52   |                   |                    |                  |                 |                  |
|   | Cr      | 53   |                   |                    |                  |                 |                  |
|   | Mn      | 55   |                   |                    |                  |                 |                  |
|   | Ni      | 60   |                   |                    |                  |                 |                  |
|   | Cu      | 63   |                   |                    |                  |                 |                  |
| [ | Cu      | 65   |                   |                    |                  |                 |                  |
| [ | Zn      | 66   |                   |                    |                  |                 |                  |
|   | Zn      | 67   |                   |                    |                  |                 |                  |
|   | Zn      | 68   |                   |                    |                  |                 |                  |
| > | Ge      | 72   |                   |                    |                  |                 |                  |
|   | As      | 75   |                   |                    |                  |                 |                  |
|   | Se      | 77   |                   |                    |                  |                 |                  |
| [ | Se      | 82   |                   |                    |                  |                 |                  |
| [ | Y       | 89   |                   |                    |                  |                 |                  |
|   | Ag      | 107  |                   |                    |                  |                 |                  |
| > | In      | 115  |                   |                    |                  |                 |                  |
|   | Sb      | 121  |                   |                    |                  |                 |                  |
| [ | Sb      | 123  |                   |                    |                  |                 |                  |
| [ | Ba      | 135  |                   |                    |                  |                 |                  |
|   | Ba      | 137  |                   |                    |                  |                 |                  |
|   | Tb      | 159  |                   |                    |                  |                 |                  |
| > | Ho      | 165  |                   |                    |                  |                 |                  |
|   | Bi      | 209  |                   |                    |                  |                 |                  |
|   | Tl      | 205  |                   |                    |                  |                 |                  |
|   | Pb      | 208  |                   |                    |                  |                 |                  |
| [ | Au      | 197  |                   |                    |                  |                 |                  |

## Method 200.8 - Summary Report

### Sample ID: Standard 2

Sample Date/Time: Thursday, December 13, 2001 16:07:07

Sample Type: Sample

Sample Description: 120 PPB

Number of Replicates: 3

Batch ID:

Method File: d:\Elandata\Method\NEWQ200.8.mth

Dataset File: d:\Elandata\Dataset\daily performance\Standard 2.623

Sample Prep Volume (mL):

Initial Sample Quantity (mg):

Aliquot Volume (mL):

Diluted To Volume (mL):

### Concentration Results

|   | Analyte | Mass | Meas. Intens. Mean | Meas. Intens. RSD | Net Intens. Mean | Conc. Mean | Conc. RSD | Sample Unit |
|---|---------|------|--------------------|-------------------|------------------|------------|-----------|-------------|
|   | Be      | 9    | 72117.301          | 0.819             | 0.093            | 118.71476  | 2.54      | ug/L        |
| > | Sc-1    | 45   | 777881.635         | 1.937             | 777881.635       |            |           | ug/L        |
|   | Cr      | 52   | 1705012.451        | 0.711             | 2.177            | 119.01808  | 2.62      | ug/L        |
|   | Cr      | 53   | 208819.003         | 2.201             | 0.267            | 119.42193  | 3.18      | ug/L        |
|   | Mn      | 55   | 2966389.833        | 0.521             | 3.813            | 121.09155  | 1.51      | ug/L        |
|   | Ni      | 60   | 503487.158         | 0.820             | 0.645            | 119.58071  | 1.90      | ug/L        |
|   | Cu      | 63   | 1107301.109        | 1.996             | 1.419            | 118.47629  | 3.19      | ug/L        |
|   | Cu      | 65   | 548079.653         | 1.099             | 0.703            | 119.07712  | 2.96      | ug/L        |
|   | Zn      | 66   | 342391.307         | 0.498             | 2.197            | 117.67042  | 0.40      | ug/L        |
|   | Zn      | 67   | 60712.011          | 0.693             | 0.389            | 118.37815  | 1.40      | ug/L        |
|   | Zn      | 68   | 250794.328         | 1.298             | 1.609            | 117.66860  | 2.06      | ug/L        |
| > | Ge      | 72   | 154719.221         | 0.744             | 154719.221       |            |           | ug/L        |
|   | As      | 75   | 381937.545         | 0.392             | 2.468            | 119.37456  | 0.41      | ug/L        |
|   | Se      | 77   | 32923.559          | 0.872             | 0.212            | 118.49019  | 1.45      | ug/L        |
|   | Se      | 82   | 44424.078          | 0.797             | 0.286            | 118.43037  | 0.14      | ug/L        |
|   | Y       | 89   | 1875163.259        | 0.210             | -0.021           |            |           | ug/L        |
|   | Ag      | 107  | 2191822.337        | 1.952             | 0.957            | 120.70452  | 1.84      | ug/L        |
| > | In      | 115  | 2289661.664        | 0.493             | 2289661.664      |            |           | ug/L        |
|   | Sb      | 121  | 1664695.557        | 0.301             | 0.727            | 119.32331  | 0.78      | ug/L        |
|   | Sb      | 123  | 1292015.091        | 0.498             | 0.564            | 119.22589  | 0.43      | ug/L        |
|   | Ba      | 135  | 519349.769         | 1.200             | 0.166            | 119.70861  | 2.57      | ug/L        |
|   | Ba      | 137  | 884508.021         | 0.754             | 0.282            | 119.20310  | 2.24      | ug/L        |
|   | Tb      | 159  | 3128345.478        | 1.436             | -0.003           |            |           | ug/L        |
| > | Ho      | 165  | 3130311.614        | 1.474             | 3130311.614      |            |           | ug/L        |
|   | Bi      | 209  | 1980084.540        | 1.161             | -0.004           |            |           | ug/L        |
|   | Tl      | 205  | 5825945.230        | 1.075             | 1.861            | 119.92976  | 1.03      | ug/L        |
|   | Pb      | 208  | 7440680.441        | 0.994             | 2.375            | 119.86966  | 1.06      | ug/L        |
|   | Au      | 197  | 744796.398         | 4.542             | -0.258           |            |           | mg/L        |

Sample ID: Standard 2

Report Date/Time: Thursday, December 13, 2001 16:08:51

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*QC Calculated Values*

|   | Analyte | Mass | QC Std % Recovery | Int Std % Recovery | Spike % Recovery | Dilution % Diff | Dup. Rel. % Diff |
|---|---------|------|-------------------|--------------------|------------------|-----------------|------------------|
| [ | Be      | 9    |                   |                    |                  |                 |                  |
| > | Sc-1    | 45   |                   |                    |                  |                 |                  |
|   | Cr      | 52   |                   |                    |                  |                 |                  |
|   | Cr      | 53   |                   |                    |                  |                 |                  |
|   | Mn      | 55   |                   |                    |                  |                 |                  |
|   | Ni      | 60   |                   |                    |                  |                 |                  |
|   | Cu      | 63   |                   |                    |                  |                 |                  |
|   | Cu      | 65   |                   |                    |                  |                 |                  |
| [ | Zn      | 66   |                   |                    |                  |                 |                  |
|   | Zn      | 67   |                   |                    |                  |                 |                  |
|   | Zn      | 68   |                   |                    |                  |                 |                  |
| > | Ge      | 72   |                   |                    |                  |                 |                  |
|   | As      | 75   |                   |                    |                  |                 |                  |
|   | Se      | 77   |                   |                    |                  |                 |                  |
|   | Se      | 82   |                   |                    |                  |                 |                  |
| [ | Y       | 89   |                   |                    |                  |                 |                  |
|   | Ag      | 107  |                   |                    |                  |                 |                  |
| > | In      | 115  |                   |                    |                  |                 |                  |
|   | Sb      | 121  |                   |                    |                  |                 |                  |
|   | Sb      | 123  |                   |                    |                  |                 |                  |
| [ | Ba      | 135  |                   |                    |                  |                 |                  |
|   | Ba      | 137  |                   |                    |                  |                 |                  |
|   | Tb      | 159  |                   |                    |                  |                 |                  |
| > | Ho      | 165  |                   |                    |                  |                 |                  |
|   | Bi      | 209  |                   |                    |                  |                 |                  |
|   | Tl      | 205  |                   |                    |                  |                 |                  |
|   | Pb      | 208  |                   |                    |                  |                 |                  |
|   | Au      | 197  |                   |                    |                  |                 |                  |

## Method 200.8 - Summary Report

### Sample ID: CAL BK

Sample Date/Time: Thursday, December 13, 2001 16:13:55

Sample Type: Sample

Sample Description: CV

Number of Replicates: 3

Batch ID:

Method File: d:\Elandata\Method\NEWQ200.8.mth

Dataset File: d:\Elandata\Dataset\daily performance\CAL BK.624

Sample Prep Volume (mL):

Initial Sample Quantity (mg):

Aliquot Volume (mL):

Diluted To Volume (mL):

### Concentration Results

|   | Analyte | Mass | Meas. Intens. Mean | Meas. Intens. RSD | Net Intens. Mean | Conc. Mean | Conc. RSD | Sample Unit |
|---|---------|------|--------------------|-------------------|------------------|------------|-----------|-------------|
| [ | Be      | 9    | 21.334             | 21.137            | -0.000           | -0.00232   | 308.06    | ug/L        |
| > | Sc-1    | 45   | 760383.043         | 1.218             | 760383.043       |            |           | ug/L        |
|   | Cr      | 52   | 11958.125          | 2.685             | 0.000            | 0.00442    | 350.29    | ug/L        |
|   | Cr      | 53   | 844.700            | 5.574             | -0.000           | -0.05945   | 54.00     | ug/L        |
|   | Mn      | 55   | 1215.731           | 9.065             | 0.000            | 0.01525    | 26.20     | ug/L        |
|   | Ni      | 60   | 1107.055           | 20.406            | -0.001           | -0.10159   | 51.39     | ug/L        |
|   | Cu      | 63   | 4133.307           | 4.622             | 0.001            | 0.07576    | 20.43     | ug/L        |
| [ | Cu      | 65   | 1991.826           | 6.291             | 0.000            | 0.05702    | 41.71     | ug/L        |
| [ | Zn      | 66   | 4602.133           | 15.835            | 0.014            | 0.75240    | 31.34     | ug/L        |
|   | Zn      | 67   | 809.365            | 12.634            | 0.002            | 0.69333    | 26.52     | ug/L        |
|   | Zn      | 68   | 3370.104           | 14.755            | 0.010            | 0.75365    | 28.96     | ug/L        |
| > | Ge      | 72   | 151601.415         | 1.241             | 151601.415       |            |           | ug/L        |
|   | As      | 75   | 165.417            | 33.092            | 0.000            | 0.01017    | 170.34    | ug/L        |
|   | Se      | 77   | 173.669            | 7.986             | 0.000            | 0.00549    | 959.65    | ug/L        |
| [ | Se      | 82   | 208.004            | 13.539            | 0.000            | 0.02093    | 377.34    | ug/L        |
| [ | Y       | 89   | 1876920.585        | 0.504             | -0.008           |            |           | ug/L        |
|   | Ag      | 107  | 2334.216           | 12.927            | 0.001            | 0.07542    | 20.80     | ug/L        |
| > | In      | 115  | 2258077.185        | 0.889             | 2258077.185      |            |           | ug/L        |
|   | Sb      | 121  | 1692.784           | 7.956             | 0.000            | 0.05542    | 15.74     | ug/L        |
| [ | Sb      | 123  | 1292.443           | 6.729             | 0.000            | 0.04965    | 14.23     | ug/L        |
| [ | Ba      | 135  | 1208.397           | 2.312             | 0.000            | 0.02028    | 42.88     | ug/L        |
|   | Ba      | 137  | 2037.166           | 4.881             | 0.000            | 0.02137    | 70.68     | ug/L        |
|   | Tb      | 159  | 3099518.966        | 1.430             | -0.015           |            |           | ug/L        |
| > | Ho      | 165  | 3136760.468        | 0.846             | 3136760.468      |            |           | ug/L        |
|   | Bi      | 209  | 1939957.639        | 1.402             | -0.018           |            |           | ug/L        |
|   | Tl      | 205  | 555.016            | 13.007            | 0.000            | 0.00657    | 22.72     | ug/L        |
|   | Pb      | 208  | 9525.002           | 5.394             | 0.001            | 0.03052    | 30.56     | ug/L        |
| [ | Au      | 197  | 1500201.289        | 0.456             | -0.018           |            |           | mg/L        |

All LWD

Sample ID: CAL BK

Report Date/Time: Thursday, December 13, 2001 16:15:39

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*QC Calculated Values*

|   | Analyte | Mass | QC Std % Recovery | Int Std % Recovery | Spike % Recovery | Dilution % Diff | Dup. Rel. % Diff |
|---|---------|------|-------------------|--------------------|------------------|-----------------|------------------|
| [ | Be      | 9    |                   |                    |                  |                 |                  |
| > | Sc-1    | 45   |                   | 100.055            |                  |                 |                  |
|   | Cr      | 52   |                   |                    |                  |                 |                  |
|   | Cr      | 53   |                   |                    |                  |                 |                  |
|   | Mn.     | 55   |                   |                    |                  |                 |                  |
|   | Ni      | 60   |                   |                    |                  |                 |                  |
|   | Cu      | 63   |                   |                    |                  |                 |                  |
|   | Cu      | 65   |                   |                    |                  |                 |                  |
|   | Zn      | 66   |                   |                    |                  |                 |                  |
|   | Zn      | 67   |                   |                    |                  |                 |                  |
|   | Zn      | 68   |                   |                    |                  |                 |                  |
| > | Ge      | 72   |                   | 99.541             |                  |                 |                  |
|   | As      | 75   |                   |                    |                  |                 |                  |
|   | Se      | 77   |                   |                    |                  |                 |                  |
|   | Se      | 82   |                   |                    |                  |                 |                  |
|   | Y       | 89   |                   |                    |                  |                 |                  |
|   | Ag      | 107  |                   |                    |                  |                 |                  |
| > | In      | 115  |                   | 99.922             |                  |                 |                  |
|   | Sb      | 121  |                   |                    |                  |                 |                  |
|   | Sb      | 123  |                   |                    |                  |                 |                  |
|   | Ba      | 135  |                   |                    |                  |                 |                  |
|   | Ba      | 137  |                   |                    |                  |                 |                  |
|   | Tb      | 159  |                   |                    |                  |                 |                  |
| > | Ho      | 165  |                   | 101.471            |                  |                 |                  |
|   | Bi      | 209  |                   |                    |                  |                 |                  |
|   | Tl      | 205  |                   |                    |                  |                 |                  |
|   | Pb      | 208  |                   |                    |                  |                 |                  |
|   | Au      | 197  |                   |                    |                  |                 |                  |

Sample ID: CAL BK

Report Date/Time: Thursday, December 13, 2001 16:15:39

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## Method 200.8 - Summary Report

### Sample ID: STD 1

Sample Date/Time: Thursday, December 13, 2001 16:17:16

Sample Type: Sample

Sample Description: 60 PPB CV

Number of Replicates: 3

Batch ID:

Method File: d:\Elandata\Method\NEWQ200.8.mth

Dataset File: d:\Elandata\Dataset\daily performance\STD 1.625

Sample Prep Volume (mL):

Initial Sample Quantity (mg):

Aliquot Volume (mL):

Diluted To Volume (mL):

### Concentration Results

|   | Analyte | Mass | Meas. Intens. Mean | Meas. Intens. RSD | Net Intens. Mean | Conc. Mean | Conc. RSD | Sample Unit |
|---|---------|------|--------------------|-------------------|------------------|------------|-----------|-------------|
| [ | Be      | 9    | 36780.323          | 0.770             | 0.049            | 62.56127   | 0.96      | ug/L        |
| > | Sc-1    | 45   | 752389.556         | 0.951             | 752389.556       |            |           | ug/L        |
|   | Cr      | 52   | 863670.704         | 1.186             | 1.132            | 61.90216   | 0.52      | ug/L        |
|   | Cr      | 53   | 103812.219         | 0.946             | 0.137            | 61.09962   | 1.89      | ug/L        |
|   | Mn      | 55   | 1373242.086        | 2.364             | 1.824            | 57.93074   | 2.58      | ug/L        |
|   | Ni      | 60   | 248515.979         | 1.236             | 0.328            | 60.83040   | 1.29      | ug/L        |
|   | Cu      | 63   | 563016.266         | 0.918             | 0.744            | 62.08886   | 1.87      | ug/L        |
| [ | Cu      | 65   | 275637.965         | 0.903             | 0.364            | 61.71251   | 1.79      | ug/L        |
| [ | Zn      | 66   | 187550.309         | 0.382             | 1.243            | 66.56818   | 1.03      | ug/L        |
|   | Zn      | 67   | 32502.927          | 0.863             | 0.215            | 65.40412   | 0.87      | ug/L        |
|   | Zn      | 68   | 134819.548         | 0.747             | 0.893            | 65.30404   | 0.34      | ug/L        |
| > | Ge      | 72   | 148973.914         | 0.785             | 148973.914       |            |           | ug/L        |
|   | As      | 75   | 195989.582         | 1.254             | 1.315            | 63.60096   | 1.55      | ug/L        |
|   | Se      | 77   | 17458.169          | 0.393             | 0.116            | 64.96605   | 0.55      | ug/L        |
| [ | Se      | 82   | 23579.680          | 0.588             | 0.157            | 65.04049   | 0.21      | ug/L        |
| [ | Y       | 89   | 1887922.333        | 1.510             | -0.019           |            |           | ug/L        |
|   | Ag      | 107  | 1054798.132        | 1.526             | 0.458            | 57.78237   | 0.99      | ug/L        |
| > | In      | 115  | 2300808.524        | 1.845             | 2300808.524      |            |           | ug/L        |
|   | Sb      | 121  | 841927.854         | 0.025             | 0.366            | 60.03455   | 1.85      | ug/L        |
| [ | Sb      | 123  | 653927.974         | 0.172             | 0.284            | 60.02843   | 1.73      | ug/L        |
| [ | Ba      | 135  | 258448.587         | 0.945             | 0.082            | 59.27200   | 0.83      | ug/L        |
|   | Ba      | 137  | 448959.039         | 0.877             | 0.142            | 60.21005   | 0.97      | ug/L        |
|   | Tb      | 159  | 3118002.165        | 1.447             | -0.009           |            |           | ug/L        |
| > | Ho      | 165  | 3138465.991        | 0.126             | 3138465.991      |            |           | ug/L        |
|   | Bi      | 209  | 1936387.907        | 0.366             | -0.019           |            |           | ug/L        |
|   | Tl      | 205  | 2933509.683        | 1.267             | 0.935            | 60.22365   | 1.16      | ug/L        |
|   | Pb      | 208  | 3633947.418        | 0.336             | 1.155            | 58.32344   | 0.31      | ug/L        |
| [ | Au      | 197  | 1303623.998        | 3.477             | -0.081           |            |           | mg/L        |

Sample ID: STD 1

Report Date/Time: Thursday, December 13, 2001 16:19:00

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### QC Calculated Values

|   | Analyte | Mass | QC Std % Recovery | Int Std % Recovery | Spike % Recovery | Dilution % Diff | Dup. Rel. % Diff |
|---|---------|------|-------------------|--------------------|------------------|-----------------|------------------|
| [ | Be      | 9    |                   |                    |                  |                 |                  |
| > | Sc-1    | 45   |                   | 99.003             |                  |                 |                  |
|   | Cr      | 52   |                   |                    |                  |                 |                  |
|   | Cr      | 53   |                   |                    |                  |                 |                  |
|   | Mn      | 55   |                   |                    |                  |                 |                  |
|   | Ni      | 60   |                   |                    |                  |                 |                  |
|   | Cu      | 63   |                   |                    |                  |                 |                  |
|   | Cu      | 65   |                   |                    |                  |                 |                  |
| [ | Zn      | 66   |                   |                    |                  |                 |                  |
|   | Zn      | 67   |                   |                    |                  |                 |                  |
|   | Zn      | 68   |                   |                    |                  |                 |                  |
| > | Ge      | 72   |                   | 97.816             |                  |                 |                  |
|   | As      | 75   |                   |                    |                  |                 |                  |
|   | Se      | 77   |                   |                    |                  |                 |                  |
|   | Se      | 82   |                   |                    |                  |                 |                  |
| [ | Y       | 89   |                   |                    |                  |                 |                  |
|   | Ag      | 107  |                   |                    |                  |                 |                  |
| > | In      | 115  |                   | 101.813            |                  |                 |                  |
|   | Sb      | 121  |                   |                    |                  |                 |                  |
|   | Sb      | 123  |                   |                    |                  |                 |                  |
| [ | Ba      | 135  |                   |                    |                  |                 |                  |
|   | Ba      | 137  |                   |                    |                  |                 |                  |
|   | Tb      | 159  |                   |                    |                  |                 |                  |
| > | Ho      | 165  |                   | 101.526            |                  |                 |                  |
|   | Bi      | 209  |                   |                    |                  |                 |                  |
|   | Tl      | 205  |                   |                    |                  |                 |                  |
|   | Pb      | 208  |                   |                    |                  |                 |                  |
|   | Au      | 197  |                   |                    |                  |                 |                  |

Sample ID: STD 1

Report Date/Time: Thursday, December 13, 2001 16:19:00

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## Method 200.8 - Summary Report

### Sample ID: STD 2

Sample Date/Time: Thursday, December 13, 2001 16:21:08

Sample Type: Sample

Sample Description: 12PPB CV

Number of Replicates: 3

Batch ID:

Method File: d:\Elandata\Method\NEWQ200.8.mth

Dataset File: d:\Elandata\Dataset\daily performance\STD 2.626

Sample Prep Volume (mL):

Initial Sample Quantity (mg):

Aliquot Volume (mL):

Diluted To Volume (mL):

### Concentration Results

|   | Analyte | Mass | Meas. Intens. Mean | Meas. Intens. RSD | Net Intens. Mean | Conc. Mean | Conc. RSD | Sample Unit |
|---|---------|------|--------------------|-------------------|------------------|------------|-----------|-------------|
|   | Be      | 9    | 71158.495          | 0.439             | 0.094            | 120.93174  | 0.95      | ug/L        |
| > | Sc-1    | 45   | 753258.541         | 0.550             | 753258.541       |            |           | ug/L        |
|   | Cr      | 52   | 1707510.210        | 0.255             | 2.251            | 123.07968  | 0.74      | ug/L        |
|   | Cr      | 53   | 209656.031         | 0.645             | 0.277            | 123.80700  | 0.97      | ug/L        |
|   | Mn      | 55   | 2946040.752        | 1.633             | 3.910            | 124.17730  | 2.08      | ug/L        |
|   | Ni      | 60   | 500323.593         | 0.913             | 0.662            | 122.69453  | 0.36      | ug/L        |
|   | Cu      | 63   | 1098817.806        | 0.702             | 1.454            | 121.38156  | 0.54      | ug/L        |
|   | Cu      | 65   | 536574.902         | 0.430             | 0.710            | 120.34783  | 0.18      | ug/L        |
|   | Zn      | 66   | 339519.126         | 0.990             | 2.220            | 118.89951  | 1.08      | ug/L        |
|   | Zn      | 67   | 60565.723          | 0.587             | 0.396            | 120.33690  | 0.90      | ug/L        |
|   | Zn      | 68   | 247697.841         | 1.784             | 1.619            | 118.39800  | 0.70      | ug/L        |
| > | Ge      | 72   | 151851.705         | 1.112             | 151851.705       |            |           | ug/L        |
|   | As      | 75   | 379529.818         | 0.556             | 2.499            | 120.87464  | 1.63      | ug/L        |
|   | Se      | 77   | 32285.102          | 1.614             | 0.211            | 118.37678  | 0.97      | ug/L        |
|   | Se      | 82   | 43150.839          | 0.813             | 0.283            | 117.20769  | 0.80      | ug/L        |
|   | Y       | 89   | 1836129.100        | 0.407             | -0.026           |            |           | ug/L        |
|   | Ag      | 107  | 2110530.991        | 4.621             | 0.935            | 117.90815  | 5.29      | ug/L        |
| > | In      | 115  | 2257569.876        | 0.704             | 2257569.876      |            |           | ug/L        |
|   | Sb      | 121  | 1633467.025        | 0.282             | 0.723            | 118.74868  | 0.52      | ug/L        |
|   | Sb      | 123  | 1279133.926        | 0.231             | 0.566            | 119.71791  | 0.60      | ug/L        |
|   | Ba      | 135  | 514943.528         | 0.679             | 0.163            | 118.11535  | 0.68      | ug/L        |
|   | Ba      | 137  | 880289.224         | 1.150             | 0.279            | 118.05713  | 0.61      | ug/L        |
|   | Tb      | 159  | 3148267.298        | 0.555             | -0.002           |            |           | ug/L        |
| > | Ho      | 165  | 3144803.615        | 0.584             | 3144803.615      |            |           | ug/L        |
|   | Bi      | 209  | 1950408.661        | 1.042             | -0.016           |            |           | ug/L        |
|   | Tl      | 205  | 5842943.012        | 0.687             | 1.858            | 119.72273  | 1.25      | ug/L        |
|   | Pb      | 208  | 7389670.254        | 0.951             | 2.347            | 118.49490  | 1.45      | ug/L        |
|   | Au      | 197  | 746288.648         | 3.179             | -0.259           |            |           | mg/L        |

Sample ID: STD 2

Report Date/Time: Thursday, December 13, 2001 16:22:52

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### QC Calculated Values

| Analyte | Mass | QC Std % Recovery | Int Std % Recovery | Spike % Recovery | Dilution % Diff | Dup. Rel. % Diff |
|---------|------|-------------------|--------------------|------------------|-----------------|------------------|
| Be      | 9    |                   |                    |                  |                 |                  |
| > Sc-1  | 45   |                   | 99.118             |                  |                 |                  |
| Cr      | 52   |                   |                    |                  |                 |                  |
| Cr      | 53   |                   |                    |                  |                 |                  |
| Mn      | 55   |                   |                    |                  |                 |                  |
| Ni      | 60   |                   |                    |                  |                 |                  |
| Cu      | 63   |                   |                    |                  |                 |                  |
| Cu      | 65   |                   |                    |                  |                 |                  |
| Zn      | 66   |                   |                    |                  |                 |                  |
| Zn      | 67   |                   |                    |                  |                 |                  |
| Zn      | 68   |                   |                    |                  |                 |                  |
| > Ge    | 72   |                   | 99.705             |                  |                 |                  |
| As      | 75   |                   |                    |                  |                 |                  |
| Se      | 77   |                   |                    |                  |                 |                  |
| Se      | 82   |                   |                    |                  |                 |                  |
| Y       | 89   |                   |                    |                  |                 |                  |
| Ag      | 107  |                   |                    |                  |                 |                  |
| > In    | 115  |                   | 99.900             |                  |                 |                  |
| Sb      | 121  |                   |                    |                  |                 |                  |
| Sb      | 123  |                   |                    |                  |                 |                  |
| Ba      | 135  |                   |                    |                  |                 |                  |
| Ba      | 137  |                   |                    |                  |                 |                  |
| Tb      | 159  |                   |                    |                  |                 |                  |
| > Ho    | 165  |                   | 101.731            |                  |                 |                  |
| Bi      | 209  |                   |                    |                  |                 |                  |
| Tl      | 205  |                   |                    |                  |                 |                  |
| Pb      | 208  |                   |                    |                  |                 |                  |
| Au      | 197  |                   |                    |                  |                 |                  |

Sample ID: STD 2

Report Date/Time: Thursday, December 13, 2001 16:22:52

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## Method 200.8 - Summary Report

### Sample ID: QCS

Sample Date/Time: Thursday, December 13, 2001 16:27:10

Sample Type: Sample

Sample Description: 100 PPB

Number of Replicates: 3

Batch ID:

Method File: d:\Elandata\Method\NEWQ200.8.mth

Dataset File: d:\Elandata\Dataset\daily performance\QCS.627

Sample Prep Volume (mL):

Initial Sample Quantity (mg):

Aliquot Volume (mL):

Diluted To Volume (mL):

### Concentration Results

|   | Analyte | Mass | Meas. Intens. Mean | Meas. Intens. RSD | Net Intens. Mean | Conc. Mean | Conc. RSD | Sample Unit |
|---|---------|------|--------------------|-------------------|------------------|------------|-----------|-------------|
| [ | Be      | 9    | 59122.681          | 0.421             | 0.078            | 100.43146  | 1.34      | ug/L        |
| > | Sc-1    | 45   | 753589.678         | 0.922             | 753589.678       |            |           | ug/L        |
|   | Cr      | 52   | 1396000.880        | 2.468             | 1.837            | 100.42569  | 2.52      | ug/L        |
|   | Cr      | 53   | 169318.898         | 0.860             | 0.223            | 99.83699   | 1.04      | ug/L        |
|   | Mn      | 55   | 2374032.337        | 0.376             | 3.149            | 100.01412  | 0.84      | ug/L        |
|   | Ni      | 60   | 404854.807         | 2.633             | 0.535            | 99.16005   | 1.81      | ug/L        |
|   | Cu      | 63   | 909663.980         | 0.886             | 1.203            | 100.37851  | 0.65      | ug/L        |
|   | Cu      | 65   | 447489.811         | 1.367             | 0.592            | 100.26332  | 1.62      | ug/L        |
| [ | Zn      | 66   | 286551.551         | 0.157             | 1.911            | 102.34236  | 1.11      | ug/L        |
|   | Zn      | 67   | 49769.735          | 2.141             | 0.332            | 100.82563  | 2.87      | ug/L        |
|   | Zn      | 68   | 207785.299         | 0.563             | 1.385            | 101.29849  | 1.52      | ug/L        |
| > | Ge      | 72   | 148727.070         | 1.218             | 148727.070       |            |           | ug/L        |
|   | As      | 75   | 312425.075         | 0.724             | 2.100            | 101.57900  | 0.63      | ug/L        |
|   | Se      | 77   | 26519.196          | 2.000             | 0.177            | 99.17459   | 1.31      | ug/L        |
|   | Se      | 82   | 36735.551          | 2.010             | 0.246            | 101.79995  | 1.30      | ug/L        |
| [ | Y       | 89   | 1853773.829        | 2.080             | -0.043           |            |           | ug/L        |
|   | Ag      | 107  | 1693237.388        | 1.120             | 0.727            | 91.76098   | 1.48      | ug/L        |
| > | In      | 115  | 2326510.881        | 0.372             | 2326510.881      |            |           | ug/L        |
|   | Sb      | 121  | 1357523.616        | 0.202             | 0.583            | 95.74956   | 0.43      | ug/L        |
|   | Sb      | 123  | 1067146.722        | 0.611             | 0.458            | 96.90357   | 0.92      | ug/L        |
| [ | Ba      | 135  | 427905.538         | 1.519             | 0.136            | 97.96890   | 2.20      | ug/L        |
|   | Ba      | 137  | 730482.706         | 0.535             | 0.231            | 97.78724   | 1.60      | ug/L        |
|   | Tb      | 159  | 3150463.346        | 0.799             | -0.002           |            |           | ug/L        |
| > | Ho      | 165  | 3149584.022        | 1.065             | 3149584.022      |            |           | ug/L        |
|   | Bi      | 209  | 1941592.923        | 0.889             | -0.020           |            |           | ug/L        |
|   | Tl      | 205  | 4752067.699        | 0.631             | 1.509            | 97.22823   | 1.63      | ug/L        |
|   | Pb      | 208  | 6160269.689        | 1.316             | 1.953            | 98.60602   | 0.85      | ug/L        |
|   | Au      | 197  | 569344.527         | 3.732             | -0.315           |            |           | mg/L        |

Sample ID: QCS

Report Date/Time: Thursday, December 13, 2001 16:28:54

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### QC Calculated Values

|   | Analyte | Mass | QC Std % Recovery | Int Std % Recovery | Spike % Recovery | Dilution % Diff | Dup. Rel. % Diff |
|---|---------|------|-------------------|--------------------|------------------|-----------------|------------------|
| [ | Be      | 9    |                   |                    |                  |                 |                  |
| > | Sc-1    | 45   |                   | 99.161             |                  |                 |                  |
|   | Cr      | 52   |                   |                    |                  |                 |                  |
|   | Cr      | 53   |                   |                    |                  |                 |                  |
|   | Mn      | 55   |                   |                    |                  |                 |                  |
|   | Ni      | 60   |                   |                    |                  |                 |                  |
|   | Cu      | 63   |                   |                    |                  |                 |                  |
|   | Cu      | 65   |                   |                    |                  |                 |                  |
|   | Zn      | 66   |                   |                    |                  |                 |                  |
|   | Zn      | 67   |                   |                    |                  |                 |                  |
|   | Zn      | 68   |                   |                    |                  |                 |                  |
| > | Ge      | 72   |                   | 97.654             |                  |                 |                  |
|   | As      | 75   |                   |                    |                  |                 |                  |
|   | Se      | 77   |                   |                    |                  |                 |                  |
|   | Se      | 82   |                   |                    |                  |                 |                  |
|   | Y       | 89   |                   |                    |                  |                 |                  |
|   | Ag      | 107  |                   |                    |                  |                 |                  |
| > | In      | 115  |                   | 102.950            |                  |                 |                  |
|   | Sb      | 121  |                   |                    |                  |                 |                  |
|   | Sb      | 123  |                   |                    |                  |                 |                  |
|   | Ba      | 135  |                   |                    |                  |                 |                  |
|   | Ba      | 137  |                   |                    |                  |                 |                  |
|   | Tb      | 159  |                   |                    |                  |                 |                  |
| > | Ho      | 165  |                   | 101.885            |                  |                 |                  |
|   | Bi      | 209  |                   |                    |                  |                 |                  |
|   | Tl      | 205  |                   |                    |                  |                 |                  |
|   | Pb      | 208  |                   |                    |                  |                 |                  |
|   | Au      | 197  |                   |                    |                  |                 |                  |

Sample ID: QCS

Report Date/Time: Thursday, December 13, 2001 16:28:54

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## Method 200.8 - Summary Report

### Sample ID: LFB

Sample Date/Time: Thursday, December 13, 2001 16:32:56

Sample Type: Sample

Sample Description: 50 PPB

Number of Replicates: 3

Batch ID:

Method File: d:\Elandata\Method\NEWQ200.8.mth

Dataset File: d:\Elandata\Dataset\daily performance\LFB.628

Sample Prep Volume (mL):

Initial Sample Quantity (mg):

Aliquot Volume (mL):

Diluted To Volume (mL):

### Concentration Results

|   | Analyte | Mass | Meas. Intens. Mean | Meas. Intens. RSD | Net Intens. Mean | Conc. Mean | Conc. RSD | Sample Unit |
|---|---------|------|--------------------|-------------------|------------------|------------|-----------|-------------|
| [ | Be      | 9    | 28955.274          | 1.269             | 0.039            | 50.09984   | 2.55      | ug/L        |
| > | Sc-1    | 45   | 739670.427         | 1.358             | 739670.427       |            |           | ug/L        |
|   | Cr      | 52   | 708554.924         | 0.665             | 0.942            | 51.52578   | 1.99      | ug/L        |
|   | Cr      | 53   | 83634.268          | 0.302             | 0.112            | 49.97034   | 1.47      | ug/L        |
|   | Mn      | 55   | 1124438.219        | 1.136             | 1.519            | 48.24936   | 2.08      | ug/L        |
|   | Ni      | 60   | 205795.547         | 1.136             | 0.276            | 51.19055   | 2.43      | ug/L        |
|   | Cu      | 63   | 455729.354         | 1.614             | 0.612            | 51.05444   | 2.04      | ug/L        |
|   | Cu      | 65   | 221847.264         | 0.946             | 0.298            | 50.45028   | 0.75      | ug/L        |
| [ | Zn      | 66   | 143782.459         | 1.318             | 0.953            | 51.03701   | 2.89      | ug/L        |
|   | Zn      | 67   | 24970.059          | 2.041             | 0.165            | 50.22188   | 1.43      | ug/L        |
|   | Zn      | 68   | 104055.718         | 1.909             | 0.689            | 50.39447   | 0.71      | ug/L        |
| > | Ge      | 72   | 148418.283         | 1.691             | 148418.283       |            |           | ug/L        |
|   | As      | 75   | 155767.468         | 1.561             | 1.049            | 50.72744   | 0.33      | ug/L        |
|   | Se      | 77   | 13230.592          | 2.443             | 0.088            | 49.27865   | 3.38      | ug/L        |
|   | Se      | 82   | 17661.759          | 2.526             | 0.118            | 48.76243   | 1.85      | ug/L        |
| [ | Y       | 89   | 1819748.596        | 1.429             | -0.043           |            |           | ug/L        |
|   | Ag      | 107  | 871403.921         | 1.633             | 0.381            | 48.08786   | 1.80      | ug/L        |
| > | In      | 115  | 2283642.433        | 1.709             | 2283642.433      |            |           | ug/L        |
|   | Sb      | 121  | 651777.272         | 0.635             | 0.285            | 46.80832   | 1.77      | ug/L        |
|   | Sb      | 123  | 504971.573         | 0.686             | 0.221            | 46.68343   | 1.18      | ug/L        |
| [ | Ba      | 135  | 211441.765         | 0.775             | 0.067            | 48.69401   | 0.98      | ug/L        |
|   | Ba      | 137  | 372205.525         | 0.502             | 0.119            | 50.12978   | 0.92      | ug/L        |
|   | Tb      | 159  | 3128729.110        | 0.459             | -0.001           |            |           | ug/L        |
| > | Ho      | 165  | 3122587.326        | 0.724             | 3122587.326      |            |           | ug/L        |
|   | Bi      | 209  | 1878808.689        | 1.135             | -0.035           |            |           | ug/L        |
|   | Tl      | 205  | 2435709.067        | 0.380             | 0.780            | 50.26022   | 1.00      | ug/L        |
|   | Pb      | 208  | 2999158.863        | 0.744             | 0.958            | 48.36170   | 1.26      | ug/L        |
|   | Au      | 197  | 726561.469         | 3.659             | -0.264           |            |           | mg/L        |

Sample ID: LFB

Report Date/Time: Thursday, December 13, 2001 16:34:40

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### QC Calculated Values

|   | Analyte | Mass | QC Std % Recovery | Int Std % Recovery | Spike % Recovery | Dilution % Diff | Dup. Rel. % Diff |
|---|---------|------|-------------------|--------------------|------------------|-----------------|------------------|
| [ | Be      | 9    |                   |                    |                  |                 |                  |
| > | Sc-1    | 45   |                   | 97.330             |                  |                 |                  |
|   | Cr      | 52   |                   |                    |                  |                 |                  |
|   | Cr      | 53   |                   |                    |                  |                 |                  |
|   | Mn      | 55   |                   |                    |                  |                 |                  |
|   | Ni      | 60   |                   |                    |                  |                 |                  |
|   | Cu      | 63   |                   |                    |                  |                 |                  |
| [ | Cu      | 65   |                   |                    |                  |                 |                  |
| [ | Zn      | 66   |                   |                    |                  |                 |                  |
|   | Zn      | 67   |                   |                    |                  |                 |                  |
|   | Zn      | 68   |                   |                    |                  |                 |                  |
| > | Ge      | 72   |                   | 97.451             |                  |                 |                  |
|   | As      | 75   |                   |                    |                  |                 |                  |
|   | Se      | 77   |                   |                    |                  |                 |                  |
| [ | Se      | 82   |                   |                    |                  |                 |                  |
| [ | Y       | 89   |                   |                    |                  |                 |                  |
|   | Ag      | 107  |                   |                    |                  |                 |                  |
| > | In      | 115  |                   | 101.053            |                  |                 |                  |
|   | Sb      | 121  |                   |                    |                  |                 |                  |
| [ | Sb      | 123  |                   |                    |                  |                 |                  |
| [ | Ba      | 135  |                   |                    |                  |                 |                  |
|   | Ba      | 137  |                   |                    |                  |                 |                  |
|   | Tb      | 159  |                   |                    |                  |                 |                  |
| > | Ho      | 165  |                   | 101.012            |                  |                 |                  |
|   | Bi      | 209  |                   |                    |                  |                 |                  |
|   | Tl      | 205  |                   |                    |                  |                 |                  |
|   | Pb      | 208  |                   |                    |                  |                 |                  |
| [ | Au      | 197  |                   |                    |                  |                 |                  |

Sample ID: LFB

Report Date/Time: Thursday, December 13, 2001 16:34:40

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## Method 200.8 - Summary Report

### Sample ID: RINSE

Sample Date/Time: Thursday, December 13, 2001 16:55:18

Sample Type: Sample

Sample Description:

Number of Replicates: 3

Batch ID:

Method File: d:\Elandata\Method\NEWQ200.8.mth

Dataset File: d:\Elandata\Dataset\daily performance\RINSE.629

Sample Prep Volume (mL):

Initial Sample Quantity (mg):

Aliquot Volume (mL):

Diluted To Volume (mL):

### Concentration Results

|   | Analyte | Mass | Meas. Intens. Mean | Meas. Intens. RSD | Net Intens. Mean | Conc. Mean | Conc. RSD | Sample Unit |
|---|---------|------|--------------------|-------------------|------------------|------------|-----------|-------------|
| [ | Be      | 9    | 22.334             | 28.787            | -0.000           | -0.00114   | 933.52    | ug/L        |
| > | Sc-1    | 45   | 771886.998         | 1.033             | 771886.998       |            |           | ug/L        |
|   | Cr      | 52   | 11420.348          | 3.524             | -0.001           | -0.04625   | 72.37     | ug/L        |
|   | Cr      | 53   | 654.688            | 8.909             | -0.000           | -0.17697   | 19.65     | ug/L        |
|   | Mn      | 55   | 1762.126           | 0.576             | 0.001            | 0.03701    | 2.17      | ug/L        |
|   | Ni      | 60   | 676.356            | 3.574             | -0.001           | -0.20864   | 3.30      | ug/L        |
|   | Cu      | 63   | 6502.212           | 2.689             | 0.004            | 0.32524    | 4.54      | ug/L        |
|   | Cu      | 65   | 3236.732           | 1.860             | 0.002            | 0.32398    | 5.38      | ug/L        |
| [ | Zn      | 66   | 1683.450           | 8.798             | -0.005           | -0.28542   | 19.39     | ug/L        |
|   | Zn      | 67   | 354.341            | 5.327             | -0.001           | -0.22795   | 18.13     | ug/L        |
|   | Zn      | 68   | 1309.740           | 5.975             | -0.003           | -0.24747   | 16.16     | ug/L        |
| > | Ge      | 72   | 153864.721         | 0.705             | 153864.721       |            |           | ug/L        |
|   | As      | 75   | 142.617            | 53.839            | 0.000            | 0.00226    | 1068.52   | ug/L        |
|   | Se      | 77   | 171.669            | 6.548             | -0.000           | -0.01114   | 399.05    | ug/L        |
|   | Se      | 82   | 191.003            | 5.157             | -0.000           | -0.03334   | 84.19     | ug/L        |
| [ | Y       | 89   | 1915551.832        | 1.190             | -0.022           |            |           | ug/L        |
|   | Ag      | 107  | 626.687            | 2.052             | -0.000           | -0.02114   | 3.06      | ug/L        |
| > | In      | 115  | 2342252.218        | 0.782             | 2342252.218      |            |           | ug/L        |
|   | Sb      | 121  | 182.670            | 4.425             | -0.000           | -0.05482   | 1.21      | ug/L        |
|   | Sb      | 123  | 161.744            | 7.051             | -0.000           | -0.05672   | 1.65      | ug/L        |
| [ | Ba      | 135  | 3174.051           | 3.060             | 0.001            | 0.46676    | 4.71      | ug/L        |
|   | Ba      | 137  | 5399.074           | 1.220             | 0.001            | 0.46787    | 1.84      | ug/L        |
|   | Tb      | 159  | 3152051.977        | 0.995             | -0.007           |            |           | ug/L        |
| > | Ho      | 165  | 3164765.647        | 0.042             | 3164765.647      |            |           | ug/L        |
|   | Bi      | 209  | 2043821.990        | 5.460             | 0.009            |            |           | ug/L        |
|   | Tl      | 205  | 903.038            | 3.368             | 0.000            | 0.01356    | 4.52      | ug/L        |
|   | Pb      | 208  | 25062.871          | 1.255             | 0.005            | 0.27695    | 1.83      | ug/L        |
|   | Au      | 197  | 1605160.148        | 0.796             | 0.011            |            |           | mg/L        |

Sample ID: RINSE

Report Date/Time: Thursday, December 13, 2001 16:57:02

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### QC Calculated Values

|   | Analyte | Mass | QC Std % Recovery | Int Std % Recovery | Spike % Recovery | Dilution % Diff | Dup. Rel. % Diff |
|---|---------|------|-------------------|--------------------|------------------|-----------------|------------------|
| [ | Be      | 9    |                   |                    |                  |                 |                  |
| > | Sc-1    | 45   |                   | 101.569            |                  |                 |                  |
|   | Cr      | 52   |                   |                    |                  |                 |                  |
|   | Cr      | 53   |                   |                    |                  |                 |                  |
|   | Mn      | 55   |                   |                    |                  |                 |                  |
|   | Ni      | 60   |                   |                    |                  |                 |                  |
|   | Cu      | 63   |                   |                    |                  |                 |                  |
| [ | Cu      | 65   |                   |                    |                  |                 |                  |
|   | Zn      | 66   |                   |                    |                  |                 |                  |
|   | Zn      | 67   |                   |                    |                  |                 |                  |
|   | Zn      | 68   |                   |                    |                  |                 |                  |
| > | Ge      | 72   |                   | 101.027            |                  |                 |                  |
|   | As      | 75   |                   |                    |                  |                 |                  |
|   | Se      | 77   |                   |                    |                  |                 |                  |
| [ | Se      | 82   |                   |                    |                  |                 |                  |
|   | Y       | 89   |                   |                    |                  |                 |                  |
|   | Ag      | 107  |                   |                    |                  |                 |                  |
| > | In      | 115  |                   | 103.647            |                  |                 |                  |
|   | Sb      | 121  |                   |                    |                  |                 |                  |
| [ | Sb      | 123  |                   |                    |                  |                 |                  |
|   | Ba      | 135  |                   |                    |                  |                 |                  |
|   | Ba      | 137  |                   |                    |                  |                 |                  |
|   | Tb      | 159  |                   |                    |                  |                 |                  |
| > | Ho      | 165  |                   | 102.377            |                  |                 |                  |
|   | Bi      | 209  |                   |                    |                  |                 |                  |
|   | Tl      | 205  |                   |                    |                  |                 |                  |
|   | Pb      | 208  |                   |                    |                  |                 |                  |
| [ | Au      | 197  |                   |                    |                  |                 |                  |

Sample ID: RINSE

Report Date/Time: Thursday, December 13, 2001 16:57:02

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## Method 200.8 - Summary Report

### Sample ID: LRB

Sample Date/Time: Thursday, December 13, 2001 16:58:23

Sample Type: Sample

Sample Description:

Number of Replicates: 3

Batch ID:

Method File: d:\Elandata\Method\NEWQ200.8.mth

Dataset File: d:\Elandata\Dataset\daily performance\LRB.630

Sample Prep Volume (mL):

Initial Sample Quantity (mg):

Aliquot Volume (mL):

Diluted To Volume (mL):

### Concentration Results

|   | Analyte | Mass | Meas. Intens. Mean | Meas. Intens. RSD | Net Intens. Mean | Conc. Mean   | Conc. RSD | Sample Unit |
|---|---------|------|--------------------|-------------------|------------------|--------------|-----------|-------------|
| [ | Be      | 9    | 23.000             | 17.391            | 0.000            | 0.00045      | 1525.01   | ug/L        |
| > | Sc-1    | 45   | 762513.028         | 0.730             | 762513.028       |              |           | ug/L        |
|   | Cr      | 52   | 11949.137          | 8.173             | 0.000            | 0.00137      | 4992.35   | ug/L        |
|   | Cr      | 53   | 663.689            | 3.097             | -0.000           | -0.16715 <   | 5.65      | ug/L        |
|   | Mn      | 55   | 1775.128           | 4.295             | 0.001            | 0.03844      | 8.17      | ug/L        |
|   | Ni      | 60   | 701.691            | 3.422             | -0.001           | -0.20049 <   | 3.53      | ug/L        |
|   | Cu      | 63   | 6553.902           | 2.422             | 0.004            | 0.33970 <    | 6.67      | ug/L        |
| [ | Cu      | 65   | 3165.716           | 1.827             | 0.002            | 0.31689 <    | 4.84      | ug/L        |
|   | Zn      | 66   | 1557.767           | 2.697             | -0.006           | -0.32095     | 3.58      | ug/L        |
|   | Zn      | 67   | 303.673            | 7.066             | -0.001           | -0.31925 < 2 | 10.20     | ug/L        |
|   | Zn      | 68   | 1206.063           | 2.199             | -0.004           | -0.28794     | 0.93      | ug/L        |
| > | Ge      | 72   | 151518.160         | 2.651             | 151518.160       |              |           | ug/L        |
|   | As      | 75   | 154.099            | 35.026            | 0.000            | 0.00679      | 261.69    | ug/L        |
|   | Se      | 77   | 173.003            | 5.514             | 0.000            | 0.00347      | 1055.26   | ug/L        |
| [ | Se      | 82   | 190.003            | 0.912             | -0.000           | -0.02785     | 65.26     | ug/L        |
|   | Y       | 89   | 1862319.038        | 0.147             | -0.030           |              |           | ug/L        |
|   | Ag      | 107  | 574.684            | 1.743             | -0.000           | -0.02335     | 2.95      | ug/L        |
| > | In      | 115  | 2298720.033        | 0.891             | 2298720.033      |              |           | ug/L        |
|   | Sb      | 121  | 145.669            | 11.013            | -0.000           | -0.05722     | 2.12      | ug/L        |
| [ | Sb      | 123  | 115.410            | 9.252             | -0.000           | -0.06071     | 1.48      | ug/L        |
|   | Ba      | 135  | 3084.697           | 0.797             | 0.001            | 0.45086      | 2.39      | ug/L        |
|   | Ba      | 137  | 5374.732           | 2.368             | 0.001            | 0.46926      | 4.71      | ug/L        |
|   | Tb      | 159  | 3161254.230        | 0.898             | 0.003            |              |           | ug/L        |
| > | Ho      | 165  | 3144904.957        | 0.773             | 3144904.957      |              |           | ug/L        |
|   | Bi      | 209  | 1965744.774        | 0.744             | -0.011           |              |           | ug/L        |
|   | Tl      | 205  | 871.369            | 2.054             | 0.000            | 0.01303      | 2.90      | ug/L        |
|   | Pb      | 208  | 25079.227          | 0.986             | 0.006            | 0.27973 <    | 0.39      | ug/L        |
| [ | Au      | 197  | 1578110.476        | 1.386             | 0.005            |              |           | mg/L        |

Sample ID: LRB

Report Date/Time: Thursday, December 13, 2001 17:00:07

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*QC Calculated Values*

| Analyte | Mass | QC Std % Recovery | Int Std % Recovery | Spike % Recovery | Dilution % Diff | Dup. Rel. % Diff |
|---------|------|-------------------|--------------------|------------------|-----------------|------------------|
| [ Be    | 9    |                   |                    |                  |                 |                  |
| > Sc-1  | 45   |                   | 100.335            |                  |                 |                  |
| Cr      | 52   |                   |                    |                  |                 |                  |
| Cr      | 53   |                   |                    |                  |                 |                  |
| Mn      | 55   |                   |                    |                  |                 |                  |
| Ni      | 60   |                   |                    |                  |                 |                  |
| Cu      | 63   |                   |                    |                  |                 |                  |
| [ Cu    | 65   |                   |                    |                  |                 |                  |
| [ Zn    | 66   |                   |                    |                  |                 |                  |
| Zn      | 67   |                   |                    |                  |                 |                  |
| Zn      | 68   |                   |                    |                  |                 |                  |
| > Ge    | 72   |                   | 99.486             |                  |                 |                  |
| As      | 75   |                   |                    |                  |                 |                  |
| Se      | 77   |                   |                    |                  |                 |                  |
| [ Se    | 82   |                   |                    |                  |                 |                  |
| [ Y     | 89   |                   |                    |                  |                 |                  |
| Ag      | 107  |                   |                    |                  |                 |                  |
| > In    | 115  |                   | 101.721            |                  |                 |                  |
| Sb      | 121  |                   |                    |                  |                 |                  |
| [ Sb    | 123  |                   |                    |                  |                 |                  |
| [ Ba    | 135  |                   |                    |                  |                 |                  |
| Ba      | 137  |                   |                    |                  |                 |                  |
| Tb      | 159  |                   |                    |                  |                 |                  |
| > Ho    | 165  |                   | 101.734            |                  |                 |                  |
| Bi      | 209  |                   |                    |                  |                 |                  |
| Tl      | 205  |                   |                    |                  |                 |                  |
| Pb      | 208  |                   |                    |                  |                 |                  |
| [ Au    | 197  |                   |                    |                  |                 |                  |

Sample ID: LRB

Report Date/Time: Thursday, December 13, 2001 17:00:07

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## Method 200.8 - Summary Report

### Sample ID: AD27951

Sample Date/Time: Thursday, December 13, 2001 17:05:47

Sample Type: Sample

Sample Description:

Number of Replicates: 3

Batch ID:

Method File: d:\Elandata\Method\NEWQ200.8.mth

Dataset File: d:\Elandata\Dataset\daily performance\AD27951.631

Sample Prep Volume (mL):

Initial Sample Quantity (mg):

Aliquot Volume (mL):

Diluted To Volume (mL):

### Concentration Results

|   | Analyte | Mass | Meas. Intens. Mean | Meas. Intens. RSD | Net Intens. Mean | Conc. Mean | Conc. RSD | Sample Unit |
|---|---------|------|--------------------|-------------------|------------------|------------|-----------|-------------|
| [ | Be      | 9    | 24.667             | 19.998            | 0.000            | 0.00328    | 246.50    | ug/L        |
| > | Sc-1    | 45   | 761022.711         | 0.588             | 761022.711       |            |           | ug/L        |
|   | Cr      | 52   | 15137.502          | 1.952             | 0.004            | 0.23215    | 7.83      | ug/L        |
|   | Cr      | 53   | 1288.071           | 1.365             | 0.000            | 0.20025 <1 | 5.55      | ug/L        |
|   | Mn      | 55   | 587863.952         | 1.597             | 0.771            | 24.49707   | 1.90      | ug/L        |
|   | Ni      | 60   | 1682.116           | 2.416             | 0.000            | 0.03854    | 28.90     | ug/L        |
|   | Cu      | 63   | 11904.412          | 2.263             | 0.011            | 0.92778 <1 | 2.73      | ug/L        |
| [ | Cu      | 65   | 5508.450           | 0.536             | 0.005            | 0.84002 <1 | 1.38      | ug/L        |
| [ | Zn      | 66   | 2845.312           | 2.893             | 0.002            | 0.11589    | 23.08     | ug/L        |
|   | Zn      | 67   | 732.359            | 5.095             | 0.002            | 0.51552 <2 | 18.93     | ug/L        |
|   | Zn      | 68   | 3026.684           | 3.067             | 0.008            | 0.56404    | 6.74      | ug/L        |
| > | Ge      | 72   | 154328.473         | 1.628             | 154328.473       |            |           | ug/L        |
|   | As      | 75   | 1697.642           | 7.148             | 0.010            | 0.48967 <2 | 7.98      | ug/L        |
|   | Se      | 77   | 199.003            | 9.574             | 0.000            | 0.08684 <1 | 93.95     | ug/L        |
| [ | Se      | 82   | 293.673            | 5.279             | 0.001            | 0.24112    | 20.73     | ug/L        |
| [ | Y       | 89   | 1840430.216        | 2.895             | -0.048           |            |           | ug/L        |
|   | Ag      | 107  | 342.341            | 4.030             | -0.000           | -0.03632   | 1.37      | ug/L        |
| > | In      | 115  | 2323867.398        | 1.526             | 2323867.398      |            |           | ug/L        |
|   | Sb      | 121  | 790.696            | 0.697             | -0.000           | -0.01174   | 10.29     | ug/L        |
| [ | Sb      | 123  | 620.671            | 5.505             | -0.000           | -0.01485   | 20.41     | ug/L        |
| [ | Ba      | 135  | 60585.149          | 1.262             | 0.019            | 13.46505   | 1.92      | ug/L        |
|   | Ba      | 137  | 105554.925         | 0.661             | 0.032            | 13.72543   | 0.93      | ug/L        |
|   | Tb      | 159  | 3182425.314        | 0.994             | -0.006           |            |           | ug/L        |
| > | Ho      | 165  | 3191834.024        | 1.195             | 3191834.024      |            |           | ug/L        |
|   | Bi      | 209  | 1936622.385        | 0.603             | -0.030           |            |           | ug/L        |
|   | Tl      | 205  | 343.674            | 5.652             | 0.000            | 0.00211    | 18.46     | ug/L        |
|   | Pb      | 208  | 3643.218           | 0.235             | -0.001           | -0.06518   | 1.08      | ug/L        |
| [ | Au      | 197  | 1641264.938        | 1.338             | 0.018            |            |           | mg/L        |

Sample ID: AD27951

Report Date/Time: Thursday, December 13, 2001 17:07:31

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*QC Calculated Values*

|   | Analyte | Mass | QC Std % Recovery | Int Std % Recovery | Spike % Recovery | Dilution % Diff | Dup. Rel. % Diff |
|---|---------|------|-------------------|--------------------|------------------|-----------------|------------------|
| [ | Be      | 9    |                   |                    |                  |                 |                  |
| > | Sc-1    | 45   |                   | 100.139            |                  |                 |                  |
|   | Cr      | 52   |                   |                    |                  |                 |                  |
|   | Cr      | 53   |                   |                    |                  |                 |                  |
|   | Mn      | 55   |                   |                    |                  |                 |                  |
|   | Ni      | 60   |                   |                    |                  |                 |                  |
|   | Cu      | 63   |                   |                    |                  |                 |                  |
| [ | Cu      | 65   |                   |                    |                  |                 |                  |
| [ | Zn      | 66   |                   |                    |                  |                 |                  |
|   | Zn      | 67   |                   |                    |                  |                 |                  |
|   | Zn      | 68   |                   |                    |                  |                 |                  |
| > | Ge      | 72   |                   | 101.332            |                  |                 |                  |
|   | As      | 75   |                   |                    |                  |                 |                  |
|   | Se      | 77   |                   |                    |                  |                 |                  |
| [ | Se      | 82   |                   |                    |                  |                 |                  |
| [ | Y       | 89   |                   |                    |                  |                 |                  |
|   | Ag      | 107  |                   |                    |                  |                 |                  |
| > | In      | 115  |                   | 102.833            |                  |                 |                  |
|   | Sb      | 121  |                   |                    |                  |                 |                  |
| [ | Sb      | 123  |                   |                    |                  |                 |                  |
| [ | Ba      | 135  |                   |                    |                  |                 |                  |
|   | Ba      | 137  |                   |                    |                  |                 |                  |
|   | Tb      | 159  |                   |                    |                  |                 |                  |
| > | Ho      | 165  |                   | 103.252            |                  |                 |                  |
|   | Bi      | 209  |                   |                    |                  |                 |                  |
|   | Tl      | 205  |                   |                    |                  |                 |                  |
|   | Pb      | 208  |                   |                    |                  |                 |                  |
| [ | Au      | 197  |                   |                    |                  |                 |                  |

Sample ID: AD27951

Report Date/Time: Thursday, December 13, 2001 17:07:31

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## Method 200.8 - Summary Report

**Sample ID: AD27951DUP**

Sample Date/Time: Thursday, December 13, 2001 17:09:02

Sample Type: Sample

Sample Description: 1:2

Number of Replicates: 3

Batch ID:

Method File: d:\Elandata\Method\NEWQ200.8.mth

Dataset File: d:\Elandata\Dataset\daily performance\AD27951DUP.632

Sample Prep Volume (mL):

Initial Sample Quantity (mg):

Aliquot Volume (mL):

Diluted To Volume (mL):

### Concentration Results

|   | Analyte | Mass | Meas. Intens. Mean | Meas. Intens. RSD | Net Intens. Mean | Conc. Mean | Conc. RSD | Sample Unit |
|---|---------|------|--------------------|-------------------|------------------|------------|-----------|-------------|
|   | Be      | 9    | 20.667             | 19.555            | -0.000           | -0.00339   | 196.08    | ug/L        |
| > | Sc-1    | 45   | 759960.652         | 0.572             | 759960.652       |            |           | ug/L        |
|   | Cr      | 52   | 11951.784          | 1.040             | 0.000            | 0.00457    | 301.85    | ug/L        |
|   | Cr      | 53   | 1045.715           | 1.925             | 0.000            | 0.05886    | 25.89     | ug/L        |
|   | Mn      | 55   | 288421.888         | 1.141             | 0.378            | 12.01789   | 1.72      | ug/L        |
|   | Ni      | 60   | 2404.227           | 4.835             | 0.001            | 0.21507    | 12.05     | ug/L        |
|   | Cu      | 63   | 6366.816           | 2.012             | 0.004            | 0.32151    | 5.45      | ug/L        |
|   | Cu      | 65   | 2958.003           | 1.943             | 0.002            | 0.27288    | 4.51      | ug/L        |
|   | Zn      | 66   | 2409.563           | 12.341            | -0.001           | -0.05853   | 169.84    | ug/L        |
|   | Zn      | 67   | 577.351            | 13.117            | 0.001            | 0.17723    | 77.93     | ug/L        |
|   | Zn      | 68   | 2257.537           | 14.769            | 0.002            | 0.17016    | 90.70     | ug/L        |
| > | Ge      | 72   | 158703.317         | 1.120             | 158703.317       |            |           | ug/L        |
|   | As      | 75   | 874.510            | 7.362             | 0.005            | 0.22394    | 8.22      | ug/L        |
|   | Se      | 77   | 194.670            | 4.633             | 0.000            | 0.05098    | 72.90     | ug/L        |
|   | Se      | 82   | 251.338            | 8.729             | 0.000            | 0.10821    | 48.67     | ug/L        |
|   | Y       | 89   | 1876361.196        | 1.606             | -0.036           |            |           | ug/L        |
|   | Ag      | 107  | 228.004            | 6.637             | -0.000           | -0.04258   | 1.79      | ug/L        |
| > | In      | 115  | 2335292.099        | 0.472             | 2335292.099      |            |           | ug/L        |
|   | Sb      | 121  | 457.012            | 5.900             | -0.000           | -0.03549   | 5.28      | ug/L        |
|   | Sb      | 123  | 343.367            | 5.735             | -0.000           | -0.04023   | 4.38      | ug/L        |
|   | Ba      | 135  | 29895.224          | 2.261             | 0.009            | 6.48148    | 1.86      | ug/L        |
|   | Ba      | 137  | 52533.941          | 0.300             | 0.016            | 6.67220    | 1.26      | ug/L        |
|   | Tb      | 159  | 3217362.889        | 0.989             | 0.001            |            |           | ug/L        |
| > | Ho      | 165  | 3206590.504        | 1.394             | 3206590.504      |            |           | ug/L        |
|   | Bi      | 209  | 1975863.542        | 0.562             | -0.020           |            |           | ug/L        |
|   | Tl      | 205  | 918.372            | 1.843             | 0.000            | 0.01363    | 2.64      | ug/L        |
|   | Pb      | 208  | 3441.530           | 12.671            | -0.001           | -0.06857   | 10.93     | ug/L        |
|   | Au      | 197  | 1721310.072        | 0.895             | 0.041            |            |           | mg/L        |

*Typed well  
if include  
1:2 dilution*

Sample ID: AD27951DUP

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*QC Calculated Values*

|   | Analyte | Mass | QC Std % Recovery | Int Std % Recovery | Spike % Recovery | Dilution % Diff | Dup. Rel. % Diff |
|---|---------|------|-------------------|--------------------|------------------|-----------------|------------------|
| [ | Be      | 9    |                   |                    |                  |                 |                  |
| > | Sc-1    | 45   |                   | 100.000            |                  |                 |                  |
|   | Cr      | 52   |                   |                    |                  |                 |                  |
|   | Cr      | 53   |                   |                    |                  |                 |                  |
|   | Mn      | 55   |                   |                    |                  |                 |                  |
|   | Ni      | 60   |                   |                    |                  |                 |                  |
|   | Cu      | 63   |                   |                    |                  |                 |                  |
|   | Cu      | 65   |                   |                    |                  |                 |                  |
|   | Zn      | 66   |                   |                    |                  |                 |                  |
|   | Zn      | 67   |                   |                    |                  |                 |                  |
|   | Zn      | 68   |                   |                    |                  |                 |                  |
| > | Ge      | 72   |                   | 104.204            |                  |                 |                  |
|   | As      | 75   |                   |                    |                  |                 |                  |
|   | Se      | 77   |                   |                    |                  |                 |                  |
|   | Se      | 82   |                   |                    |                  |                 |                  |
|   | Y       | 89   |                   |                    |                  |                 |                  |
|   | Ag      | 107  |                   |                    |                  |                 |                  |
| > | In      | 115  |                   | 103.339            |                  |                 |                  |
|   | Sb      | 121  |                   |                    |                  |                 |                  |
|   | Sb      | 123  |                   |                    |                  |                 |                  |
|   | Ba      | 135  |                   |                    |                  |                 |                  |
|   | Ba      | 137  |                   |                    |                  |                 |                  |
|   | Tb      | 159  |                   |                    |                  |                 |                  |
| > | Ho      | 165  |                   | 103.730            |                  |                 |                  |
|   | Bi      | 209  |                   |                    |                  |                 |                  |
|   | Tl      | 205  |                   |                    |                  |                 |                  |
|   | Pb      | 208  |                   |                    |                  |                 |                  |
|   | Au      | 197  |                   |                    |                  |                 |                  |

Sample ID: AD27951DUP

Report Date/Time: Thursday, December 13, 2001 17:10:46

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## Method 200.8 - Summary Report

**Sample ID: AD27951SPK**

Sample Date/Time: Thursday, December 13, 2001 17:12:35

Sample Type: Sample

Sample Description: 1:2 SPK 50 PPB

Number of Replicates: 3

Batch ID:

Method File: d:\Elandata\Method\NEWQ200.8.mth

Dataset File: d:\Elandata\Dataset\daily performance\AD27951SPK.633

Sample Prep Volume (mL):

Initial Sample Quantity (mg):

Aliquot Volume (mL):

Diluted To Volume (mL):

*sample or  
sample + spike?*

### Concentration Results

|   | Analyte | Mass | Meas. Intens. Mean | Meas. Intens. RSD | Net Intens. Mean | Conc. Mean | Conc. RSD | Sample Unit |
|---|---------|------|--------------------|-------------------|------------------|------------|-----------|-------------|
| [ | Be      | 9    | 31467.271          | 1.393             | 0.043            | 55.54132   | 0.39      | ug/L        |
| > | Sc-1    | 45   | 724987.578         | 1.485             | 724987.578       |            |           | ug/L        |
|   | Cr      | 52   | 730825.994         | 3.235             | 0.993            | 54.27135   | 4.06      | ug/L        |
|   | Cr      | 53   | 85673.435          | 2.629             | 0.117            | 52.23818   | 1.25      | ug/L        |
|   | Mn      | 55   | 1397781.799        | 3.158             | 1.928            | 61.21928   | 4.54      | ug/L        |
|   | Ni      | 60   | 205446.943         | 2.250             | 0.281            | 52.14584   | 3.07      | ug/L        |
|   | Cu      | 63   | 464645.975         | 1.419             | 0.637            | 53.13107   | 2.80      | ug/L        |
|   | Cu      | 65   | 228976.795         | 0.645             | 0.314            | 53.14984   | 1.22      | ug/L        |
| [ | Zn      | 66   | 165108.685         | 0.991             | 1.101            | 58.96528   | 1.28      | ug/L        |
|   | Zn      | 67   | 28610.241          | 0.814             | 0.191            | 57.91888   | 0.62      | ug/L        |
|   | Zn      | 68   | 120911.442         | 1.124             | 0.806            | 58.95248   | NR 2.21   | ug/L        |
| > | Ge      | 72   | 147817.385         | 1.421             | 147817.385       |            |           | ug/L        |
|   | As      | 75   | 170669.353         | 1.331             | 1.154            | 55.81456   | 1.55      | ug/L        |
|   | Se      | 77   | 15636.378          | 1.825             | 0.105            | 58.57634   | NR 0.42   | ug/L        |
|   | Se      | 82   | 21057.055          | 1.986             | 0.141            | 58.47833   | NR 0.65   | ug/L        |
| [ | Y       | 89   | 1815660.969        | 2.639             | -0.039           |            |           | ug/L        |
|   | Ag      | 107  | 857447.035         | 1.005             | 0.378            | 47.65909   | 0.39      | ug/L        |
| > | In      | 115  | 2266999.786        | 0.942             | 2266999.786      |            |           | ug/L        |
|   | Sb      | 121  | 719542.316         | 2.282             | 0.317            | 52.05049   | 1.86      | ug/L        |
|   | Sb      | 123  | 564939.429         | 0.745             | 0.249            | 52.61560   | 1.06      | ug/L        |
| [ | Ba      | 135  | 243523.345         | 1.949             | 0.078            | 56.35023   | 2.49      | ug/L        |
|   | Ba      | 137  | 422662.180         | 1.813             | 0.135            | 57.18852   | 2.02      | ug/L        |
|   | Tb      | 159  | 3106082.518        | 0.599             | -0.004           |            |           | ug/L        |
| > | Ho      | 165  | 3110156.784        | 0.618             | 3110156.784      |            |           | ug/L        |
|   | Bi      | 209  | 1923506.508        | 1.160             | -0.018           |            |           | ug/L        |
|   | Tl      | 205  | 2435706.508        | 0.380             | 0.783            | 50.45934   | 0.33      | ug/L        |
|   | Pb      | 208  | 3021829.629        | 1.068             | 0.969            | 48.92049   | 0.71      | ug/L        |
|   | Au      | 197  | 1643874.516        | 4.081             | 0.032            |            |           | mg/L        |

Sample ID: AD27951SPK

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### QC Calculated Values

| Analyte | Mass | QC Std % Recovery | Int Std % Recovery | Spike % Recovery | Dilution % Diff | Dup. Rel. % Diff |
|---------|------|-------------------|--------------------|------------------|-----------------|------------------|
| [ Be    | 9    |                   |                    |                  |                 |                  |
| > Sc-1  | 45   |                   | 95.398             |                  |                 |                  |
| Cr      | 52   |                   |                    |                  |                 |                  |
| Cr      | 53   |                   |                    |                  |                 |                  |
| Mn      | 55   |                   |                    |                  |                 |                  |
| Ni      | 60   |                   |                    |                  |                 |                  |
| Cu      | 63   |                   |                    |                  |                 |                  |
| Cu      | 65   |                   |                    |                  |                 |                  |
| [ Zn    | 66   |                   |                    |                  |                 |                  |
| Zn      | 67   |                   |                    |                  |                 |                  |
| Zn      | 68   |                   |                    |                  |                 |                  |
| > Ge    | 72   |                   | 97.056             |                  |                 |                  |
| As      | 75   |                   |                    |                  |                 |                  |
| Se      | 77   |                   |                    |                  |                 |                  |
| Se      | 82   |                   |                    |                  |                 |                  |
| [ Y     | 89   |                   |                    |                  |                 |                  |
| Ag      | 107  |                   |                    |                  |                 |                  |
| > In    | 115  |                   | 100.317            |                  |                 |                  |
| Sb      | 121  |                   |                    |                  |                 |                  |
| Sb      | 123  |                   |                    |                  |                 |                  |
| [ Ba    | 135  |                   |                    |                  |                 |                  |
| Ba      | 137  |                   |                    |                  |                 |                  |
| Tb      | 159  |                   |                    |                  |                 |                  |
| > Ho    | 165  |                   | 100.610            |                  |                 |                  |
| Bi      | 209  |                   |                    |                  |                 |                  |
| Tl      | 205  |                   |                    |                  |                 |                  |
| Pb      | 208  |                   |                    |                  |                 |                  |
| [ Au    | 197  |                   |                    |                  |                 |                  |

Sample ID: AD27951SPK

Report Date/Time: Thursday, December 13, 2001 17:14:19

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## Method 200.8 - Summary Report

### Sample ID: AD27826

Sample Date/Time: Thursday, December 13, 2001 17:16:00

Sample Type: Sample

Sample Description:

Number of Replicates: 3

Batch ID:

Method File: d:\Elandata\Method\NEWQ200.8.mth

Dataset File: d:\Elandata\Dataset\daily performance\AD27826.634

Sample Prep Volume (mL):

Initial Sample Quantity (mg):

Aliquot Volume (mL):

Diluted To Volume (mL):

### Concentration Results

|   | Analyte | Mass | Meas. Intens. Mean | Meas. Intens. RSD | Net Intens. Mean | Conc. Mean | Conc. RSD | Sample Unit |
|---|---------|------|--------------------|-------------------|------------------|------------|-----------|-------------|
| [ | Be      | 9    | 29.000             | 13.793            | 0.000            | 0.01274    | 50.66     | ug/L        |
| > | Sc-1    | 45   | 728352.504         | 1.164             | 728352.504       |            |           | ug/L        |
|   | Cr      | 52   | 12881.268          | 1.719             | 0.002            | 0.11156    | 5.14      | ug/L        |
|   | Cr      | 53   | 1731.456           | 3.405             | 0.001            | 0.50649    | 9.41      | ug/L        |
|   | Mn      | 55   | 874821.068         | 0.524             | 1.200            | 38.11004   | 0.70      | ug/L        |
|   | Ni      | 60   | 2236.197           | 2.911             | 0.001            | 0.19776    | 5.00      | ug/L        |
|   | Cu      | 63   | 89712.456          | 2.139             | 0.119            | 9.90314    | 1.94      | ug/L        |
| [ | Cu      | 65   | 43101.391          | 2.957             | 0.057            | 9.64291    | 2.80      | ug/L        |
| [ | Zn      | 66   | 4721.828           | 1.461             | 0.016            | 0.84145    | 1.02      | ug/L        |
|   | Zn      | 67   | 1137.390           | 0.915             | 0.005            | 1.41442    | 3.79      | ug/L        |
|   | Zn      | 68   | 4387.384           | 1.119             | 0.018            | 1.30301    | 0.60      | ug/L        |
| > | Ge      | 72   | 147636.184         | 1.379             | 147636.184       |            |           | ug/L        |
|   | As      | 75   | 1825.448           | 3.083             | 0.011            | 0.55580    | 4.80      | ug/L        |
|   | Se      | 77   | 253.338            | 2.568             | 0.001            | 0.32459    | 3.55      | ug/L        |
| [ | Se      | 82   | 325.007            | 4.806             | 0.001            | 0.36488    | 15.18     | ug/L        |
| [ | Y       | 89   | 1778316.306        | 0.076             | -0.048           |            |           | ug/L        |
|   | Ag      | 107  | 1668.782           | 14.806            | 0.000            | 0.03889    | 35.72     | ug/L        |
| > | In      | 115  | 2244855.429        | 0.778             | 2244855.429      |            |           | ug/L        |
|   | Sb      | 121  | 2042.502           | 13.629            | 0.000            | 0.08176    | 24.49     | ug/L        |
| [ | Sb      | 123  | 1530.676           | 15.390            | 0.000            | 0.07282    | 30.05     | ug/L        |
| [ | Ba      | 135  | 71843.256          | 0.839             | 0.023            | 16.49175   | 1.18      | ug/L        |
|   | Ba      | 137  | 126829.150         | 1.101             | 0.040            | 17.03489   | 0.84      | ug/L        |
|   | Tb      | 159  | 3104680.785        | 1.232             | -0.001           |            |           | ug/L        |
| > | Ho      | 165  | 3100751.691        | 0.452             | 3100751.691      |            |           | ug/L        |
|   | Bi      | 209  | 1837598.462        | 0.379             | -0.044           |            |           | ug/L        |
|   | Tl      | 205  | 912.372            | 12.990            | 0.000            | 0.01414    | 17.99     | ug/L        |
|   | Pb      | 208  | 18910.724          | 2.294             | 0.004            | 0.18507    | 4.35      | ug/L        |
| [ | Au      | 197  | 1563785.720        | 0.304             | 0.008            |            |           | mg/L        |

Sample ID: AD27826

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### QC Calculated Values

|   | Analyte | Mass | QC Std % Recovery | Int Std % Recovery | Spike % Recovery | Dilution % Diff | Dup. Rel. % Diff |
|---|---------|------|-------------------|--------------------|------------------|-----------------|------------------|
| [ | Be      | 9    |                   |                    |                  |                 |                  |
| > | Sc-1    | 45   |                   | 95.840             |                  |                 |                  |
|   | Cr      | 52   |                   |                    |                  |                 |                  |
|   | Cr      | 53   |                   |                    |                  |                 |                  |
|   | Mn      | 55   |                   |                    |                  |                 |                  |
|   | Ni      | 60   |                   |                    |                  |                 |                  |
|   | Cu      | 63   |                   |                    |                  |                 |                  |
|   | Cu      | 65   |                   |                    |                  |                 |                  |
|   | Zn      | 66   |                   |                    |                  |                 |                  |
|   | Zn      | 67   |                   |                    |                  |                 |                  |
|   | Zn      | 68   |                   |                    |                  |                 |                  |
| > | Ge      | 72   |                   | 96.937             |                  |                 |                  |
|   | As      | 75   |                   |                    |                  |                 |                  |
|   | Se      | 77   |                   |                    |                  |                 |                  |
|   | Se      | 82   |                   |                    |                  |                 |                  |
|   | Y       | 89   |                   |                    |                  |                 |                  |
|   | Ag      | 107  |                   |                    |                  |                 |                  |
| > | In      | 115  |                   | 99.337             |                  |                 |                  |
|   | Sb      | 121  |                   |                    |                  |                 |                  |
|   | Sb      | 123  |                   |                    |                  |                 |                  |
|   | Ba      | 135  |                   |                    |                  |                 |                  |
|   | Ba      | 137  |                   |                    |                  |                 |                  |
|   | Tb      | 159  |                   |                    |                  |                 |                  |
| > | Ho      | 165  |                   | 100.306            |                  |                 |                  |
|   | Bi      | 209  |                   |                    |                  |                 |                  |
|   | Tl      | 205  |                   |                    |                  |                 |                  |
|   | Pb      | 208  |                   |                    |                  |                 |                  |
|   | Au      | 197  |                   |                    |                  |                 |                  |

Sample ID: AD27826

Report Date/Time: Thursday, December 13, 2001 17:17:43

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## Method 200.8 - Summary Report

**Sample ID: AD27828**

Sample Date/Time: Thursday, December 13, 2001 17:19:04

Sample Type: Sample

Sample Description:

Number of Replicates: 3

Batch ID:

Method File: d:\Elandata\Method\NEWQ200.8.mth

Dataset File: d:\Elandata\Dataset\daily performance\AD27828.635

Sample Prep Volume (mL):

Initial Sample Quantity (mg):

Aliquot Volume (mL):

Diluted To Volume (mL):

### Concentration Results

|   | Analyte | Mass | Meas. Intens. Mean | Meas. Intens. RSD | Net Intens. Mean | Conc. Mean | Conc. RSD  | Sample Unit |
|---|---------|------|--------------------|-------------------|------------------|------------|------------|-------------|
|   | Be      | 9    | 27.000             | 0.000             | 0.000            | 0.00910    | <2 3.58    | ug/L        |
| > | Sc-1    | 45   | 731038.651         | 0.692             | 731038.651       |            |            | ug/L        |
|   | Cr      | 52   | 12375.816          | 1.061             | 0.001            | 0.07032    | <1 22.97   | ug/L        |
|   | Cr      | 53   | 1646.778           | 1.493             | 0.001            | 0.45059    | <1 4.85    | ug/L        |
|   | Mn      | 55   | 518569.987         | 1.051             | 0.708            | 22.49214   | >1 1.00    | ug/L        |
|   | Ni      | 60   | 1715.454           | 6.031             | 0.000            | 0.06367    | <1 37.02   | ug/L        |
|   | Cu      | 63   | 108255.070         | 1.144             | 0.144            | 11.98257   | >1 1.13    | ug/L        |
|   | Cu      | 65   | 52157.909          | 1.436             | 0.069            | 11.70551   | >1 0.84    | ug/L        |
|   | Zn      | 66   | 11498.074          | 0.218             | 0.061            | 3.25711    | >1 0.42    | ug/L        |
|   | Zn      | 67   | 2122.179           | 0.816             | 0.011            | 3.39689    | >1 1.01    | ug/L        |
|   | Zn      | 68   | 9086.980           | 1.278             | 0.049            | 3.58415    | >1 1.19    | ug/L        |
| > | Ge      | 72   | 149171.603         | 0.320             | 149171.603       |            |            | ug/L        |
|   | As      | 75   | 1689.756           | 2.337             | 0.010            | 0.50538    | <2 2.24    | ug/L        |
|   | Se      | 77   | 247.005            | 11.866            | 0.001            | 0.29081    | <1 36.85   | ug/L        |
|   | Se      | 82   | 308.673            | 6.951             | 0.001            | 0.30954    | <1 18.46   | ug/L        |
|   | Y       | 89   | 1800988.484        | 1.191             | -0.036           |            |            | ug/L        |
|   | Ag      | 107  | 737.693            | 9.129             | -0.000           | -0.01336   | <2 30.18   | ug/L        |
| > | In      | 115  | 2241446.261        | 0.636             | 2241446.261      |            |            | ug/L        |
|   | Sb      | 121  | 1103.721           | 7.807             | 0.000            | 0.01326    | <0.1 51.13 | ug/L        |
|   | Sb      | 123  | 884.117            | 2.316             | 0.000            | 0.01208    | <0.1 19.70 | ug/L        |
|   | Ba      | 135  | 63913.651          | 1.637             | 0.020            | 14.63071   | >0.1 2.17  | ug/L        |
|   | Ba      | 137  | 111205.939         | 0.463             | 0.035            | 14.89326   | >0.1 1.39  | ug/L        |
|   | Tb      | 159  | 3086109.055        | 0.456             | -0.008           |            |            | ug/L        |
| > | Ho      | 165  | 3103510.189        | 0.940             | 3103510.189      |            |            | ug/L        |
|   | Bi      | 209  | 1885934.737        | 0.886             | -0.029           |            |            | ug/L        |
|   | Tl      | 205  | 417.677            | 2.974             | 0.000            | 0.00384    | <1 4.79    | ug/L        |
|   | Pb      | 208  | 64568.563          | 0.821             | 0.018            | 0.92746    | <1 1.60    | ug/L        |
|   | Au      | 197  | 1595705.412        | 1.924             | 0.018            |            |            | mg/L        |

Sample ID: AD27828

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### QC Calculated Values

|   | Analyte | Mass | QC Std % Recovery | Int Std % Recovery | Spike % Recovery | Dilution % Diff | Dup. Rel. % Diff |
|---|---------|------|-------------------|--------------------|------------------|-----------------|------------------|
| [ | Be      | 9    |                   |                    |                  |                 |                  |
| > | Sc-1    | 45   |                   | 96.194             |                  |                 |                  |
|   | Cr      | 52   |                   |                    |                  |                 |                  |
|   | Cr      | 53   |                   |                    |                  |                 |                  |
|   | Mn      | 55   |                   |                    |                  |                 |                  |
|   | Ni      | 60   |                   |                    |                  |                 |                  |
|   | Cu      | 63   |                   |                    |                  |                 |                  |
| [ | Cu      | 65   |                   |                    |                  |                 |                  |
| [ | Zn      | 66   |                   |                    |                  |                 |                  |
|   | Zn      | 67   |                   |                    |                  |                 |                  |
|   | Zn      | 68   |                   |                    |                  |                 |                  |
| > | Ge      | 72   |                   | 97.946             |                  |                 |                  |
|   | As      | 75   |                   |                    |                  |                 |                  |
|   | Se      | 77   |                   |                    |                  |                 |                  |
| [ | Se      | 82   |                   |                    |                  |                 |                  |
| [ | Y       | 89   |                   |                    |                  |                 |                  |
|   | Ag      | 107  |                   |                    |                  |                 |                  |
| > | In      | 115  |                   | 99.186             |                  |                 |                  |
|   | Sb      | 121  |                   |                    |                  |                 |                  |
| [ | Sb      | 123  |                   |                    |                  |                 |                  |
| [ | Ba      | 135  |                   |                    |                  |                 |                  |
|   | Ba      | 137  |                   |                    |                  |                 |                  |
|   | Tb      | 159  |                   |                    |                  |                 |                  |
| > | Ho      | 165  |                   | 100.395            |                  |                 |                  |
|   | Bi      | 209  |                   |                    |                  |                 |                  |
|   | Tl      | 205  |                   |                    |                  |                 |                  |
|   | Pb      | 208  |                   |                    |                  |                 |                  |
| [ | Au      | 197  |                   |                    |                  |                 |                  |

## Method 200.8 - Summary Report

### Sample ID: AD27831

Sample Date/Time: Thursday, December 13, 2001 17:22:16

Sample Type: Sample

Sample Description:

Number of Replicates: 3

Batch ID:

Method File: d:\Elandata\Method\NEWQ200.8.mth

Dataset File: d:\Elandata\Dataset\daily performance\AD27831.636

Sample Prep Volume (mL):

Initial Sample Quantity (mg):

Aliquot Volume (mL):

Diluted To Volume (mL):

### Concentration Results

|   | Analyte | Mass | Meas. Intens. Mean | Meas. Intens. RSD | Net Intens. Mean | Conc. Mean | Conc. RSD | Sample Unit |
|---|---------|------|--------------------|-------------------|------------------|------------|-----------|-------------|
|   | Be      | 9    | 26.334             | 11.601            | 0.000            | 0.00806    | L2 73.95  | ug/L        |
| > | Sc-1    | 45   | 729928.713         | 2.454             | 729928.713       |            |           | ug/L        |
|   | Cr      | 52   | 12745.478          | 1.730             | 0.002            | 0.09945    | L1 7.20   | ug/L        |
|   | Cr      | 53   | 1677.782           | 3.252             | 0.001            | 0.47102    | L1 5.03   | ug/L        |
|   | Mn      | 55   | 512402.273         | 0.769             | 0.701            | 22.26857   | L1 3.01   | ug/L        |
|   | Ni      | 60   | 1814.133           | 2.531             | 0.000            | 0.08949    | L1 7.29   | ug/L        |
|   | Cu      | 63   | 118764.880         | 1.388             | 0.158            | 13.20681   | L1 2.11   | ug/L        |
|   | Cu      | 65   | 57758.103          | 0.479             | 0.077            | 13.02919   | L1 2.16   | ug/L        |
|   | Zn      | 66   | 10301.149          | 0.677             | 0.053            | 2.83652    | L2 0.66   | ug/L        |
|   | Zn      | 67   | 1879.476           | 1.071             | 0.010            | 2.91177    | L2 1.10   | ug/L        |
|   | Zn      | 68   | 8251.799           | 2.205             | 0.044            | 3.18512    | L2 3.10   | ug/L        |
| > | Ge      | 72   | 148799.413         | 0.276             | 148799.413       |            |           | ug/L        |
|   | As      | 75   | 1677.548           | 3.100             | 0.010            | 0.50277    | L2 3.07   | ug/L        |
|   | Se      | 77   | 224.004            | 6.576             | 0.000            | 0.20682    | L1 26.65  | ug/L        |
|   | Se      | 82   | 300.339            | 3.653             | 0.001            | 0.28857    | L1 10.25  | ug/L        |
|   | Y       | 89   | 1802301.578        | 0.178             | 0.028            |            |           | ug/L        |
|   | Ag      | 107  | 519.015            | 6.010             | -0.000           | -0.02334   | L2 14.90  | ug/L        |
| > | In      | 115  | 2084464.342        | 7.157             | 2084464.342      |            |           | ug/L        |
|   | Sb      | 121  | 1004.045           | 1.149             | 0.000            | 0.01176    | L1 51.81  | ug/L        |
|   | Sb      | 123  | 798.481            | 4.023             | 0.000            | 0.00980    | L1 30.88  | ug/L        |
|   | Ba      | 135  | 59281.688          | 1.423             | 0.019            | 13.54631   | L1 1.31   | ug/L        |
|   | Ba      | 137  | 102271.524         | 1.615             | 0.032            | 13.67289   | L1 2.52   | ug/L        |
|   | Tb      | 159  | 3108354.801        | 1.532             | -0.001           |            |           | ug/L        |
| > | Ho      | 165  | 3104466.764        | 0.870             | 3104466.764      |            |           | ug/L        |
|   | Bi      | 209  | 1858931.916        | 0.765             | -0.038           |            |           | ug/L        |
|   | Tl      | 205  | 311.673            | 6.899             | 0.000            | 0.00164    | L1 28.06  | ug/L        |
|   | Pb      | 208  | 34139.224          | 2.187             | 0.009            | 0.43232    | L1 3.14   | ug/L        |
|   | Au      | 197  | 1571085.586        | 0.869             | 0.010            |            |           | mg/L        |

Sample ID: AD27831

Report Date/Time: Thursday, December 13, 2001 17:24:00

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*QC Calculated Values*

|   | Analyte | Mass | QC Std % Recovery | Int Std % Recovery | Spike % Recovery | Dilution % Diff | Dup. Rel. % Diff |
|---|---------|------|-------------------|--------------------|------------------|-----------------|------------------|
| [ | Be      | 9    |                   |                    |                  |                 |                  |
| > | Sc-1    | 45   |                   | 96.048             |                  |                 |                  |
|   | Cr      | 52   |                   |                    |                  |                 |                  |
|   | Cr      | 53   |                   |                    |                  |                 |                  |
|   | Mn      | 55   |                   |                    |                  |                 |                  |
|   | Ni      | 60   |                   |                    |                  |                 |                  |
|   | Cu      | 63   |                   |                    |                  |                 |                  |
|   | Cu      | 65   |                   |                    |                  |                 |                  |
|   | Zn      | 66   |                   |                    |                  |                 |                  |
|   | Zn      | 67   |                   |                    |                  |                 |                  |
|   | Zn      | 68   |                   |                    |                  |                 |                  |
| > | Ge      | 72   |                   | 97.701             |                  |                 |                  |
|   | As      | 75   |                   |                    |                  |                 |                  |
|   | Se      | 77   |                   |                    |                  |                 |                  |
|   | Se      | 82   |                   |                    |                  |                 |                  |
|   | Y       | 89   |                   |                    |                  |                 |                  |
|   | Ag      | 107  |                   |                    |                  |                 |                  |
| > | In      | 115  |                   | 92.240             |                  |                 |                  |
|   | Sb      | 121  |                   |                    |                  |                 |                  |
|   | Sb      | 123  |                   |                    |                  |                 |                  |
|   | Ba      | 135  |                   |                    |                  |                 |                  |
|   | Ba      | 137  |                   |                    |                  |                 |                  |
|   | Tb      | 159  |                   |                    |                  |                 |                  |
| > | Ho      | 165  |                   | 100.426            |                  |                 |                  |
|   | Bi      | 209  |                   |                    |                  |                 |                  |
|   | Tl      | 205  |                   |                    |                  |                 |                  |
|   | Pb      | 208  |                   |                    |                  |                 |                  |
|   | Au      | 197  |                   |                    |                  |                 |                  |

## Method 200.8 - Summary Report

### Sample ID: AD27952

Sample Date/Time: Thursday, December 13, 2001 17:25:25

Sample Type: Sample

Sample Description:

Number of Replicates: 3

Batch ID:

Method File: d:\Elandata\Method\NEWQ200.8.mth

Dataset File: d:\Elandata\Dataset\daily performance\AD27952.637

Sample Prep Volume (mL):

Initial Sample Quantity (mg):

Aliquot Volume (mL):

Diluted To Volume (mL):

### Concentration Results

| Analyte | Mass | Meas. Intens. Mean | Meas. Intens. RSD | Net Intens. Mean | Conc. Mean | Conc. RSD | Sample Unit |
|---------|------|--------------------|-------------------|------------------|------------|-----------|-------------|
| Be      | 9    | 24.667             | 23.052            | 0.000            | 0.00363    | 237.59    | ug/L        |
| > Sc-1  | 45   | 752766.220         | 2.451             | 752766.220       |            |           | ug/L        |
| Cr      | 52   | 12629.041          | 1.772             | 0.001            | 0.06202    | 10.12     | ug/L        |
| Cr      | 53   | 1598.772           | 1.481             | 0.001            | 0.39353    | 9.27      | ug/L        |
| Mn      | 55   | 560490.372         | 1.311             | 0.744            | 23.61519   | 1.45      | ug/L        |
| Ni      | 60   | 1550.100           | 1.860             | 0.000            | 0.01074    | 140.73    | ug/L        |
| Cu      | 63   | 10653.078          | 1.569             | 0.010            | 0.80416    | 5.84      | ug/L        |
| Cu      | 65   | 4981.918           | 1.049             | 0.004            | 0.73552    | 5.33      | ug/L        |
| Zn      | 66   | 2347.883           | 2.562             | -0.001           | -0.04878   | 45.39     | ug/L        |
| Zn      | 67   | 696.024            | 3.766             | 0.001            | 0.45593    | 6.21      | ug/L        |
| Zn      | 68   | 2560.588           | 1.235             | 0.005            | 0.35527    | 7.80      | ug/L        |
| > Ge    | 72   | 152839.257         | 1.724             | 152839.257       |            |           | ug/L        |
| As      | 75   | 1525.034           | 6.334             | 0.009            | 0.44040    | 8.17      | ug/L        |
| Se      | 77   | 249.338            | 2.350             | 0.000            | 0.27759    | 10.75     | ug/L        |
| Se      | 82   | 317.007            | 3.042             | 0.001            | 0.31185    | 9.85      | ug/L        |
| Y       | 89   | 1827821.761        | 0.859             | -0.047           |            |           | ug/L        |
| Ag      | 107  | 425.344            | 4.142             | -0.000           | -0.03162   | 3.08      | ug/L        |
| > In    | 115  | 2305298.847        | 1.342             | 2305298.847      |            |           | ug/L        |
| Sb      | 121  | 853.034            | 2.456             | -0.000           | -0.00687   | 14.38     | ug/L        |
| Sb      | 123  | 637.641            | 5.312             | -0.000           | -0.01282   | 27.68     | ug/L        |
| Ba      | 135  | 58634.335          | 0.175             | 0.018            | 12.93777   | 0.26      | ug/L        |
| Ba      | 137  | 102107.639         | 0.720             | 0.031            | 13.18268   | 0.78      | ug/L        |
| Tb      | 159  | 3220188.487        | 1.531             | -0.000           |            |           | ug/L        |
| > Ho    | 165  | 3212129.745        | 0.117             | 3212129.745      |            |           | ug/L        |
| Bi      | 209  | 1938002.457        | 0.960             | -0.033           |            |           | ug/L        |
| Tl      | 205  | 281.006            | 7.267             | 0.000            | 0.00081    | 51.40     | ug/L        |
| Pb      | 208  | 3912.249           | 2.113             | -0.001           | -0.06132   | 2.16      | ug/L        |
| Au      | 197  | 1634331.056        | 0.640             | 0.013            |            |           | mg/L        |

Sample ID: AD27952

Report Date/Time: Thursday, December 13, 2001 17:27:09

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*QC Calculated Values*

|   | Analyte | Mass | QC Std % Recovery | Int Std % Recovery | Spike % Recovery | Dilution % Diff | Dup. Rel. % Diff |
|---|---------|------|-------------------|--------------------|------------------|-----------------|------------------|
| [ | Be      | 9    |                   |                    |                  |                 |                  |
| > | Sc-1    | 45   |                   | 99.053             |                  |                 |                  |
|   | Cr      | 52   |                   |                    |                  |                 |                  |
|   | Cr      | 53   |                   |                    |                  |                 |                  |
|   | Mn      | 55   |                   |                    |                  |                 |                  |
|   | Ni      | 60   |                   |                    |                  |                 |                  |
|   | Cu      | 63   |                   |                    |                  |                 |                  |
| L | Cu      | 65   |                   |                    |                  |                 |                  |
| [ | Zn      | 66   |                   |                    |                  |                 |                  |
|   | Zn      | 67   |                   |                    |                  |                 |                  |
|   | Zn      | 68   |                   |                    |                  |                 |                  |
| > | Ge      | 72   |                   | 100.354            |                  |                 |                  |
|   | As      | 75   |                   |                    |                  |                 |                  |
|   | Se      | 77   |                   |                    |                  |                 |                  |
| L | Se      | 82   |                   |                    |                  |                 |                  |
| [ | Y       | 89   |                   |                    |                  |                 |                  |
|   | Ag      | 107  |                   |                    |                  |                 |                  |
| > | In      | 115  |                   | 102.012            |                  |                 |                  |
|   | Sb      | 121  |                   |                    |                  |                 |                  |
| L | Sb      | 123  |                   |                    |                  |                 |                  |
| [ | Ba      | 135  |                   |                    |                  |                 |                  |
|   | Ba      | 137  |                   |                    |                  |                 |                  |
|   | Tb      | 159  |                   |                    |                  |                 |                  |
| > | Ho      | 165  |                   | 103.909            |                  |                 |                  |
|   | Bi      | 209  |                   |                    |                  |                 |                  |
|   | Tl      | 205  |                   |                    |                  |                 |                  |
|   | Pb      | 208  |                   |                    |                  |                 |                  |
| L | Au      | 197  |                   |                    |                  |                 |                  |

Sample ID: AD27952

Report Date/Time: Thursday, December 13, 2001 17:27:09

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## Method 200.8 - Summary Report

### Sample ID: AD27953

Sample Date/Time: Thursday, December 13, 2001 17:28:31

Sample Type: Sample

Sample Description:

Number of Replicates: 3

Batch ID:

Method File: d:\Elandata\Method\NEWQ200.8.mth

Dataset File: d:\Elandata\Dataset\daily performance\AD27953.638

Sample Prep Volume (mL):

Initial Sample Quantity (mg):

Aliquot Volume (mL):

Diluted To Volume (mL):

### Concentration Results

| Analyte | Mass | Meas. Intens. Mean | Meas. Intens. RSD | Net Intens. Mean | Conc. Mean | Conc. RSD | Sample Unit |
|---------|------|--------------------|-------------------|------------------|------------|-----------|-------------|
| Be      | 9    | 22.000             | 24.052            | -0.000           | -0.00168   | <2        | 521.93 ug/L |
| > Sc-1  | 45   | 771538.853         | 0.702             | 771538.853       |            |           | ug/L        |
| Cr      | 52   | 22721.960          | 2.905             | 0.014            | 0.75463    | >1        | 4.76 ug/L   |
| Cr      | 53   | 4050.615           | 3.392             | 0.004            | 1.78950    | >1        | 3.71 ug/L   |
| Mn      | 55   | 2861486.148        | 1.174             | 3.708            | 117.75192  | >1        | 1.54 ug/L   |
| Ni      | 60   | 4762.842           | 2.157             | 0.004            | 0.77273    | <1        | 2.77 ug/L   |
| Cu      | 63   | 313548.434         | 2.201             | 0.402            | 33.54586   | >1        | 2.65 ug/L   |
| Cu      | 65   | 151319.512         | 1.666             | 0.194            | 32.85684   | >1        | 2.07 ug/L   |
| Zn      | 66   | 12941.656          | 1.291             | 0.069            | 3.67028    | >2        | 3.11 ug/L   |
| Zn      | 67   | 2649.272           | 4.214             | 0.014            | 4.34840    | >2        | 5.30 ug/L   |
| Zn      | 68   | 11084.410          | 1.697             | 0.061            | 4.44064    | >2        | 3.61 ug/L   |
| > Ge    | 72   | 152658.268         | 1.309             | 152658.268       |            |           | ug/L        |
| As      | 75   | 2430.136           | 1.581             | 0.015            | 0.72749    | <2        | 0.82 ug/L   |
| Se      | 77   | 499.014            | 3.033             | 0.002            | 1.19411    | <1 ?      | 4.83 ug/L   |
| Se      | 82   | 408.010            | 4.252             | 0.001            | 0.55948    | <1        | 6.32 ug/L   |
| Y       | 89   | 1846054.656        | 1.414             | -0.039           |            |           | ug/L        |
| Ag      | 107  | 384.676            | 5.768             | -0.000           | -0.03385   | <2        | 3.35 ug/L   |
| > In    | 115  | 2306061.983        | 0.837             | 2306061.983      |            |           | ug/L        |
| Sb      | 121  | 1251.734           | 1.607             | 0.000            | 0.02152    | <0.1      | 9.82 ug/L   |
| Sb      | 123  | 1010.121           | 2.377             | 0.000            | 0.02130    | <0.1      | 12.05 ug/L  |
| Ba      | 135  | 129044.862         | 0.799             | 0.040            | 28.58091   | >0.1      | 1.08 ug/L   |
| Ba      | 137  | 226501.122         | 0.762             | 0.069            | 29.34164   | >0.1      | 0.51 ug/L   |
| Tb      | 159  | 3256960.611        | 0.690             | 0.004            |            |           | ug/L        |
| > Ho    | 165  | 3234830.501        | 0.397             | 3234830.501      |            |           | ug/L        |
| Bi      | 209  | 1866812.844        | 0.354             | -0.059           |            |           | ug/L        |
| Tl      | 205  | 429.344            | 2.447             | 0.000            | 0.00372    | <1        | 5.31 ug/L   |
| Pb      | 208  | 84379.032          | 0.031             | 0.024            | 1.19389    | >1        | 0.46 ug/L   |
| Au      | 197  | 1613666.376        | 1.196             | 0.003            |            |           | -mg/L       |

Sample ID: AD27953

Report Date/Time: Thursday, December 13, 2001 17:30:15

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*QC Calculated Values*

|   | Analyte | Mass | QC Std % Recovery | Int Std % Recovery | Spike % Recovery | Dilution % Diff | Dup. Rel. % Diff |
|---|---------|------|-------------------|--------------------|------------------|-----------------|------------------|
| [ | Be      | 9    |                   |                    |                  |                 |                  |
| > | Sc-1    | 45   |                   | 101.523            |                  |                 |                  |
|   | Cr      | 52   |                   |                    |                  |                 |                  |
|   | Cr      | 53   |                   |                    |                  |                 |                  |
|   | Mn      | 55   |                   |                    |                  |                 |                  |
|   | Ni      | 60   |                   |                    |                  |                 |                  |
|   | Cu      | 63   |                   |                    |                  |                 |                  |
|   | Cu      | 65   |                   |                    |                  |                 |                  |
| [ | Zn      | 66   |                   |                    |                  |                 |                  |
|   | Zn      | 67   |                   |                    |                  |                 |                  |
|   | Zn      | 68   |                   |                    |                  |                 |                  |
| > | Ge      | 72   |                   | 100.235            |                  |                 |                  |
|   | As      | 75   |                   |                    |                  |                 |                  |
|   | Se      | 77   |                   |                    |                  |                 |                  |
|   | Se      | 82   |                   |                    |                  |                 |                  |
| [ | Y       | 89   |                   |                    |                  |                 |                  |
|   | Ag      | 107  |                   |                    |                  |                 |                  |
| > | In      | 115  |                   | 102.045            |                  |                 |                  |
|   | Sb      | 121  |                   |                    |                  |                 |                  |
|   | Sb      | 123  |                   |                    |                  |                 |                  |
| [ | Ba      | 135  |                   |                    |                  |                 |                  |
|   | Ba      | 137  |                   |                    |                  |                 |                  |
|   | Tb      | 159  |                   |                    |                  |                 |                  |
| > | Ho      | 165  |                   | 104.643            |                  |                 |                  |
|   | Bi      | 209  |                   |                    |                  |                 |                  |
|   | Tl      | 205  |                   |                    |                  |                 |                  |
|   | Pb      | 208  |                   |                    |                  |                 |                  |
|   | Au      | 197  |                   |                    |                  |                 |                  |

Sample ID: AD27953

Report Date/Time: Thursday, December 13, 2001 17:30:15

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## Method 200.8 - Summary Report

**Sample ID: AD27954**

Sample Date/Time: Thursday, December 13, 2001 17:32:08

Sample Type: Sample

Sample Description:

Number of Replicates: 3

Batch ID:

Method File: d:\Elandata\Method\NEWQ200.8.mth

Dataset File: d:\Elandata\Dataset\daily performance\AD27954.639

Sample Prep Volume (mL):

Initial Sample Quantity (mg):

Aliquot Volume (mL):

Diluted To Volume (mL):

### Concentration Results

| Analyte | Mass | Meas. Intens. Mean | Meas. Intens. RSD | Net Intens. Mean | Conc. Mean | Conc. RSD | Sample Unit |
|---------|------|--------------------|-------------------|------------------|------------|-----------|-------------|
| Be      | 9    | 29.667             | 24.846            | 0.000            | 0.01446    | <2        | 95.83 ug/L  |
| > Sc-1  | 45   | 723189.351         | 1.561             | 723189.351       |            |           | ug/L        |
| Cr      | 52   | 18264.186          | 1.521             | 0.010            | 0.52570    | <1        | 6.15 ug/L   |
| Cr      | 53   | 2653.606           | 1.496             | 0.002            | 1.08353    |           | 1.64 ug/L   |
| Mn      | 55   | 839613.047         | 1.759             | 1.160            | 36.83844   | >1        | 2.00 ug/L   |
| Ni      | 60   | 2032.165           | 2.718             | 0.001            | 0.14971    | <1        | 11.01 ug/L  |
| Cu      | 63   | 84798.113          | 0.460             | 0.113            | 9.41045    | >1        | 1.24 ug/L   |
| Cu      | 65   | 41552.091          | 0.211             | 0.055            | 9.35329    |           | 1.84 ug/L   |
| Zn      | 66   | 6910.073           | 1.012             | 0.031            | 1.63800    |           | 1.23 ug/L   |
| Zn      | 67   | 1463.423           | 2.041             | 0.007            | 2.08840    | <2        | 2.64 ug/L   |
| Zn      | 68   | 5954.301           | 2.830             | 0.028            | 2.08198    |           | 3.64 ug/L   |
| > Ge    | 72   | 147482.188         | 0.485             | 147482.188       |            |           | ug/L        |
| As      | 75   | 1835.735           | 1.184             | 0.012            | 0.55955    | <2        | 1.04 ug/L   |
| Se      | 77   | 284.006            | 9.494             | 0.001            | 0.44220    | <1        | 23.44 ug/L  |
| Se      | 82   | 337.007            | 3.126             | 0.001            | 0.39919    |           | 8.54 ug/L   |
| Y       | 89   | 1759188.042        | 2.016             | 0.047            |            |           | ug/L        |
| Ag      | 107  | 391.009            | 1.556             | -0.000           | -0.03004   | <2        | 1.55 ug/L   |
| > In    | 115  | 1984588.728        | 0.329             | 1984588.728      |            |           | ug/L        |
| Sb      | 121  | 839.033            | 3.670             | 0.000            | 0.00179    | <0.1      | 132.69 ug/L |
| Sb      | 123  | 657.096            | 2.969             | -0.000           | -0.00132   |           | 143.26 ug/L |
| Ba      | 135  | 66947.509          | 0.750             | 0.021            | 15.32101   | >0.1      | 0.61 ug/L   |
| Ba      | 137  | 116137.717         | 1.378             | 0.037            | 15.54849   |           | 1.36 ug/L   |
| Tb      | 159  | 3101503.524        | 1.576             | -0.004           |            |           | ug/L        |
| > Ho    | 165  | 3106483.730        | 0.250             | 3106483.730      |            |           | ug/L        |
| Bi      | 209  | 1864397.225        | 0.701             | -0.036           |            |           | ug/L        |
| Tl      | 205  | 290.006            | 2.759             | 0.000            | 0.00119    | <1        | 12.72 ug/L  |
| Pb      | 208  | 20957.901          | 0.671             | 0.004            | 0.21774    | <1        | 0.78 ug/L   |
| Au      | 197  | 1574803.973        | 0.306             | 0.011            |            |           | mg/L        |

Sample ID: AD27954

Report Date/Time: Thursday, December 13, 2001 17:33:52

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*QC Calculated Values*

|   | Analyte | Mass | QC Std % Recovery | Int Std % Recovery | Spike % Recovery | Dilution % Diff | Dup. Rel. % Diff |
|---|---------|------|-------------------|--------------------|------------------|-----------------|------------------|
| [ | Be      | 9    |                   |                    |                  |                 |                  |
| > | Sc-1    | 45   |                   | 95.161             |                  |                 |                  |
|   | Cr      | 52   |                   |                    |                  |                 |                  |
|   | Cr      | 53   |                   |                    |                  |                 |                  |
|   | Mn      | 55   |                   |                    |                  |                 |                  |
|   | Ni      | 60   |                   |                    |                  |                 |                  |
|   | Cu      | 63   |                   |                    |                  |                 |                  |
|   | Cu      | 65   |                   |                    |                  |                 |                  |
|   | Zn      | 66   |                   |                    |                  |                 |                  |
|   | Zn      | 67   |                   |                    |                  |                 |                  |
|   | Zn      | 68   |                   |                    |                  |                 |                  |
| > | Ge      | 72   |                   | 96.836             |                  |                 |                  |
|   | As      | 75   |                   |                    |                  |                 |                  |
|   | Se      | 77   |                   |                    |                  |                 |                  |
|   | Se      | 82   |                   |                    |                  |                 |                  |
|   | Y       | 89   |                   |                    |                  |                 |                  |
|   | Ag      | 107  |                   |                    |                  |                 |                  |
| > | In      | 115  |                   | 87.820             |                  |                 |                  |
|   | Sb      | 121  |                   |                    |                  |                 |                  |
|   | Sb      | 123  |                   |                    |                  |                 |                  |
|   | Ba      | 135  |                   |                    |                  |                 |                  |
|   | Ba      | 137  |                   |                    |                  |                 |                  |
|   | Tb      | 159  |                   |                    |                  |                 |                  |
| > | Ho      | 165  |                   | 100.491            |                  |                 |                  |
|   | Bi      | 209  |                   |                    |                  |                 |                  |
|   | Tl      | 205  |                   |                    |                  |                 |                  |
|   | Pb      | 208  |                   |                    |                  |                 |                  |
|   | Au      | 197  |                   |                    |                  |                 |                  |

Sample ID: AD27954

Report Date/Time: Thursday, December 13, 2001 17:33:52

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## Method 200.8 - Summary Report

**Sample ID: AD27955**

Sample Date/Time: Thursday, December 13, 2001 17:35:18

Sample Type: Sample

Sample Description:

Number of Replicates: 3

Batch ID:

Method File: d:\Elandata\Method\NEWQ200.8.mth

Dataset File: d:\Elandata\Dataset\daily performance\AD27955.640

Sample Prep Volume (mL):

Initial Sample Quantity (mg):

Aliquot Volume (mL):

Diluted To Volume (mL):

### Concentration Results

|   | Analyte | Mass | Meas. Intens. Mean | Meas. Intens. RSD | Net Intens. Mean | Conc. Mean    | Conc. RSD | Sample Unit |
|---|---------|------|--------------------|-------------------|------------------|---------------|-----------|-------------|
|   | Be      | 9    | 27.667             | 26.643            | 0.000            | 0.00894 <2    | 142.17    | ug/L        |
| > | Sc-1    | 45   | 752267.675         | 1.191             | 752267.675       |               |           | ug/L        |
|   | Cr      | 52   | 13893.559          | 1.073             | 0.003            | 0.15448 <1    | 7.73      | ug/L        |
|   | Cr      | 53   | 2074.838           | 2.640             | 0.002            | 0.67619       | 2.74      | ug/L        |
|   | Mn      | 55   | 651013.753         | 1.283             | 0.864            | 27.44738      | 0.54      | ug/L        |
|   | Ni      | 60   | 1703.119           | 2.498             | 0.000            | 0.04850 <1    | 24.95     | ug/L        |
|   | Cu      | 63   | 56172.120          | 0.955             | 0.070            | 5.85544 >1    | 1.80      | ug/L        |
|   | Cu      | 65   | 27426.914          | 1.451             | 0.034            | 5.79389       | 2.81      | ug/L        |
|   | Zn      | 66   | 5649.173           | 1.223             | 0.021            | 1.10671       | 2.97      | ug/L        |
|   | Zn      | 67   | 1235.399           | 4.971             | 0.005            | 1.52780 <2    | 8.99      | ug/L        |
|   | Zn      | 68   | 4796.187           | 2.927             | 0.019            | 1.42279       | 4.65      | ug/L        |
| > | Ge      | 72   | 152959.071         | 0.793             | 152959.071       |               |           | ug/L        |
|   | As      | 75   | 1762.567           | 5.219             | 0.011            | 0.51479 <2    | 5.18      | ug/L        |
|   | Se      | 77   | 266.005            | 3.586             | 0.001            | 0.33758 <1    | 9.57      | ug/L        |
|   | Se      | 82   | 319.340            | 6.328             | 0.001            | 0.31731       | 17.10     | ug/L        |
|   | Y       | 89   | 1819656.206        | 0.527             | -0.056           |               |           | ug/L        |
|   | Ag      | 107  | 350.008            | 7.939             | -0.000           | -0.03588 <2   | 4.63      | ug/L        |
| > | In      | 115  | 2323086.310        | 1.274             | 2323086.310      |               |           | ug/L        |
|   | Sb      | 121  | 784.029            | 7.450             | -0.000           | -0.01221 <0.1 | 33.49     | ug/L        |
|   | Sb      | 123  | 601.548            | 1.277             | -0.000           | -0.01657      | 2.35      | ug/L        |
|   | Ba      | 135  | 58454.607          | 1.001             | 0.018            | 12.94209 >0.1 | 1.19      | ug/L        |
|   | Ba      | 137  | 101191.187         | 1.532             | 0.031            | 13.07726      | 1.83      | ug/L        |
|   | Tb      | 159  | 3163460.115        | 0.734             | -0.017           |               |           | ug/L        |
| > | Ho      | 165  | 3208577.809        | 0.405             | 3208577.809      |               |           | ug/L        |
|   | Bi      | 209  | 1909242.355        | 0.659             | -0.041           |               |           | ug/L        |
|   | Tl      | 205  | 294.673            | 6.036             | 0.000            | 0.00109 <1    | 34.02     | ug/L        |
|   | Pb      | 208  | 17249.234          | 0.169             | 0.003            | 0.14857 <1    | 1.02      | ug/L        |
|   | Au      | 197  | 1603325.465        | 1.289             | 0.003            |               |           | mg/L        |

Sample ID: AD27955

Report Date/Time: Thursday, December 13, 2001 17:37:02

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### QC Calculated Values

|   | Analyte | Mass | QC Std % Recovery | Int Std % Recovery | Spike % Recovery | Dilution % Diff | Dup. Rel. % Diff |
|---|---------|------|-------------------|--------------------|------------------|-----------------|------------------|
| [ | Be      | 9    |                   |                    |                  |                 |                  |
| > | Sc-1    | 45   |                   | 98.987             |                  |                 |                  |
|   | Cr      | 52   |                   |                    |                  |                 |                  |
|   | Cr      | 53   |                   |                    |                  |                 |                  |
|   | Mn      | 55   |                   |                    |                  |                 |                  |
|   | Ni      | 60   |                   |                    |                  |                 |                  |
|   | Cu      | 63   |                   |                    |                  |                 |                  |
|   | Cu      | 65   |                   |                    |                  |                 |                  |
| [ | Zn      | 66   |                   |                    |                  |                 |                  |
|   | Zn      | 67   |                   |                    |                  |                 |                  |
|   | Zn      | 68   |                   |                    |                  |                 |                  |
| > | Ge      | 72   |                   | 100.432            |                  |                 |                  |
|   | As      | 75   |                   |                    |                  |                 |                  |
|   | Se      | 77   |                   |                    |                  |                 |                  |
|   | Se      | 82   |                   |                    |                  |                 |                  |
| [ | Y       | 89   |                   |                    |                  |                 |                  |
|   | Ag      | 107  |                   |                    |                  |                 |                  |
| > | In      | 115  |                   | 102.799            |                  |                 |                  |
|   | Sb      | 121  |                   |                    |                  |                 |                  |
|   | Sb      | 123  |                   |                    |                  |                 |                  |
| [ | Ba      | 135  |                   |                    |                  |                 |                  |
|   | Ba      | 137  |                   |                    |                  |                 |                  |
|   | Tb      | 159  |                   |                    |                  |                 |                  |
| > | Ho      | 165  |                   | 103.794            |                  |                 |                  |
|   | Bi      | 209  |                   |                    |                  |                 |                  |
|   | Tl      | 205  |                   |                    |                  |                 |                  |
|   | Pb      | 208  |                   |                    |                  |                 |                  |
|   | Au      | 197  |                   |                    |                  |                 |                  |

Sample ID: AD27955

Report Date/Time: Thursday, December 13, 2001 17:37:02

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## Method 200.8 - Summary Report

### Sample ID: AD27956

Sample Date/Time: Thursday, December 13, 2001 17:38:45

Sample Type: Sample

Sample Description:

Number of Replicates: 3

Batch ID:

Method File: d:\Elandata\Method\NEWQ200.8.mth

Dataset File: d:\Elandata\Dataset\daily performance\AD27956.641

Sample Prep Volume (mL):

Initial Sample Quantity (mg):

Aliquot Volume (mL):

Diluted To Volume (mL):

### Concentration Results

|   | Analyte | Mass | Meas. Intens. Mean | Meas. Intens. RSD | Net Intens. Mean | Conc. Mean    | Conc. RSD | Sample Unit |
|---|---------|------|--------------------|-------------------|------------------|---------------|-----------|-------------|
|   | Be      | 9    | 26.667             | 31.893            | 0.000            | 0.00916 <2    | 170.85    | ug/L        |
| > | Sc-1    | 45   | 722887.609         | 1.351             | 722887.609       |               |           | ug/L        |
|   | Cr      | 52   | 13769.437          | 0.311             | 0.003            | 0.18622 <1    | 8.24      | ug/L        |
|   | Cr      | 53   | 2016.829           | 3.019             | 0.002            | 0.69098 <1    | 7.53      | ug/L        |
|   | Mn      | 55   | 629827.284         | 1.088             | 0.870            | 27.63445      | 0.58      | ug/L        |
|   | Ni      | 60   | 1366.079           | 4.959             | -0.000           | -0.02090 <1   | 77.68     | ug/L        |
|   | Cu      | 63   | 91201.259          | 2.865             | 0.122            | 10.15385 >1   | 3.21      | ug/L        |
|   | Cu      | 65   | 44185.679          | 1.517             | 0.059            | 9.97304 >1    | 0.71      | ug/L        |
|   | Zn      | 66   | 12601.015          | 1.130             | 0.070            | 3.74820 >2    | 2.28      | ug/L        |
|   | Zn      | 67   | 2230.196           | 0.856             | 0.012            | 3.71243 >2    | 1.87      | ug/L        |
|   | Zn      | 68   | 10051.638          | 3.529             | 0.057            | 4.15942 >2    | 3.32      | ug/L        |
| > | Ge      | 72   | 146115.931         | 0.834             | 146115.931       |               |           | ug/L        |
|   | As      | 75   | 1667.964           | 3.449             | 0.011            | 0.50977 <2    | 4.61      | ug/L        |
|   | Se      | 77   | 258.338            | 8.528             | 0.001            | 0.35392 <1    | 24.17     | ug/L        |
|   | Se      | 82   | 301.340            | 3.011             | 0.001            | 0.30680 <1    | 8.29      | ug/L        |
|   | Y       | 89   | 1799341.205        | 1.834             | -0.006           |               |           | ug/L        |
|   | Ag      | 107  | 230.337            | 6.326             | -0.000           | -0.04138 <2   | 4.92      | ug/L        |
| > | In      | 115  | 2167200.455        | 8.197             | 2167200.455      |               |           | ug/L        |
|   | Sb      | 121  | 772.362            | 4.547             | -0.000           | -0.00886 <0.1 | 58.55     | ug/L        |
|   | Sb      | 123  | 616.724            | 6.451             | -0.000           | -0.01076 <0.1 | 73.55     | ug/L        |
|   | Ba      | 135  | 58915.494          | 0.637             | 0.019            | 13.43622 >0.1 | 1.16      | ug/L        |
|   | Ba      | 137  | 103378.407         | 0.642             | 0.033            | 13.79777 >0.1 | 2.13      | ug/L        |
|   | Tb      | 159  | 3101449.422        | 0.889             | -0.005           |               |           | ug/L        |
| > | Ho      | 165  | 3110364.413        | 1.456             | 3110364.413      |               |           | ug/L        |
|   | Bi      | 209  | 1863570.370        | 0.379             | -0.037           |               |           | ug/L        |
|   | Tl      | 205  | 828.699            | 3.685             | 0.000            | 0.01234 <1    | 6.40      | ug/L        |
|   | Pb      | 208  | 19841.177          | 0.643             | 0.004            | 0.19925 <1    | 3.04      | ug/L        |
|   | Au      | 197  | 1582674.315        | 0.907             | 0.013            |               |           | mg/L        |

Sample ID: AD27956

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### QC Calculated Values

| Analyte  | Mass | QC Std % Recovery | Int Std % Recovery | Spike % Recovery | Dilution % Diff | Dup. Rel. % Diff |
|----------|------|-------------------|--------------------|------------------|-----------------|------------------|
| [ Be     | 9    |                   |                    |                  |                 |                  |
| [ > Sc-1 | 45   |                   | 95.121             |                  |                 |                  |
| [ Cr     | 52   |                   |                    |                  |                 |                  |
| [ Cr     | 53   |                   |                    |                  |                 |                  |
| [ Mn     | 55   |                   |                    |                  |                 |                  |
| [ Ni     | 60   |                   |                    |                  |                 |                  |
| [ Cu     | 63   |                   |                    |                  |                 |                  |
| [ Cu     | 65   |                   |                    |                  |                 |                  |
| [ Zn     | 66   |                   |                    |                  |                 |                  |
| [ Zn     | 67   |                   |                    |                  |                 |                  |
| [ Zn     | 68   |                   |                    |                  |                 |                  |
| [ > Ge   | 72   |                   | 95.939             |                  |                 |                  |
| [ As     | 75   |                   |                    |                  |                 |                  |
| [ Se     | 77   |                   |                    |                  |                 |                  |
| [ Se     | 82   |                   |                    |                  |                 |                  |
| [ Y      | 89   |                   |                    |                  |                 |                  |
| [ Ag     | 107  |                   |                    |                  |                 |                  |
| [ > In   | 115  |                   | 95.901             |                  |                 |                  |
| [ Sb     | 121  |                   |                    |                  |                 |                  |
| [ Sb     | 123  |                   |                    |                  |                 |                  |
| [ Ba     | 135  |                   |                    |                  |                 |                  |
| [ Ba     | 137  |                   |                    |                  |                 |                  |
| [ Tb     | 159  |                   |                    |                  |                 |                  |
| [ > Ho   | 165  |                   | 100.617            |                  |                 |                  |
| [ Bi     | 209  |                   |                    |                  |                 |                  |
| [ Tl     | 205  |                   |                    |                  |                 |                  |
| [ Pb     | 208  |                   |                    |                  |                 |                  |
| [ Au     | 197  |                   |                    |                  |                 |                  |

Sample ID: AD27956

Report Date/Time: Thursday, December 13, 2001 17:40:29

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## Method 200.8 - Summary Report

### Sample ID: AD27957

Sample Date/Time: Thursday, December 13, 2001 17:41:59

Sample Type: Sample

Sample Description:

Number of Replicates: 3

Batch ID:

Method File: d:\Elandata\Method\NEWQ200.8.mth

Dataset File: d:\Elandata\Dataset\daily performance\AD27957.642

Sample Prep Volume (mL):

Initial Sample Quantity (mg):

Aliquot Volume (mL):

Diluted To Volume (mL):

### Concentration Results

|   | Analyte | Mass | Meas. Intens. Mean | Meas. Intens. RSD | Net Intens. Mean | Conc. Mean | Conc. RSD | Sample Unit |
|---|---------|------|--------------------|-------------------|------------------|------------|-----------|-------------|
|   | Be      | 9    | 20.000             | 15.000            | -0.000           | -0.00381   | 146.83    | ug/L        |
| > | Sc-1    | 45   | 745968.918         | 1.326             | 745968.918       |            |           | ug/L        |
|   | Cr      | 52   | 14706.046          | 0.752             | 0.004            | 0.22259    | 5.39      | ug/L        |
|   | Cr      | 53   | 2036.165           | 0.910             | 0.001            | 0.66380    | 4.01      | ug/L        |
|   | Mn      | 55   | 264496.851         | 0.937             | 0.353            | 11.22502   | 0.40      | ug/L        |
|   | Ni      | 60   | 1544.432           | 1.913             | 0.000            | 0.01259    | 54.45     | ug/L        |
|   | Cu      | 63   | 129899.901         | 0.791             | 0.170            | 14.15900   | 1.82      | ug/L        |
|   | Cu      | 65   | 63224.252          | 1.637             | 0.082            | 13.97788   | 0.49      | ug/L        |
|   | Zn      | 66   | 9181.375           | 0.899             | 0.045            | 2.38610    | 1.28      | ug/L        |
|   | Zn      | 67   | 1794.131           | 2.776             | 0.009            | 2.68458    | 2.91      | ug/L        |
|   | Zn      | 68   | 7724.165           | 1.358             | 0.039            | 2.87128    | 1.64      | ug/L        |
| > | Ge      | 72   | 150963.646         | 0.612             | 150963.646       |            |           | ug/L        |
|   | As      | 75   | 1741.892           | 2.059             | 0.011            | 0.51566    | 2.87      | ug/L        |
|   | Se      | 77   | 262.672            | 5.495             | 0.001            | 0.33836    | 17.47     | ug/L        |
|   | Se      | 82   | 325.007            | 4.777             | 0.001            | 0.34430    | 12.19     | ug/L        |
|   | Y       | 89   | 1803392.098        | 1.085             | -0.051           |            |           | ug/L        |
|   | Ag      | 107  | 241.671            | 2.279             | -0.000           | -0.04156   | 0.62      | ug/L        |
| > | In      | 115  | 2286325.571        | 1.680             | 2286325.571      |            |           | ug/L        |
|   | Sb      | 121  | 788.030            | 4.270             | -0.000           | -0.01104   | 16.54     | ug/L        |
|   | Sb      | 123  | 613.882            | 0.404             | -0.000           | -0.01454   | 6.85      | ug/L        |
|   | Ba      | 135  | 61332.998          | 0.917             | 0.019            | 13.69815   | 1.21      | ug/L        |
|   | Ba      | 137  | 107396.594         | 0.647             | 0.033            | 14.03509   | 0.78      | ug/L        |
|   | Tb      | 159  | 3161758.362        | 0.996             | -0.008           |            |           | ug/L        |
| > | Ho      | 165  | 3177094.846        | 1.105             | 3177094.846      |            |           | ug/L        |
|   | Bi      | 209  | 1874210.998        | 0.833             | -0.046           |            |           | ug/L        |
|   | Tl      | 205  | 865.035            | 2.972             | 0.000            | 0.01271    | 3.62      | ug/L        |
|   | Pb      | 208  | 48803.081          | 0.680             | 0.013            | 0.65261    | 0.78      | ug/L        |
|   | Au      | 197  | 1615761.599        | 0.582             | 0.012            |            |           | mg/L        |

Sample ID: AD27957

Report Date/Time: Thursday, December 13, 2001 17:43:43

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*QC Calculated Values*

|   | Analyte | Mass | QC Std % Recovery | Int Std % Recovery | Spike % Recovery | Dilution % Diff | Dup. Rel. % Diff |
|---|---------|------|-------------------|--------------------|------------------|-----------------|------------------|
| [ | Be      | 9    |                   |                    |                  |                 |                  |
| > | Sc-1    | 45   |                   | 98.158             |                  |                 |                  |
|   | Cr      | 52   |                   |                    |                  |                 |                  |
|   | Cr      | 53   |                   |                    |                  |                 |                  |
|   | Mn      | 55   |                   |                    |                  |                 |                  |
|   | Ni      | 60   |                   |                    |                  |                 |                  |
|   | Cu      | 63   |                   |                    |                  |                 |                  |
|   | Cu      | 65   |                   |                    |                  |                 |                  |
|   | Zn      | 66   |                   |                    |                  |                 |                  |
|   | Zn      | 67   |                   |                    |                  |                 |                  |
|   | Zn      | 68   |                   |                    |                  |                 |                  |
| > | Ge      | 72   |                   | 99.122             |                  |                 |                  |
|   | As      | 75   |                   |                    |                  |                 |                  |
|   | Se      | 77   |                   |                    |                  |                 |                  |
|   | Se      | 82   |                   |                    |                  |                 |                  |
|   | Y       | 89   |                   |                    |                  |                 |                  |
|   | Ag      | 107  |                   |                    |                  |                 |                  |
| > | In      | 115  |                   | 101.172            |                  |                 |                  |
|   | Sb      | 121  |                   |                    |                  |                 |                  |
|   | Sb      | 123  |                   |                    |                  |                 |                  |
|   | Ba      | 135  |                   |                    |                  |                 |                  |
|   | Ba      | 137  |                   |                    |                  |                 |                  |
|   | Tb      | 159  |                   |                    |                  |                 |                  |
| > | Ho      | 165  |                   | 102.775            |                  |                 |                  |
|   | Bi      | 209  |                   |                    |                  |                 |                  |
|   | Tl      | 205  |                   |                    |                  |                 |                  |
|   | Pb      | 208  |                   |                    |                  |                 |                  |
|   | Au      | 197  |                   |                    |                  |                 |                  |

Sample ID: AD27957

Report Date/Time: Thursday, December 13, 2001 17:43:43

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## Method 200.8 - Summary Report

### Sample ID: CAL BK - CCV

Sample Date/Time: Thursday, December 13, 2001 17:45:17

Sample Type: Sample

Sample Description: CCV

Number of Replicates: 3

Batch ID:

Method File: d:\Elandata\Method\NEWQ200.8.mth

Dataset File: d:\Elandata\Dataset\daily performance\CAL BK - CCV .643

Sample Prep Volume (mL):

Initial Sample Quantity (mg):

Aliquot Volume (mL):

Diluted To Volume (mL):

### Concentration Results

|   | Analyte | Mass | Meas. Intens. Mean | Meas. Intens. RSD | Net Intens. Mean | Conc. Mean | Conc. RSD | Sample Unit |
|---|---------|------|--------------------|-------------------|------------------|------------|-----------|-------------|
| [ | Be      | 9    | 20.667             | 7.391             | -0.000           | -0.00243   | 120.03    | ug/L        |
| > | Sc-1    | 45   | 740297.636         | 0.811             | 740297.636       |            |           | ug/L        |
|   | Cr      | 52   | 10787.513          | 0.657             | -0.001           | -0.05860   | 12.02     | ug/L        |
|   | Cr      | 53   | 1257.735           | 9.659             | 0.000            | 0.20312    | 36.10     | ug/L        |
|   | Mn      | 55   | 1905.147           | 8.884             | 0.001            | 0.04625    | 16.29     | ug/L        |
|   | Ni      | 60   | 742.360            | 2.613             | -0.001           | -0.18521   | 2.91      | ug/L        |
|   | Cu      | 63   | 6402.165           | 1.587             | 0.004            | 0.34400    | 2.59      | ug/L        |
|   | Cu      | 65   | 3394.440           | 9.520             | 0.002            | 0.39004    | 17.63     | ug/L        |
| [ | Zn      | 66   | 1502.761           | 1.340             | -0.006           | -0.32689   | 2.30      | ug/L        |
|   | Zn      | 67   | 330.007            | 7.447             | -0.001           | -0.24920   | 19.95     | ug/L        |
|   | Zn      | 68   | 1136.723           | 5.722             | -0.004           | -0.30722   | 12.17     | ug/L        |
| > | Ge      | 72   | 147745.590         | 0.941             | 147745.590       |            |           | ug/L        |
|   | As      | 75   | 172.540            | 38.523            | 0.000            | 0.01407    | 158.87    | ug/L        |
|   | Se      | 77   | 196.670            | 4.614             | 0.000            | 0.10953    | 37.96     | ug/L        |
|   | Se      | 82   | 200.670            | 3.004             | 0.000            | 0.01516    | 146.26    | ug/L        |
| [ | Y       | 89   | 1837148.135        | 0.402             | -0.044           |            |           | ug/L        |
|   | Ag      | 107  | 488.680            | 1.363             | -0.000           | -0.02819   | 1.29      | ug/L        |
| > | In      | 115  | 2308764.545        | 0.658             | 2308764.545      |            |           | ug/L        |
|   | Sb      | 121  | 147.336            | 2.570             | -0.000           | -0.05715   | 0.35      | ug/L        |
|   | Sb      | 123  | 108.076            | 1.143             | -0.000           | -0.06142   | 0.27      | ug/L        |
| [ | Ba      | 135  | 2963.337           | 0.819             | 0.001            | 0.42172    | 0.73      | ug/L        |
|   | Ba      | 137  | 5303.371           | 1.562             | 0.001            | 0.45837    | 3.09      | ug/L        |
|   | Tb      | 159  | 3142121.806        | 0.229             | -0.005           |            |           | ug/L        |
| > | Ho      | 165  | 3150397.235        | 0.737             | 3150397.235      |            |           | ug/L        |
|   | Bi      | 209  | 1901573.539        | 1.213             | -0.033           |            |           | ug/L        |
|   | Tl      | 205  | 819.698            | 2.721             | 0.000            | 0.01194    | 3.55      | ug/L        |
|   | Pb      | 208  | 24005.763          | 0.513             | 0.005            | 0.26185    | 1.56      | ug/L        |
|   | Au      | 197  | 1537610.395        | 0.597             | -0.008           |            |           | mg/L        |

Sample ID: CAL BK - CCV

Report Date/Time: Thursday, December 13, 2001 17:47:01

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*QC Calculated Values*

| Analyte | Mass | QC Std % Recovery | Int Std % Recovery | Spike % Recovery | Dilution % Diff | Dup. Rel. % Diff |
|---------|------|-------------------|--------------------|------------------|-----------------|------------------|
| [ Be    | 9    |                   |                    |                  |                 |                  |
| [> Sc-1 | 45   |                   | 97.412             |                  |                 |                  |
| [ Cr    | 52   |                   |                    |                  |                 |                  |
| [ Cr    | 53   |                   |                    |                  |                 |                  |
| [ Mn    | 55   |                   |                    |                  |                 |                  |
| [ Ni    | 60   |                   |                    |                  |                 |                  |
| [ Cu    | 63   |                   |                    |                  |                 |                  |
| [ Cu    | 65   |                   |                    |                  |                 |                  |
| [ Zn    | 66   |                   |                    |                  |                 |                  |
| [ Zn    | 67   |                   |                    |                  |                 |                  |
| [ Zn    | 68   |                   |                    |                  |                 |                  |
| [> Ge   | 72   |                   | 97.009             |                  |                 |                  |
| [ As    | 75   |                   |                    |                  |                 |                  |
| [ Se    | 77   |                   |                    |                  |                 |                  |
| [ Se    | 82   |                   |                    |                  |                 |                  |
| [ Y     | 89   |                   |                    |                  |                 |                  |
| [ Ag    | 107  |                   |                    |                  |                 |                  |
| [> In   | 115  |                   | 102.165            |                  |                 |                  |
| [ Sb    | 121  |                   |                    |                  |                 |                  |
| [ Sb    | 123  |                   |                    |                  |                 |                  |
| [ Ba    | 135  |                   |                    |                  |                 |                  |
| [ Ba    | 137  |                   |                    |                  |                 |                  |
| [ Tb    | 159  |                   |                    |                  |                 |                  |
| [> Ho   | 165  |                   | 101.912            |                  |                 |                  |
| [ Bi    | 209  |                   |                    |                  |                 |                  |
| [ Tl    | 205  |                   |                    |                  |                 |                  |
| [ Pb    | 208  |                   |                    |                  |                 |                  |
| [ Au    | 197  |                   |                    |                  |                 |                  |

Sample ID: CAL BK - CCV

Report Date/Time: Thursday, December 13, 2001 17:47:01

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## Method 200.8 - Summary Report

### Sample ID: STD 1 - CCV

Sample Date/Time: Thursday, December 13, 2001 17:48:26

Sample Type: Sample

Sample Description: 60 PPB -CCV

Number of Replicates: 3

Batch ID:

Method File: d:\Elandata\Method\NEWQ200.8.mth

Dataset File: d:\Elandata\Dataset\daily performance\STD 1 - CCV .644

Sample Prep Volume (mL):

Initial Sample Quantity (mg):

Aliquot Volume (mL):

Diluted To Volume (mL):

### Concentration Results

|   | Analyte | Mass | Meas. Intens. Mean | Meas. Intens. RSD | Net Intens. Mean | Conc. Mean | Conc. RSD | Sample Unit |
|---|---------|------|--------------------|-------------------|------------------|------------|-----------|-------------|
| [ | Be      | 9    | 35920.796          | 0.166             | 0.050            | 64.31818   | 1.96      | ug/L        |
| > | Sc-1    | 45   | 714908.602         | 2.053             | 714908.602       |            |           | ug/L        |
|   | Cr      | 52   | 820463.453         | 0.391             | 1.132            | 61.90855   | 2.36      | ug/L        |
|   | Cr      | 53   | 99162.358          | 1.704             | 0.137            | 61.42353   | 1.11      | ug/L        |
|   | Mn      | 55   | 1302537.982        | 0.945             | 1.821            | 57.83398   | 1.13      | ug/L        |
|   | Ni      | 60   | 233840.048         | 1.845             | 0.325            | 60.24339   | 2.06      | ug/L        |
|   | Cu      | 63   | 530626.291         | 1.049             | 0.738            | 61.58681   | 1.70      | ug/L        |
|   | Cu      | 65   | 261211.925         | 1.850             | 0.363            | 61.54299   | 0.40      | ug/L        |
| [ | Zn      | 66   | 174814.085         | 1.902             | 1.190            | 63.75006   | 3.73      | ug/L        |
|   | Zn      | 67   | 30871.643          | 2.452             | 0.210            | 63.83319   | 3.45      | ug/L        |
|   | Zn      | 68   | 129776.982         | 2.365             | 0.883            | 64.59289   | 2.09      | ug/L        |
| > | Ge      | 72   | 144968.439         | 1.791             | 144968.439       |            |           | ug/L        |
|   | As      | 75   | 186246.625         | 1.003             | 1.284            | 62.11232   | 1.11      | ug/L        |
|   | Se      | 77   | 16571.107          | 2.078             | 0.113            | 63.35301   | 1.32      | ug/L        |
|   | Se      | 82   | 22577.721          | 1.216             | 0.154            | 64.00062   | 2.05      | ug/L        |
| [ | Y       | 89   | 1734111.984        | 1.018             | 0.035            |            |           | ug/L        |
|   | Ag      | 107  | 985556.719         | 1.177             | 0.497            | 62.66336   | 1.14      | ug/L        |
| > | In      | 115  | 1982340.323        | 0.395             | 1982340.323      |            |           | ug/L        |
|   | Sb      | 121  | 810449.979         | 0.368             | 0.408            | 67.06808   | 0.76      | ug/L        |
|   | Sb      | 123  | 623186.264         | 0.116             | 0.314            | 66.39086   | 0.32      | ug/L        |
| [ | Ba      | 135  | 247035.718         | 1.501             | 0.080            | 57.77372   | 1.34      | ug/L        |
|   | Ba      | 137  | 429413.585         | 0.366             | 0.139            | 58.72680   | 0.20      | ug/L        |
|   | Tb      | 159  | 3075450.968        | 1.123             | -0.003           |            |           | ug/L        |
| > | Ho      | 165  | 3077299.516        | 0.194             | 3077299.516      |            |           | ug/L        |
|   | Bi      | 209  | 1861320.358        | 0.537             | -0.032           |            |           | ug/L        |
|   | Tl      | 205  | 2901013.771        | 1.368             | 0.943            | 60.74013   | 1.22      | ug/L        |
|   | Pb      | 208  | 3465082.141        | 0.930             | 1.124            | 56.71608   | 1.13      | ug/L        |
|   | Au      | 197  | 1136933.698        | 0.438             | -0.127           |            |           | mg/L        |

Sample ID: STD 1 - CCV

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*QC Calculated Values*

| Analyte | Mass | QC Std % Recovery | Int Std % Recovery | Spike % Recovery | Dilution % Diff | Dup. Rel. % Diff |
|---------|------|-------------------|--------------------|------------------|-----------------|------------------|
| [ Be    | 9    |                   |                    |                  |                 |                  |
| [> Sc-1 | 45   |                   | 94.071             |                  |                 |                  |
| [ Cr    | 52   |                   |                    |                  |                 |                  |
| [ Cr    | 53   |                   |                    |                  |                 |                  |
| [ Mn    | 55   |                   |                    |                  |                 |                  |
| [ Ni    | 60   |                   |                    |                  |                 |                  |
| [ Cu    | 63   |                   |                    |                  |                 |                  |
| [ Cu    | 65   |                   |                    |                  |                 |                  |
| [ Zn    | 66   |                   |                    |                  |                 |                  |
| [ Zn    | 67   |                   |                    |                  |                 |                  |
| [ Zn    | 68   |                   |                    |                  |                 |                  |
| [> Ge   | 72   |                   | 95.186             |                  |                 |                  |
| [ As    | 75   |                   |                    |                  |                 |                  |
| [ Se    | 77   |                   |                    |                  |                 |                  |
| [ Se    | 82   |                   |                    |                  |                 |                  |
| [ Y     | 89   |                   |                    |                  |                 |                  |
| [ Ag    | 107  |                   |                    |                  |                 |                  |
| [> In   | 115  |                   | 87.720             |                  |                 |                  |
| [ Sb    | 121  |                   |                    |                  |                 |                  |
| [ Sb    | 123  |                   |                    |                  |                 |                  |
| [ Ba    | 135  |                   |                    |                  |                 |                  |
| [ Ba    | 137  |                   |                    |                  |                 |                  |
| [ Tb    | 159  |                   |                    |                  |                 |                  |
| [> Ho   | 165  |                   | 99.547             |                  |                 |                  |
| [ Bi    | 209  |                   |                    |                  |                 |                  |
| [ Tl    | 205  |                   |                    |                  |                 |                  |
| [ Pb    | 208  |                   |                    |                  |                 |                  |
| [ Au    | 197  |                   |                    |                  |                 |                  |

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Report Date/Time: Thursday, December 13, 2001 17:50:10

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## Method 200.8 - Summary Report

### Sample ID: STD 2 - CCV

Sample Date/Time: Thursday, December 13, 2001 17:52:11

Sample Type: Sample

Sample Description: 120 PPB -CCV

Number of Replicates: 3

Batch ID:

Method File: d:\Elandata\Method\NEWQ200.8.mth

Dataset File: d:\Elandata\Dataset\daily performance\STD 2 - CCV .645

Sample Prep Volume (mL):

Initial Sample Quantity (mg):

Aliquot Volume (mL):

Diluted To Volume (mL):

### Concentration Results

|   | Analyte | Mass | Meas. Intens. Mean | Meas. Intens. RSD | Net Intens. Mean | Conc. Mean | Conc. RSD | Sample Unit |
|---|---------|------|--------------------|-------------------|------------------|------------|-----------|-------------|
|   | Be      | 9    | 69416.270          | 0.389             | 0.095            | 121.74035  | 1.42      | ug/L        |
| > | Sc-1    | 45   | 730018.019         | 1.573             | 730018.019       |            |           | ug/L        |
|   | Cr      | 52   | 1633293.233        | 2.462             | 2.222            | 121.46381  | 1.89      | ug/L        |
|   | Cr      | 53   | 197417.084         | 0.938             | 0.269            | 120.28075  | 0.78      | ug/L        |
|   | Mn      | 55   | 2842897.986        | 2.060             | 3.893            | 123.63396  | 1.08      | ug/L        |
|   | Ni      | 60   | 471763.029         | 2.452             | 0.644            | 119.35640  | 1.16      | ug/L        |
|   | Cu      | 63   | 1059146.355        | 1.756             | 1.446            | 120.72781  | 1.46      | ug/L        |
|   | Cu      | 65   | 514548.342         | 0.700             | 0.703            | 119.10564  | 2.30      | ug/L        |
|   | Zn      | 66   | 322702.614         | 0.095             | 2.219            | 118.88197  | 0.95      | ug/L        |
|   | Zn      | 67   | 57440.156          | 0.663             | 0.395            | 120.04875  | 0.47      | ug/L        |
|   | Zn      | 68   | 239845.148         | 1.002             | 1.650            | 120.63173  | 1.62      | ug/L        |
| > | Ge      | 72   | 144352.794         | 0.880             | 144352.794       |            |           | ug/L        |
|   | As      | 75   | 360172.127         | 0.992             | 2.494            | 120.65667  | 0.93      | ug/L        |
|   | Se      | 77   | 30618.426          | 2.155             | 0.211            | 118.09274  | 1.61      | ug/L        |
|   | Se      | 82   | 41109.482          | 1.342             | 0.283            | 117.46472  | 1.50      | ug/L        |
|   | Y       | 89   | 1786595.607        | 1.888             | 0.021            |            |           | ug/L        |
|   | Ag      | 107  | 1928232.660        | 0.292             | 0.928            | 117.04056  | 7.84      | ug/L        |
| > | In      | 115  | 2086582.947        | 8.478             | 2086582.947      |            |           | ug/L        |
|   | Sb      | 121  | 1563694.882        | 0.162             | 0.752            | 123.55773  | 8.11      | ug/L        |
|   | Sb      | 123  | 1238257.232        | 0.730             | 0.596            | 125.94223  | 7.81      | ug/L        |
|   | Ba      | 135  | 491701.306         | 0.150             | 0.157            | 113.15596  | 1.01      | ug/L        |
|   | Ba      | 137  | 842381.744         | 1.391             | 0.268            | 113.35645  | 2.15      | ug/L        |
|   | Tb      | 159  | 3132339.187        | 0.089             | -0.003           |            |           | ug/L        |
| > | Ho      | 165  | 3134330.716        | 0.940             | 3134330.716      |            |           | ug/L        |
|   | Bi      | 209  | 1880098.859        | 0.790             | -0.037           |            |           | ug/L        |
|   | Tl      | 205  | 5778639.597        | 1.075             | 1.844            | 118.80952  | 1.97      | ug/L        |
|   | Pb      | 208  | 7248358.784        | 1.154             | 2.310            | 116.61637  | 1.51      | ug/L        |
|   | Au      | 197  | 654263.425         | 5.107             | -0.288           |            |           | mg/L        |

Sample ID: STD 2 - CCV

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*QC Calculated Values*

| Analyte | Mass | QC Std % Recovery | Int Std % Recovery | Spike % Recovery | Dilution % Diff | Dup. Rel. % Diff |
|---------|------|-------------------|--------------------|------------------|-----------------|------------------|
| [ Be    | 9    |                   |                    |                  |                 |                  |
| > Sc-1  | 45   |                   | 96.060             |                  |                 |                  |
| [ Cr    | 52   |                   |                    |                  |                 |                  |
| [ Cr    | 53   |                   |                    |                  |                 |                  |
| [ Mn    | 55   |                   |                    |                  |                 |                  |
| [ Ni    | 60   |                   |                    |                  |                 |                  |
| [ Cu    | 63   |                   |                    |                  |                 |                  |
| [ Cu    | 65   |                   |                    |                  |                 |                  |
| [ Zn    | 66   |                   |                    |                  |                 |                  |
| [ Zn    | 67   |                   |                    |                  |                 |                  |
| [ Zn    | 68   |                   |                    |                  |                 |                  |
| > Ge    | 72   |                   | 94.782             |                  |                 |                  |
| [ As    | 75   |                   |                    |                  |                 |                  |
| [ Se    | 77   |                   |                    |                  |                 |                  |
| [ Se    | 82   |                   |                    |                  |                 |                  |
| [ Y     | 89   |                   |                    |                  |                 |                  |
| [ Ag    | 107  |                   |                    |                  |                 |                  |
| > In    | 115  |                   | 92.333             |                  |                 |                  |
| [ Sb    | 121  |                   |                    |                  |                 |                  |
| [ Sb    | 123  |                   |                    |                  |                 |                  |
| [ Ba    | 135  |                   |                    |                  |                 |                  |
| [ Ba    | 137  |                   |                    |                  |                 |                  |
| [ Tb    | 159  |                   |                    |                  |                 |                  |
| > Ho    | 165  |                   | 101.392            |                  |                 |                  |
| [ Bi    | 209  |                   |                    |                  |                 |                  |
| [ Tl    | 205  |                   |                    |                  |                 |                  |
| [ Pb    | 208  |                   |                    |                  |                 |                  |
| [ Au    | 197  |                   |                    |                  |                 |                  |

Sample ID: STD 2 - CCV

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