

114320

## Analysis Report

Sat 03-09-96 01:50:48 AM

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|        |          |          |         |         |
|--------|----------|----------|---------|---------|
| Avgc   | k139900. | k-17650. | k15010. | k22680. |
| SDev   | 24232.   | 26634.   | 4629.   | 8308.   |
| %RSD   | 17.32    | 150.9    | 30.85   | 36.63   |
| #1     | k157000. | k-36480. | k18280. | k28560. |
| #2     | k122700. | k1183.   | k11730. | k16810. |
| Errors | NOCHECK  | LC Low   | LC High | LC High |
| High   |          | 10000.   | 10000.  | 10000.  |
| Low    |          | -20.00   | -30.00  | -10.00  |

|        |          |          |         |         |         |         |         |
|--------|----------|----------|---------|---------|---------|---------|---------|
| IntStd | 1        | 2        | 3       | 4       | 5       | 6       | 7       |
| Mode   | Counts   | Time     | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem   | Y        | --       | --      | --      | --      | --      | --      |
| Wavlen | 371.030  | --       | --      | --      | --      | --      | --      |
| Avgc   | 0        | 1000     | --      | --      | --      | --      | --      |
| SDev   | .0000000 | .0000000 | --      | --      | --      | --      | --      |
| %RSD   | .0000000 | .0000000 | --      | --      | --      | --      | --      |
| #1     | 0        | 1000     | --      | --      | --      | --      | --      |
| #2     | 0        | 1000     | --      | --      | --      | --      | --      |

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## Analysis Report

QC Standard

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Method: CLPSUE

Sample Name: CCV

Operator:

Run Time: 03/09/96 01:50:54

Comment: CCV CVS1

Mode: CONC Corr. Factor: 1

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | Ba4934   | Be3130   | Ca3179   | Cd2265   | Co2286   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avge   | 99.70    | 2052.    | 1024.    | 1020.    | 50400.   | 996.3    | 1016.    |
| SDev   | .20      | 4.       | .        | 4.       | 254.     | 2.2      | 4.       |
| %RSD   | .2024    | .1858    | .0198    | .4065    | .5033    | .2231    | .3620    |
| #1     | 99.85    | 2049.    | 1024.    | 1017.    | 50220.   | 994.7    | 1014.    |
| #2     | 99.56    | 2054.    | 1024.    | 1023.    | 50580.   | 997.8    | 1019.    |
| Errors | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  |
| Value  | 100.0    | 2000.    | 1000.    | 1000.    | 50000.   | 1000.    | 1000.    |
| Range  | 10.50    | 10.50    | 10.50    | 10.50    | 10.50    | 10.50    | 10.50    |
| Elem   | Cr2677   | Cu3247   | Fe2714   | K_7664   | Hg2790   | Mn2576   | Mo2020   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avge   | 999.3    | 1001.    | 2012.    | 48560.   | 50110.   | 1002.    | 1029.    |
| SDev   | 4.4      | 2.       | 7.       | 29.      | 136.     | 3.       | 3.       |
| %RSD   | .4432    | .1948    | .3646    | .0603    | .2717    | .2919    | .2644    |
| #1     | 996.2    | 1003.    | 2007.    | 48580.   | 50020.   | 999.7    | 1027.    |
| #2     | 1002.    | 999.8    | 2017.    | 48540.   | 50210.   | 1004.    | 1031.    |
| Errors | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  |
| Value  | 1000.    | 1000.    | 2000.    | 50000.   | 50000.   | 1000.    | 1000.    |
| Range  | 10.50    | 10.50    | 10.50    | 10.50    | 10.50    | 10.50    | 10.50    |
| Elem   | Na3302   | Ni2316   | Ti1908   | V_2924   | Zn2138   | Pb2203   | Se1960   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avge   | 49750.   | 999.5    | 1058.    | 1026.    | 1029.    | 1027.    | 1052.    |
| SDev   | 4.       | 4.2      | 2.       | 3.       | 4.       | 7.       | .        |
| %RSD   | .0081    | .4237    | .2122    | .2802    | .4264    | .6965    | .0191    |
| #1     | 49740.   | 996.5    | 1057.    | 1024.    | 1026.    | 1022.    | 1052.    |
| #2     | 49750.   | 1003.    | 1060.    | 1028.    | 1032.    | 1032.    | 1052.    |
| Errors | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  |
| Value  | 50000.   | 1000.    | 1000.    | 1000.    | 1000.    | 1000.    | 1000.    |
| Range  | 10.50    | 10.50    | 10.50    | 10.50    | 10.50    | 10.50    | 10.50    |
| Elem   | Sb2068   | As1890   | 22031    | 22032    | 20681    | 20682    | 19601    |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avge   | 1032.    | 1044.    | 1029.    | 1027.    | 1025.    | 1036.    | 1048.    |
| SDev   | 2.       | .        | 5.       | 8.       | 5.       | 1.       | 12.      |
| %RSD   | .2376    | .0337    | .4937    | .7980    | .4637    | .1260    | 1.159    |
| #1     | 1030.    | 1044.    | 1025.    | 1021.    | 1021.    | 1035.    | 1040.    |
| #2     | 1034.    | 1044.    | 1033.    | 1032.    | 1028.    | 1037.    | 1057.    |
| Errors | QC Pass  | QC Pass  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  |
| Value  | 1000.    | 1000.    |          |          |          |          |          |
| Range  | 10.50    | 10.50    |          |          |          |          |          |
| Elem   | 19602    | Sn1899   | Ti3349   | Ri2230   |          |          |          |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter |          |          |          |

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QC Standard

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|      |       |       |       |       |
|------|-------|-------|-------|-------|
| Avg  | 1054. | 1026. | 997.4 | 1045. |
| SDev | 6.    | 9.    | 3.8   | 1.    |
| %RSD | .6039 | .8549 | .3859 | .0885 |

|    |       |       |       |       |
|----|-------|-------|-------|-------|
| #1 | 1058. | 1019. | 1000. | 1044. |
| #2 | 1049. | 1032. | 994.7 | 1046. |

|        |         |         |         |         |
|--------|---------|---------|---------|---------|
| Errors | NOCHECK | QC Pass | QC Pass | QC Pass |
| Value  |         | 1000.   | 1000.   | 1000.   |
| Range  |         | 10.50   | 10.50   | 10.50   |

| IntStd. | 1        | 2        | 3       | 4       | 5       | 6       | 7       |
|---------|----------|----------|---------|---------|---------|---------|---------|
| Mode    | Counts   | Time     | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem    | Y        | --       | --      | --      | --      | --      | --      |
| Wavlen  | 371.030  | --       | --      | --      | --      | --      | --      |
| Avg     | 845      | 1000     | --      | --      | --      | --      | --      |
| SDev    | .9899668 | .0000000 | --      | --      | --      | --      | --      |
| %RSD    | .1171916 | .0000000 | --      | --      | --      | --      | --      |
| #1      | 845      | 1000     | --      | --      | --      | --      | --      |
| #2      | 844      | 1000     | --      | --      | --      | --      | --      |

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Method: CLPSUE      Sample Name: CCB      Operator:  
 Run Time: 03/09/96 01:56:20  
 Comment: CCB  
 Mode: CONC      Corr. Factor: 1

| Elem  | Ag3280   | Al3082   | Ba4934   | Be3130   | Ca3179   | Cd2265   | Co2286   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc  | -.0416   | -3.486   | .4815    | .2476    | -30.01   | .6360    | .8074    |
| SDev  | .1092    | 2.296    | .1061    | .1383    | 5.63     | .0452    | .3535    |
| %RSD  | 262.5    | 65.85    | 22.03    | 55.87    | 18.77    | 7.114    | 43.79    |

|    |        |        |       |       |        |       |       |
|----|--------|--------|-------|-------|--------|-------|-------|
| #1 | .0356  | -5.109 | .4065 | .1498 | -33.99 | .6680 | .5574 |
| #2 | -.1188 | -1.863 | .5565 | .3454 | -26.02 | .6040 | 1.057 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass |
| Value  | .0000   | .0000   | .0000   | .0000   | .0000   | .0000   | .0000   |
| Range  | 10.00   | 200.0   | 200.0   | 5.000   | 500.0   | 5.000   | 50.00   |

| Elem  | Cr2677   | Cu3247   | Fe2714   | K_7664   | Mg2790   | Mn2576   | Mo2020   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc  | .1225    | .6464    | 3.972    | 3.787    | 22.42    | .4080    | .1707    |
| SDev  | .0828    | .3150    | 5.736    | .232     | 7.99     | .1395    | .7224    |
| %RSD  | 67.59    | 48.73    | 144.4    | 2.645    | 35.65    | 31.99    | 423.1    |

|    |       |       |        |       |       |       |        |
|----|-------|-------|--------|-------|-------|-------|--------|
| #1 | .0839 | .4237 | -.0839 | 6.952 | 16.77 | .3157 | .6816  |
| #2 | .1610 | .3691 | 6.028  | 6.623 | 28.07 | .5003 | -.3401 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | NOCHECK |
| Value  | .0000   | .0000   | .0000   | .0000   | .0000   | .0000   |         |
| Range  | 10.00   | 25.00   | 100.0   | 5000.   | 5000.   | 15.00   |         |

| Elem  | Na3302   | Ni2316   | Tl1908   | V_2924   | Zn2138   | Pb2203   | Se1960   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc  | -149.7   | .2212    | 1.048    | .2583    | -2.454   | .3180    | 1.107    |
| SDev  | 120.1    | .0898    | .704     | .1740    | .248     | .9080    | .914     |
| %RSD  | 60.26    | 40.62    | 67.21    | 67.36    | 10.09    | 111.0    | 82.61    |

|    |        |       |       |       |        |       |       |
|----|--------|-------|-------|-------|--------|-------|-------|
| #1 | -64.72 | .2847 | .5498 | .1353 | -2.629 | .1760 | .4603 |
| #2 | -234.6 | .1577 | 1.546 | .3813 | -2.279 | 1.460 | 1.753 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass |
| Value  | .0000   | .0000   | .0000   | .0000   | .0000   | .0000   | .0000   |
| Range  | 5000.   | 40.00   | 10.00   | 50.00   | 20.00   | 3.000   | 5.000   |

| Elem  | Sb2068   | As1890   | 22031    | 22032    | 20681    | 20682    | 19601    |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc  | .8395    | .5735    | -1.338   | 1.880    | 3.501    | -.5033   | .7703    |
| SDev  | .6715    | 1.601    | .808     | 1.765    | .464     | 1.2386   | .9047    |
| %RSD  | 80.00    | 279.2    | 60.40    | 93.84    | 13.26    | 246.1    | 117.4    |

|    |       |        |        |       |       |        |       |
|----|-------|--------|--------|-------|-------|--------|-------|
| #1 | 1.314 | -.5588 | -.7665 | .6327 | 3.173 | .3726  | 1.410 |
| #2 | .3646 | 1.706  | -1.909 | 3.128 | 3.830 | -1.379 | .1306 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | QC Pass | QC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| Value  | .0000   | .0000   |         |         |         |         |         |
| Range  | 60.00   | 10.00   |         |         |         |         |         |

| Elem  | 19602    | Sn1899   | Ti3349   | Bi2230   |
|-------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter |

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QC Standard

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|        |         |         |         |         |
|--------|---------|---------|---------|---------|
| Avge   | 1.261   | 1.639   | -4.993  | -.1160  |
| SDev   | 1.823   | 1.734   | 1.159   | .5969   |
| %RSD   | 144.5   | 105.8   | 23.22   | 514.6   |
| #1     | -.0277  | .4133   | -4.173  | .3061   |
| #2     | 2.550   | 2.865   | -5.813  | -.5381  |
| Errors | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| Value  |         |         |         |         |
| Range  |         |         |         |         |

|        |          |          |         |         |         |         |         |
|--------|----------|----------|---------|---------|---------|---------|---------|
| IntStd | 1        | 2        | 3       | 4       | 5       | 6       | 7       |
| Mode   | Counts   | Time     | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem   | Y        | --       | --      | --      | --      | --      | --      |
| Wavlen | 371.030  | --       | --      | --      | --      | --      | --      |
| Avge   | 868      | 1000     | --      | --      | --      | --      | --      |
| SDev   | .5657200 | .0000000 | --      | --      | --      | --      | --      |
| %RSD   | .0651669 | .0000000 | --      | --      | --      | --      | --      |
| #1     | 867      | 1000     | --      | --      | --      | --      | --      |
| #2     | 868      | 1000     | --      | --      | --      | --      | --      |

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## Analysis Report

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Method: CLPSUE Sample Name: 788063 #39 Operator:  
 Run Time: 03/09/96 02:01:45  
 Comment: SDG:1 Client.ID:C#-KEYW 1:1  
 Mode: CONC Corr. Factor: 1

| Elem  | Ag3280   | Al3082    | Ba4934   | Be3130   | Ca3179   | Cd2265   | Co2286   |
|-------|----------|-----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | k-.6251  | k5941000. | H10e6    | 14220.   | C.0000   | k-3161.  | k-3313.  |
| SDev  | .0883    | 10329.    | 1276.    | 39.      | .0000    | 523.     | 311.     |
| %RSD  | 14.12    | .1739     | .0122    | .2774    | .0000    | 16.54    | 9.380    |

|    |         |           |       |        |        |         |         |
|----|---------|-----------|-------|--------|--------|---------|---------|
| #1 | k-.5627 | k5934000. | H10e6 | 14190. | C.0000 | k-3531. | k-3094. |
| #2 | k-.6875 | k5948000. | H10e6 | 14250. | C.0000 | k-2792. | k-3533. |

| Errors | LC Pass | LC High | LC High | LC Pass | LC Pass | LC Low | LC Low |
|--------|---------|---------|---------|---------|---------|--------|--------|
| High   | 2500.   | 600000. | 25000.  | 25000.  | 600000. | 25000. | 25000. |
| Low    | -10.00  | -200.0  | -200.0  | -5.000  | -5000.  | -5.000 | -50.00 |

| Elem  | Cr2677   | Cu3247   | Fe2714   | K_7664   | Mg2790   | Mn2576   | Mo2020   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | H204100. | k.6466   | k195000. | H80e6    | k452300. | k3722.   | k19220.  |
| SDev  | 272.     | .8148    | 14017.   | 114014.  | 9478.    | 172.     | 2987.    |
| %RSD  | .1334    | 126.0    | 7.186    | .1420    | 2.095    | 4.612    | 15.54    |

|    |          |        |          |       |          |        |         |
|----|----------|--------|----------|-------|----------|--------|---------|
| #1 | H204300. | k1.223 | k204900. | H80e6 | k459000. | k3501. | k21330. |
| #2 | H203900. | k.0704 | k165100. | H80e6 | k445600. | k3843. | k17110. |

| Errors | LC High | LC Pass | LC Pass | LC High | LC Pass | LC Pass | LC Pass |
|--------|---------|---------|---------|---------|---------|---------|---------|
| High   | 25000.  | 25000.  | 500000. | 450000. | 500000. | 25000.  | 25000.  |
| Low    | -10.00  | -25.00  | -100.0  | -5000.  | -5000.  | -15.00  | -3.000  |

| Elem  | Na8802   | Ni2616   | Ti1908   | V_2924   | Zn2138   | Pb2203   | Sr1960   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | k18e6    | k8339.   | k-47910. | k1743.   | C.0000   | k30920.  | k20220.  |
| SDev  | 4058.    | 1483.    | 7271.    | 3.       | .0000    | 7087.    | 24241.   |
| %RSD  | .2255    | 17.14    | 15.18    | .1464    | .0000    | 22.92    | 119.9    |

|    |       |        |          |        |        |         |         |
|----|-------|--------|----------|--------|--------|---------|---------|
| #1 | k18e6 | k7381. | k-53050. | k1744. | C.0000 | k35930. | k37370. |
| #2 | k18e6 | k9416. | k-42770. | k1741. | C.0000 | k25910. | k3084.  |

| Errors | LC High | LC Pass | LC Low | LC Pass | LC Pass | LC High | LC Pass |
|--------|---------|---------|--------|---------|---------|---------|---------|
| High   | 600000. | 25000.  | 25000. | 25000.  | 25000.  | 25000.  | 25000.  |
| Low    | -5000.  | -40.00  | -10.00 | -50.00  | -20.00  | -3.000  | -5.000  |

| Elem  | Sb2068   | As1890   | 22031    | 22032    | 20681    | 20682    | 19601    |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | k4385.   | k-13500. | k61010.  | k15810.  | k-4215.  | k8588.   | k-70510. |
| SDev  | 8968.    | 3436.    | 9705.    | 5780.    | 7211.    | 9845.    | 29009.   |
| %RSD  | 204.5    | 25.46    | 15.91    | 36.55    | 171.1    | 114.6    | 41.14    |

|    |         |          |         |         |         |         |          |
|----|---------|----------|---------|---------|---------|---------|----------|
| #1 | k10730. | k-11070. | k67870. | k19900. | k883.9  | k15550. | k-50000. |
| #2 | k-1957. | k-15930. | k54140. | k11730. | k-9314. | k1627.  | k-91030. |

| Errors | LC Pass | LC Low | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
|--------|---------|--------|---------|---------|---------|---------|---------|
| High   | 10000.  | 25000. |         |         |         |         |         |
| Low    | -60.00  | -10.00 |         |         |         |         |         |

| Elem  | 19602    | Sn1899   | Ti3349   | Ri2230   |
|-------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter |

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|      |         |         |         |        |
|------|---------|---------|---------|--------|
| Avg  | k65440. | k17220. | k25480. | k2929. |
| SD   | 21861.  | 10565.  | 19669.  | 8151.  |
| SRSD | 33.41   | 61.35   | 77.18   | 278.3  |

|    |         |         |         |         |
|----|---------|---------|---------|---------|
| #1 | k80890. | k24690. | k39390. | k-2835. |
| #2 | k49980. | k9749.  | k11580. | k8692.  |

|        |         |         |         |         |
|--------|---------|---------|---------|---------|
| Errors | NOCHECK | LC High | LC High | LC Pass |
| High   |         | 10000.  | 10000.  | 10000.  |
| Low    |         | -20.00  | -30.00  | -10.00  |

|        |          |          |         |         |         |         |         |
|--------|----------|----------|---------|---------|---------|---------|---------|
| IntStd | 1        | 2        | 3       | 4       | 5       | 6       | 7       |
| Mode   | Counts   | Time     | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem   | Y        | --       | --      | --      | --      | --      | --      |
| Wavlen | 371.030  | --       | --      | --      | --      | --      | --      |
| Avg    | 0        | 1000     | --      | --      | --      | --      | --      |
| SD     | .0000000 | .0000000 | --      | --      | --      | --      | --      |
| SRSD   | .0000000 | .0000000 | --      | --      | --      | --      | --      |
| #1     | 0        | 1000     | --      | --      | --      | --      | --      |
| #2     | 0        | 1000     | --      | --      | --      | --      | --      |

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## Analysis Report

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Method: CLPSUF Sample Name: 785777 #40 Operator:  
 Run Time: 03/09/96 02:07:09  
 Comment: SDG:921 Client ID: CME550 1:1  
 Mode: CONC Corr. Factor: 1

| Elem  | Ag3280   | Al3082   | Ba4934   | Be3130   | Ca3179   | Cd2265   | Co2286   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc  | .2309    | 277.2    | 21.15    | .0139    | 37490.   | .0590    | 15.91    |
| SDev  | .3108    | 5.4      | .08      | .0774    | 188.     | .1664    | .14      |
| %RSD  | 134.6    | 1.949    | .3869    | 555.3    | .5013    | 282.0    | .9110    |

|    |       |       |       |        |        |        |       |
|----|-------|-------|-------|--------|--------|--------|-------|
| #1 | .0111 | 281.0 | 21.21 | .0687  | 37360. | .1767  | 15.80 |
| #2 | .4507 | 273.4 | 21.09 | -.0408 | 37620. | -.0587 | 16.01 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High   | 2500.   | 600000. | 25000.  | 25000.  | 600000. | 25000.  | 25000.  |
| Low    | -10.00  | -200.0  | -200.0  | -5.000  | -5000.  | -5.000  | -50.00  |

| Elem  | Cr2677   | Cu3247   | Fe2714   | K_7664   | Mg2790   | Mn2576   | Mo2020   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc  | 3.409    | 7.029    | 888.4    | 988.8    | 9906.    | 9.944    | .9843    |
| SDev  | .127     | .255     | 12.9     | 2.8      | 27.      | .048     | .0693    |
| %RSD  | 3.720    | 3.627    | 1.453    | .2805    | .2677    | .4778    | 7.041    |

|    |       |       |       |       |       |       |       |
|----|-------|-------|-------|-------|-------|-------|-------|
| #1 | 3.319 | 7.209 | 879.3 | 988.8 | 9897. | 9.910 | .9353 |
| #2 | 3.499 | 6.649 | 897.5 | 984.8 | 9925. | 9.977 | 1.033 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High   | 25000.  | 25000.  | 300000. | 430000. | 500000. | 25000.  | 25000.  |
| Low    | -10.00  | -25.00  | -100.0  | -5000.  | -5000.  | -15.00  | -3.000  |

| Elem  | Na3302   | Ni2316   | Tl1908   | V_2924   | Zn2139   | Pb2203   | Ce1960   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc  | 5082.    | 1.005    | .2229    | .2301    | 66.51    | 7.699    | 2.461    |
| SDev  | .21      | .000     | 1.254    | .0926    | .13      | .372     | .228     |
| %RSD  | .4064    | .0393    | 472.3    | 40.23    | .1990    | 12.62    | 9.248    |

|    |       |       |        |       |       |       |       |
|----|-------|-------|--------|-------|-------|-------|-------|
| #1 | 5067. | 1.005 | -.5222 | .2956 | 66.41 | 8.386 | 2.622 |
| #2 | 5096. | 1.005 | .9679  | .1647 | 66.60 | 7.012 | 2.300 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High   | 600000. | 25000.  | 25000.  | 25000.  | 25000.  | 25000.  | 25000.  |
| Low    | -5000.  | -40.00  | -10.00  | -50.00  | -20.00  | -3.000  | -5.000  |

| Elem  | Sb2068   | As1890   | Zr2031   | Zr2032   | Zn20681  | Zn20682  | Zn19601  |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc  | -.6253   | 1.579    | 7.603    | 7.729    | -.6766   | -.7039   | 2.782    |
| SDev  | .6522    | .874     | .381     | 1.266    | .7652    | 1.3599   | .399     |
| %RSD  | 95.18    | 55.40    | 5.014    | 16.38    | 113.1    | 193.2    | 14.33    |

|    |        |       |       |       |        |        |       |
|----|--------|-------|-------|-------|--------|--------|-------|
| #1 | -.2241 | 2.197 | 7.873 | 8.624 | -1.218 | .2577  | 3.064 |
| #2 | -1.146 | .9602 | 7.334 | 6.833 | -.1355 | -1.665 | 2.500 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| High   | 10000.  | 25000.  |         |         |         |         |         |
| Low    | -60.00  | -10.00  |         |         |         |         |         |

| Elem  | 19602    | Sn1899   | Ti3349   | Bi2230   |
|-------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter |

AR318881



## Analysis Report

Sat 03-09-96 02:12:28 AM

page 1

Method: CLPSUE Sample Name: 785777 #40 Operator:  
 Run Time: 03/09/96 02:07:09  
 Comment: SDG:921 Client ID: CME550 1:1  
 Mode: CONC Corr. Factor: 1

| Elem  | Ag3280   | Al3082   | Ba4934   | Be3130   | Ca3179   | Cd2265   | Co2286   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | .2309    | 277.2    | 21.15    | .0139    | 37490.   | .0590    | 15.91    |
| SDev  | .3108    | 5.4      | .08      | .0774    | 188.     | .1664    | .14      |
| %RSD  | 134.6    | 1.949    | .3869    | 555.3    | .5013    | 282.0    | .9110    |

|    |       |       |       |        |        |        |       |
|----|-------|-------|-------|--------|--------|--------|-------|
| #1 | .0111 | 281.0 | 21.21 | .0687  | 37360. | .1767  | 15.80 |
| #2 | .4507 | 273.4 | 21.09 | -.0408 | 37620. | -.0587 | 16.01 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High   | 2500.   | 600000. | 25000.  | 25000.  | 600000. | 25000.  | 25000.  |
| Low    | -10.00  | -200.0  | -200.0  | -5.000  | -5000.  | -5.000  | -50.00  |

| Elem  | Cr2677   | Cu3247   | Fe2714   | K_7664   | Mg2790   | Mn2576   | Mo2020   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | 3.409    | 7.029    | 886.4    | 986.8    | 9906.    | 9.944    | .9843    |
| SDev  | .127     | .255     | 12.9     | 2.8      | 27.      | .048     | .0693    |
| %RSD  | 3.720    | 3.627    | 1.453    | .2805    | .2677    | .4778    | 7.041    |

|    |       |       |       |       |       |       |       |
|----|-------|-------|-------|-------|-------|-------|-------|
| #1 | 3.319 | 7.209 | 879.3 | 986.8 | 9887. | 9.910 | .9353 |
| #2 | 3.499 | 6.849 | 897.5 | 984.8 | 9925. | 9.977 | 1.033 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High   | 25000.  | 25000.  | 300000. | 450000. | 500000. | 25000.  | 25000.  |
| Low    | -10.00  | -25.00  | -100.0  | -5000.  | -5000.  | -15.00  | -3.000  |

| Elem  | Na3202   | Ni2316   | Tl1908   | V_2924   | Zn2138   | Pb2203   | Se1960   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | 5022.    | 1.005    | .2229    | .2301    | 66.51    | 7.699    | 2.461    |
| SDev  | 21.      | .000     | 1.354    | .0926    | .13      | .972     | .228     |
| %RSD  | .4064    | .0393    | 472.8    | 40.23    | .1990    | 12.62    | 9.248    |

|    |       |       |        |       |       |       |       |
|----|-------|-------|--------|-------|-------|-------|-------|
| #1 | 5067. | 1.005 | -.5222 | .2956 | 66.41 | 8.386 | 2.622 |
| #2 | 5096. | 1.005 | .9679  | .1647 | 66.60 | 7.012 | 2.300 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High   | 600000. | 25000.  | 25000.  | 25000.  | 25000.  | 25000.  | 25000.  |
| Low    | -5000.  | -40.00  | -10.00  | -50.00  | -20.00  | -3.000  | -5.000  |

| Elem  | Sb2068   | As1890   | Zn2031   | Zn2032   | Zn20681  | Zn20682  | Se19601  |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | -.6853   | 1.579    | 7.603    | 7.729    | -.6766   | -.7039   | 2.782    |
| SDev  | .6522    | .874     | .381     | 1.266    | .7652    | 1.3599   | .399     |
| %RSD  | 95.18    | 55.40    | 5.014    | 16.38    | 113.1    | 193.2    | 14.33    |

|    |        |       |       |       |        |        |       |
|----|--------|-------|-------|-------|--------|--------|-------|
| #1 | -.2241 | 2.197 | 7.873 | 8.624 | -1.218 | .2577  | 3.064 |
| #2 | -1.146 | .9602 | 7.334 | 6.833 | -.1355 | -1.665 | 2.500 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| High   | 10000.  | 25000.  |         |         |         |         |         |
| Low    | -60.00  | -10.00  |         |         |         |         |         |

| Elem  | 19602    | Sn1899   | Ti3349   | Bi2230   |
|-------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter |

AR31881A

## Analysis Report

Sat 03-09-96 02:17:52 AM

page 1

Method: CLPSUE Sample Name: 785780  
 Run Time: 03/09/96 02:12:34  
 Comment: SDG:921 ClientID:CME550D  
 Mode: CONC Corr. Factor: 1

#41 Operator:

1:1

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | Ba4934   | Be3130   | Ca3179   | Cd2265   | Co2286   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc   | .0349    | 178.2    | 20.69    | -.1262   | 36800.   | -.0065   | 15.71    |
| SDev   | .1344    | 2.0      | .06      | .0176    | 5.       | .0215    | .59      |
| %RSD   | 384.8    | 1.110    | .2744    | 13.95    | .0145    | 330.8    | 3.729    |
| #1     | -.0601   | 176.8    | 20.65    | -.1386   | 36800.   | .0087    | 15.29    |
| #2     | .1300    | 179.6    | 20.73    | -.1137   | 36790.   | -.0217   | 16.12    |
| Errors | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  |
| High   | 2500.    | 600000.  | 25000.   | 25000.   | 600000.  | 25000.   | 25000.   |
| Low    | -10.00   | -200.0   | -200.0   | -5.000   | -5000.   | -5.000   | -50.00   |
| Elem   | Cr2677   | Cu3247   | Fe2714   | K_7664   | Mg2790   | Mn2576   | Mo2020   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc   | 3.410    | 7.272    | 855.8    | 903.7    | 9807.    | 9.639    | 1.326    |
| SDev   | .173     | .090     | 16.5     | 5.3      | 5.       | .015     | .036     |
| %RSD   | 5.075    | 1.239    | 1.925    | .5867    | .0460    | .1572    | 2.746    |
| #1     | 3.532    | 7.209    | 844.2    | 899.9    | 9811.    | 9.628    | 1.303    |
| #2     | 3.287    | 7.336    | 867.5    | 907.4    | 9804.    | 9.649    | 1.354    |
| Errors | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  |
| High   | 25000.   | 25000.   | 300000.  | 450000.  | 600000.  | 25000.   | 25000.   |
| Low    | -10.00   | -25.00   | -100.0   | -5000.   | -5000.   | -15.00   | -3.000   |
| Elem   | Ni3302   | Ni2316   | Pb1108   | V_2924   | Zn2138   | Pb2203   | Se1960   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc   | 4602.    | 1.302    | -.6763   | .2359    | 64.01    | 7.957    | 3.003    |
| SDev   | 43.      | .266     | 1.2801   | .2672    | .03      | .004     | .015     |
| %RSD   | .9340    | 20.59    | 189.3    | 113.3    | .0501    | .0555    | .4913    |
| #1     | 4572.    | 1.113    | .2288    | .0470    | 63.98    | 7.954    | 2.993    |
| #2     | 4632.    | 1.492    | -1.581   | .4248    | 64.03    | 7.960    | 3.014    |
| Errors | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  |
| High   | 600000.  | 25000.   | 25000.   | 25000.   | 25000.   | 25000.   | 25000.   |
| Low    | -5000.   | -40.00   | -10.00   | -50.00   | -20.00   | -3.000   | -5.000   |
| Elem   | Sb2068   | As1890   | 22031    | 22032    | 20681    | 20682    | 19601    |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc   | -.9595   | -1.367   | 6.542    | 8.646    | 1.276    | -2.090   | 2.388    |
| SDev   | 1.0939   | .661     | .273     | .130     | .912     | 1.185    | 1.896    |
| %RSD   | 114.0    | 48.36    | 4.179    | 1.502    | 71.45    | 56.71    | 79.41    |
| #1     | -.1861   | -.8994   | 6.349    | 8.738    | 1.920    | -1.252   | 3.729    |
| #2     | -1.733   | -1.834   | 6.735    | 8.554    | .6312    | -2.927   | 1.047    |
| Errors | LC Pass  | LC Pass  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  |
| High   | 10000.   | 25000.   |          |          |          |          |          |
| Low    | -60.00   | -10.00   |          |          |          |          |          |
| Elem   | 19602    | Sn1899   | Ti3349   | Bi2230   |          |          |          |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter |          |          |          |

AR318883

## Analysis Report

Sat 03-09-96 02:17:52 AM

page 1

Method: CLPSUE Sample Name: 785780  
 Run Time: 03/09/96 02:12:34  
 Comment: SDG:921 ClientID: CME550D 1:1  
 Mode: CONC Corr. Factor: 1

#41 Operator:

| Elem  | Ag3280   | Al3082   | Ba4934   | Be3130   | Ca3179   | Cd2265   | Co2286   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | .0349    | 178.2    | 20.69    | -.1262   | 36800.   | -.0065   | 15.71    |
| SDev  | .1344    | 2.0      | .06      | .0176    | 5.       | .0215    | .59      |
| SRSD  | 384.8    | 1.110    | .2744    | 13.95    | .0145    | 330.8    | 3.729    |

|    |        |       |       |        |        |        |       |
|----|--------|-------|-------|--------|--------|--------|-------|
| #1 | -.0601 | 176.8 | 20.65 | -.1386 | 36800. | .0087  | 15.29 |
| #2 | .1300  | 179.6 | 20.73 | -.1137 | 36790. | -.0217 | 16.12 |

| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
|--------|---------|---------|---------|---------|---------|---------|---------|
| High   | 2500.   | 600000. | 25000.  | 25000.  | 600000. | 25000.  | 25000.  |
| Low    | -10.00  | -200.0  | -200.0  | -5.000  | -5000.  | -5.000  | -50.00  |

| Elem  | Cr2677   | Cu3247   | Fe2714   | K_7664   | Hg2790   | Mn2576   | Mo2020   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | 3.410    | 7.272    | 855.8    | 903.7    | 9807.    | 9.639    | 1.328    |
| SDev  | .173     | .090     | 16.5     | 5.3      | 5.       | .015     | .036     |
| SRSD  | 6.075    | 1.239    | 1.323    | .3667    | .0460    | .1372    | 2.746    |

|    |       |       |       |       |       |       |       |
|----|-------|-------|-------|-------|-------|-------|-------|
| #1 | 3.532 | 7.209 | 844.2 | 899.9 | 9811. | 9.628 | 1.303 |
| #2 | 3.287 | 7.336 | 867.3 | 907.4 | 9804. | 9.649 | 1.354 |

| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
|--------|---------|---------|---------|---------|---------|---------|---------|
| High   | 25000.  | 25000.  | 300000. | 450000. | 600000. | 25000.  | 25000.  |
| Low    | -10.00  | -25.00  | -100.0  | -5000.  | -5000.  | -15.00  | -3.000  |

| Elem  | Ni3302   | Ni2316   | Ti1408   | V_2924   | Zn2138   | Pb2203   | Se1960   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | 4602.    | 1.302    | -.6763   | .2359    | 64.01    | 7.957    | 3.003    |
| SDev  | 43.      | .268     | 1.2801   | .2672    | .03      | .004     | .015     |
| SRSD  | .9340    | 20.59    | 189.3    | 113.2    | .0501    | .0555    | .4913    |

|    |       |       |        |       |       |       |       |
|----|-------|-------|--------|-------|-------|-------|-------|
| #1 | 4572. | 1.113 | .2288  | .0470 | 63.98 | 7.954 | 2.993 |
| #2 | 4632. | 1.492 | -1.581 | .4248 | 64.03 | 7.960 | 3.014 |

| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
|--------|---------|---------|---------|---------|---------|---------|---------|
| High   | 600000. | 25000.  | 25000.  | 25000.  | 25000.  | 25000.  | 25000.  |
| Low    | -5000.  | -40.00  | -10.00  | -50.00  | -20.00  | -3.000  | -5.000  |

| Elem  | Sb2068   | As1890   | 22031    | 22032    | 20681    | 20682    | 19601    |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | -.9595   | -1.367   | 6.542    | 8.646    | 1.276    | -2.090   | 2.388    |
| SDev  | 1.0939   | .661     | .273     | .130     | .912     | 1.185    | 1.896    |
| SRSD  | 114.0    | 48.36    | 4.179    | 1.502    | 71.45    | 56.71    | 79.41    |

|    |        |        |       |       |       |        |       |
|----|--------|--------|-------|-------|-------|--------|-------|
| #1 | -.1861 | -.8994 | 6.349 | 8.738 | 1.920 | -1.252 | 3.729 |
| #2 | -1.733 | -1.834 | 6.735 | 8.554 | .6312 | -2.927 | 1.047 |

| Errors | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
|--------|---------|---------|---------|---------|---------|---------|---------|
| High   | 10000.  | 25000.  |         |         |         |         |         |
| Low    | -60.00  | -10.00  |         |         |         |         |         |

| Elem  | 19602    | Sn1899   | Ti3349   | Bi2230   |
|-------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter |

AR31883A

## Analysis Report

Sat. 03-09-96 02:23:17 AM

page 1

Method: CLPSUE Sample Name: 785779  
 Run Time: 03/09/96 02:17:58  
 Comment: SDG:921 ClientID:CME550S  
 Mode: CONC Corr. Factor: 1

#42 Operator:

1:1

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | Ba4934   | Be3130   | Ca3179   | Cd2265   | Co2286   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc   | 49.86    | 2274.    | 2055.    | 49.49    | 36950.   | 49.57    | 511.1    |
| SDev   | .14      | .        | 3.       | .06      | 52.      | .02      | .2       |
| %RSD   | .2864    | .0034    | .1462    | .1259    | .1407    | .0490    | .0414    |
| #1     | 49.76    | 2274.    | 2057.    | 49.44    | 36910.   | 49.55    | 511.0    |
| #2     | 49.97    | 2274.    | 2052.    | 49.53    | 36990.   | 49.58    | 511.3    |
| Errors | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  |
| High   | 2500.    | 600000.  | 25000.   | 25000.   | 600000.  | 25000.   | 25000.   |
| Low    | -10.00   | -200.0   | -200.0   | -5.000   | -5000.   | -5.000   | -50.00   |
| Elem   | Cr2677   | Cu3247   | Fe2714   | K_7664   | Mg2790   | Mn2576   | Mo2020   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc   | 200.7    | 256.5    | 1902.    | 1016.    | 9834.    | 492.4    | .8700    |
| SDev   | .1       | .0       | 3.       | 2.       | 4.       | .1       | .9329    |
| %RSD   | .0522    | .0118    | .1600    | .1504    | .0454    | .0214    | 107.2    |
| #1     | 200.8    | 256.5    | 1900.    | 1017.    | 9830.    | 492.3    | .2104    |
| #2     | 200.7    | 256.5    | 1905.    | 1015.    | 9837.    | 492.5    | 1.530    |
| Errors | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  |
| High   | 25000.   | 25000.   | 300000.  | 430000.  | 600000.  | 25000.   | 25000.   |
| Low    | -10.00   | -25.00   | -100.0   | -5000.   | -5000.   | -15.00   | -3.000   |
| Elem   | Na3202   | Ni2316   | Tl1908   | V_2924   | Zn2138   | Pb2203   | Sr1960   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc   | 5037.    | 491.5    | 2092.    | 509.8    | 573.9    | 506.1    | 1964.    |
| SDev   | 45.      | 2.5      | 9.       | .1       | 1.3      | .9       | 5.       |
| %RSD   | .8670    | .4632    | .4323    | .0261    | .2274    | .1835    | .2334    |
| #1     | 5068.    | 489.9    | 2085.    | 509.8    | 573.0    | 505.4    | 1960.    |
| #2     | 5005.    | 493.1    | 2098.    | 509.9    | 574.9    | 506.7    | 1967.    |
| Errors | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  |
| High   | 600000.  | 25000.   | 25000.   | 25000.   | 25000.   | 25000.   | 25000.   |
| Low    | -5000.   | -40.00   | -10.00   | -50.00   | -20.00   | -3.000   | -5.000   |
| Elem   | Sb2068   | As1890   | 22031    | 22032    | 20681    | 20682    | 19601    |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc   | 500.0    | 1933.    | 505.8    | 506.2    | 495.7    | 502.2    | 1958.    |
| SDev   | 1.9      | 2.       | .2       | 1.3      | 3.1      | 1.3      | 11.      |
| %RSD   | .3797    | .1007    | .0398    | .2552    | .6214    | .2606    | .5800    |
| #1     | 498.7    | 1934.    | 505.7    | 505.3    | 493.5    | 501.3    | 1950.    |
| #2     | 501.4    | 1932.    | 506.0    | 507.1    | 497.9    | 503.1    | 1966.    |
| Errors | LC Pass  | LC Pass  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  |
| High   | 10000.   | 25000.   |          |          |          |          |          |
| Low    | -60.00   | -10.00   |          |          |          |          |          |
| Elem   | 19602    | Sr1899   | Ti3349   | Bi2230   |          |          |          |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter |          |          |          |

AR318885

## Analysis Report

Sat 03-09-96 02:23:17 AM

page 1

Method: CLPSUE Sample Name: 785779  
 Run Time: 03/09/96 02:17:58  
 Comment: SDG:921 ClientID:CME550S  
 Mode: CONC Corr. Factor: 1

#42 Operator:

1:1

| Elem  | Ag3280   | Al3082   | Ba4934   | Be3130   | Ca3179   | Cd2265   | Co2286   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | 49.86    | 2274.    | 2055.    | 49.49    | 36950.   | 49.57    | 511.1    |
| SDev  | .14      |          | 3.       | .06      | 52.      | .02      | .2       |
| %RSD  | .2864    | .0034    | .1462    | .1259    | .1407    | .0490    | .0414    |

|    |       |       |       |       |        |       |       |
|----|-------|-------|-------|-------|--------|-------|-------|
| #1 | 49.76 | 2274. | 2057. | 49.44 | 36910. | 49.55 | 511.0 |
| #2 | 49.97 | 2274. | 2052. | 49.53 | 36990. | 49.58 | 511.3 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High   | 2500.   | 600000. | 25000.  | 25000.  | 600000. | 25000.  | 25000.  |
| Low    | -10.00  | -200.0  | -200.0  | -5.000  | -5000.  | -5.000  | -50.00  |

| Elem  | Cr2677   | Cu3247   | Fe2714   | K_7664   | Mg2790   | Mn2576   | Mo2020   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | 200.7    | 256.5    | 1902.    | 1016.    | 9834.    | 492.4    | .8700    |
| SDev  | .1       | .0       | 3.       | 2.       | 4.       | .1       | .9329    |
| %RSD  | .0522    | .0118    | .1600    | .1504    | .0454    | .0214    | 107.2    |

|    |       |       |       |       |       |       |       |
|----|-------|-------|-------|-------|-------|-------|-------|
| #1 | 200.8 | 256.5 | 1900. | 1017. | 9830. | 492.3 | .2104 |
| #2 | 200.7 | 256.5 | 1905. | 1015. | 9837. | 492.5 | 1.530 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High   | 25000.  | 25000.  | 300000. | 450000. | 600000. | 25000.  | 25000.  |
| Low    | -10.00  | -25.00  | -100.0  | -5000.  | -5000.  | -15.00  | -3.000  |

| Elem  | Ns5202   | Ni2316   | Ti1908   | V_2924   | Zn2138   | Pb2203   | Se1960   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | 5037.    | 491.5    | 2092.    | 509.8    | 573.9    | 506.1    | 1964.    |
| SDev  | 45.      | 2.3      | 3.       | .1       | 1.3      | .9       | 5.       |
| %RSD  | .8870    | .4682    | .4323    | .0261    | .2274    | .1835    | .2334    |

|    |       |       |       |       |       |       |       |
|----|-------|-------|-------|-------|-------|-------|-------|
| #1 | 5068. | 489.9 | 2085. | 509.8 | 573.0 | 505.4 | 1960. |
| #2 | 5005. | 493.1 | 2098. | 509.9 | 574.9 | 506.7 | 1967. |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High   | 600000. | 25000.  | 25000.  | 25000.  | 25000.  | 25000.  | 25000.  |
| Low    | -5000.  | -40.00  | -10.00  | -50.00  | -20.00  | -3.000  | -5.000  |

| Elem  | Sb2068   | As1890   | 22031    | 22032    | 20681    | 20682    | 19601    |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | 500.0    | 1933.    | 505.8    | 506.2    | 495.7    | 502.2    | 1958.    |
| SDev  | 1.9      | 2.       | .2       | 1.3      | 3.1      | 1.3      | 11.      |
| %RSD  | .3797    | .1007    | .0398    | .2552    | .6214    | .2606    | .5800    |

|    |       |       |       |       |       |       |       |
|----|-------|-------|-------|-------|-------|-------|-------|
| #1 | 498.7 | 1934. | 505.7 | 505.3 | 493.5 | 501.3 | 1950. |
| #2 | 501.4 | 1932. | 506.0 | 507.1 | 497.9 | 503.1 | 1966. |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| High   | 10000.  | 25000.  |         |         |         |         |         |
| Low    | -60.00  | -10.00  |         |         |         |         |         |

| Elem  | 19602    | Sn1899   | Ti3349   | Bi2230   |
|-------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter |

AR318885A

## Analysis Report

Sat 03-09-96 02:28:41 AM

page 1

Method: CLPSUE Sample Name: SDI785777 #43 Operator:  
 Run Time: 03/09/96 02:23:22  
 Comment: SDG:921 ClientID: CME550L 1:5  
 Mode: CONC Corr. Factor: 1

| Elem  | Ag3280   | Al3082   | Ba4934   | Be3130   | Ca3179   | Cd2265   | Co2286   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc  | -.1962   | 174.6    | 5.041    | -.0876   | 7351.    | -.0234   | 3.275    |
| SDev  | .3108    | 3.8      | .023     | .0586    | 33.      | .0646    | .128     |
| %RSD  | 158.4    | 2.178    | .4657    | 66.89    | .4555    | 276.4    | 3.910    |

|    |        |       |       |        |       |        |       |
|----|--------|-------|-------|--------|-------|--------|-------|
| #1 | -.4160 | 177.3 | 5.024 | -.0462 | 7327. | .0223  | 3.366 |
| #2 | .0235  | 171.9 | 5.057 | -.1290 | 7374. | -.0691 | 3.185 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High   | 2500.   | 600000. | 25000.  | 25000.  | 600000. | 25000.  | 25000.  |
| Low    | -10.00  | -200.0  | -200.0  | -5.000  | -5000.  | -5.000  | -50.00  |

| Elem  | Cr2677   | Cu3247   | Fe2714   | K_7664   | Mg2790   | Mn2576   | Mo2020   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc  | 1.698    | 1.855    | 274.0    | 252.0    | 1966.    | 3.106    | .4122    |
| SDev  | .088     | .255     | 6.1      | .5       | 5.       | .057     | .2289    |
| %RSD  | 5.167    | 13.74    | 2.242    | .2171    | .2612    | 1.824    | 55.77    |

|    |       |       |       |       |       |       |       |
|----|-------|-------|-------|-------|-------|-------|-------|
| #1 | 1.636 | 1.675 | 269.7 | 252.4 | 1963. | 3.066 | .2497 |
| #2 | 1.760 | 2.035 | 278.4 | 251.6 | 1970. | 3.146 | .5747 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High   | 25000.  | 25000.  | 300000. | 450000. | 600000. | 25000.  | 25000.  |
| Low    | -10.00  | -25.00  | -100.0  | -5000.  | -5000.  | -15.00  | -3.000  |

| Elem  | Na3302   | Ni2316   | Tl1906   | V_2924   | Zn2138   | Pb2203   | Se1960   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc  | 1719.    | .5430    | -.3465   | .2284    | 10.09    | 1.331    | 2.097    |
| SDev  | 120.     | .0899    | .0885    | .3650    | .07      | .497     | .493     |
| %RSD  | 6.989    | 16.55    | 25.54    | 159.6    | .6966    | 37.33    | 23.51    |

|    |       |       |        |        |       |       |       |
|----|-------|-------|--------|--------|-------|-------|-------|
| #1 | 1634. | .6066 | -.4091 | -.0297 | 10.04 | .9794 | 1.748 |
| #2 | 1804. | .4795 | -.2839 | .4865  | 10.14 | 1.682 | 2.445 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High   | 600000. | 25000.  | 25000.  | 25000.  | 25000.  | 25000.  | 25000.  |
| Low    | -5000.  | -40.00  | -10.00  | -50.00  | -20.00  | -3.000  | -5.000  |

| Elem  | Sb2068   | As1890   | 22031    | 22032    | 20681    | 20682    | 19601    |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc  | -.2972   | 2.825    | .2066    | 1.878    | 1.742    | -1.329   | 2.292    |
| SDev  | .8292    | .623     | .9390    | .276     | .186     | 1.150    | .538     |
| %RSD  | 279.0    | 22.05    | 454.4    | 14.70    | 10.71    | 86.53    | 23.49    |

|    |        |       |        |       |       |        |       |
|----|--------|-------|--------|-------|-------|--------|-------|
| #1 | -.8835 | 3.265 | -.4573 | 1.683 | 1.610 | -2.142 | 2.673 |
| #2 | .2891  | 2.384 | .8706  | 2.073 | 1.873 | -.5159 | 1.911 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| High   | 10000.  | 25000.  |         |         |         |         |         |
| Low    | -60.00  | -10.00  |         |         |         |         |         |

| Elem  | 19602    | Sn1899   | Ti3349   | Bi2230   |
|-------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter |

AR318887

## Analysis Report

Sat 03-09-96 02:28:41 AM

page 1

Method: CLPSUE Sample Name: SDI785777 #43 Operator:  
 Run Time: 03/09/96 02:23:22  
 Comment: SDG:921 ClientID: CME550L 1:5  
 Mode: CONC Corr. Factor: 1

| Elem  | Ag3280   | Al3082   | Ba4934   | Be3130   | Ca3179   | Cd2265   | Co2286   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc  | -.1962   | 174.6    | 5.041    | -.0876   | 7351.    | -.0234   | 3.275    |
| SDev  | .3108    | 3.8      | .023     | .0586    | 33.      | .0646    | .128     |
| %RSD  | 158.4    | 2.178    | .4657    | 66.89    | .4555    | 276.4    | 3.910    |

|    |        |       |       |        |       |        |       |
|----|--------|-------|-------|--------|-------|--------|-------|
| #1 | -.4160 | 177.3 | 5.024 | -.0462 | 7327. | .0223  | 3.366 |
| #2 | .0235  | 171.9 | 5.057 | -.1290 | 7374. | -.0691 | 3.185 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High   | 2500.   | 600000. | 25000.  | 25000.  | 600000. | 25000.  | 25000.  |
| Low    | -10.00  | -200.0  | -200.0  | -5.000  | -5000.  | -5.000  | -50.00  |

| Elem  | Cr2677   | Cu3247   | Fe2714   | K_7664   | Mg2790   | Mn2576   | Mo2020   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc  | 1.698    | 1.855    | 274.0    | 252.0    | 1966.    | 3.106    | .4122    |
| SDev  | .088     | .255     | 6.1      | .5       | 5.       | .057     | .2299    |
| %RSD  | 5.167    | 13.74    | 2.242    | .2171    | .2612    | 1.824    | 55.77    |

|    |       |       |       |       |       |       |       |
|----|-------|-------|-------|-------|-------|-------|-------|
| #1 | 1.636 | 1.675 | 269.7 | 252.4 | 1963. | 3.066 | .2497 |
| #2 | 1.760 | 2.035 | 278.4 | 251.6 | 1970. | 3.146 | .5747 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High   | 25000.  | 25000.  | 300000. | 450000. | 600000. | 25000.  | 25000.  |
| Low    | -10.00  | -25.00  | -100.0  | -5000.  | -5000.  | -15.00  | -3.000  |

| Elem  | Ni3302   | Ni2316   | Tl1906   | V_2924   | Zn2138   | Pb2203   | Se1960   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc  | 1719.    | .5430    | -.3465   | .2284    | 10.09    | 1.331    | 2.097    |
| SDev  | .120     | .0899    | .0885    | .3650    | .07      | .497     | .493     |
| %RSD  | 6.389    | 16.55    | 25.54    | 159.3    | .6966    | 37.33    | 23.51    |

|    |       |       |        |        |       |       |       |
|----|-------|-------|--------|--------|-------|-------|-------|
| #1 | 1634. | .6066 | -.4091 | -.0297 | 10.04 | .9794 | 1.748 |
| #2 | 1804. | .4795 | -.2839 | .4865  | 10.14 | 1.682 | 2.445 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High   | 600000. | 25000.  | 25000.  | 25000.  | 25000.  | 25000.  | 25000.  |
| Low    | -5000.  | -40.00  | -10.00  | -50.00  | -20.00  | -3.000  | -5.000  |

| Elem  | Sb2068   | As1890   | 22031    | 22032    | 20681    | 20682    | 19601    |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc  | -.2972   | 2.825    | .2066    | 1.878    | 1.742    | -1.329   | 2.292    |
| SDev  | .8292    | .623     | .9390    | .276     | .186     | 1.150    | .538     |
| %RSD  | 279.0    | 22.05    | 454.4    | 14.70    | 10.71    | 86.53    | 23.49    |

|    |        |       |        |       |       |        |       |
|----|--------|-------|--------|-------|-------|--------|-------|
| #1 | -.8835 | 3.265 | -.4573 | 1.683 | 1.610 | -2.142 | 2.673 |
| #2 | .2891  | 2.384 | .8706  | 2.073 | 1.873 | -.5159 | 1.911 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| High   | 10000.  | 25000.  |         |         |         |         |         |
| Low    | -60.00  | -10.00  |         |         |         |         |         |

| Elem  | 19602    | Sn1899   | Ti3349   | Bi2230   |
|-------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter |

AR318887A

## Analysis Report

Sat 03-09-96 02:34:06 AM

page 1

Method: CLPSUE Sample Name: 785778  
 Run Time: 03/09/96 02:28:47  
 Comment: SDG:921 ClientID:11SMW0336  
 Mode: CONC Corr. Factor: 1

#44 Operator:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | Ba4934   | Be3130   | Ca3179   | Cd2265   | Co2286   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avge   | -.1604   | 76.37    | .6374    | -.1568   | 168.5    | -.0195   | .0374    |
| SDev   | .1764    | .24      | .0080    | .0284    | 1.1      | .1300    | .1112    |
| SRSD   | 110.0    | .3141    | 1.256    | 18.13    | .6270    | 667.4    | 297.5    |
| #1     | -.2852   | 76.54    | .6430    | -.1769   | 167.7    | -.1114   | -.0413   |
| #2     | -.0357   | 76.20    | .6317    | -.1367   | 169.2    | .0724    | .1160    |
| Errors | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  |
| High   | 2500.    | 600000.  | 25000.   | 25000.   | 600000.  | 25000.   | 25000.   |
| Low    | -10.00   | -200.0   | -200.0   | -5.000   | -5000.   | -5.000   | -50.00   |
| Elem   | Cr2677   | Cu3247   | Fe2714   | K_7664   | Mg2790   | Mn2576   | Mo2020   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avge   | 3.446    | .7312    | 63.42    | 66.19    | 22.12    | .5723    | .2499    |
| SDev   | .287     | .0151    | 6.53     | 2.10     | 1.12     | .0519    | .3532    |
| SRSD   | 8.318    | 2.062    | 10.29    | 3.173    | 5.064    | 9.069    | 141.3    |
| #1     | 3.244    | .7205    | 68.04    | 67.67    | 22.91    | .5356    | .4996    |
| #2     | 3.649    | .7419    | 58.81    | 64.70    | 21.33    | .6090    | .0002    |
| Errors | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  |
| High   | 25000.   | 25000.   | 500000.  | 450000.  | 600000.  | 25000.   | 25000.   |
| Low    | -10.00   | -25.00   | -100.0   | -5000.   | -5000.   | -15.00   | -3.000   |
| Elem   | Na3302   | Ni2316   | Tl1906   | V_2924   | Zn2138   | Pb2203   | Se1960   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avge   | 471.2    | .3136    | -1.178   | -.1910   | 5.219    | .7354    | 3.717    |
| SDev   | 53.8     | 10452.   | 2.212    | 1.0910   | .095     | 1.177    | 1.603    |
| SRSD   | 11.43    | 14.40    | 187.8    | 47.67    | 1.824    | 160.0    | 43.13    |
| #1     | 433.1    | .3456    | .3862    | -.1266   | 5.152    | 1.566    | 4.851    |
| #2     | 509.3    | .2817    | -2.742   | -.2554   | 5.286    | -.0968   | 2.584    |
| Errors | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  |
| High   | 600000.  | 25000.   | 25000.   | 25000.   | 25000.   | 25000.   | 25000.   |
| Low    | -5000.   | -40.00   | -10.00   | -50.00   | -20.00   | -3.000   | -5.000   |
| Elem   | Sb2068   | As1890   | 22031    | 22032    | 20681    | 20682    | 19601    |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avge   | -.2780   | -.7742   | -.6952   | 1.436    | 1.415    | -1.137   | 1.251    |
| SDev   | .2379    | .8312    | .4273    | 1.978    | 1.082    | .897     | 1.484    |
| SRSD   | 85.57    | 107.4    | 61.47    | 137.8    | 76.43    | 78.85    | 118.5    |
| #1     | -.1098   | -1.362   | -.9973   | 2.834    | .6503    | -.5031   | 2.300    |
| #2     | -.4462   | -.1864   | -.3930   | .0373    | 2.180    | -1.771   | .2025    |
| Errors | LC Pass  | LC Pass  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  |
| High   | 10000.   | 25000.   |          |          |          |          |          |
| Low    | -60.00   | -10.00   |          |          |          |          |          |
| Elem   | 19602    | Sn1899   | Ti3349   | Bi2230   |          |          |          |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter |          |          |          |

AR318889



## Analysis Report

Sat 03-09-96 02:34:06 AM

page 1

Method: CLPSUE Sample Name: 785778  
 Run Time: 03/09/96 02:28:47  
 Comment: SDG:921 ClientID:11SMW0336 1:1  
 Mode: CONC Corr. Factor: 1

#44 Operator:

| Elem  | Ag3280   | Al3082   | Ba4934   | Be3130   | Ca3179   | Cd2265   | Co2286   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | -.1604   | 76.37    | .6374    | -.1568   | 168.5    | -.0195   | .0374    |
| SDev  | .1764    | .24      | .0080    | .0284    | 1.1      | .1300    | .1112    |
| %RSD  | 110.0    | .3141    | 1.256    | 18.13    | .6270    | 667.4    | 297.5    |

|    |        |       |       |        |       |        |        |
|----|--------|-------|-------|--------|-------|--------|--------|
| #1 | -.2852 | 76.54 | .6430 | -.1769 | 167.7 | -.1114 | -.0413 |
| #2 | -.0357 | 76.20 | .6317 | -.1367 | 169.2 | .0724  | .1160  |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High   | 2500.   | 600000. | 25000.  | 25000.  | 600000. | 25000.  | 25000.  |
| Low    | -10.00  | -200.0  | -200.0  | -5.000  | -5000.  | -5.000  | -50.00  |

| Elem  | Cr2677   | Cu3247   | Fe2714   | K_7664   | Mg2790   | Mn2576   | Mo2020   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | 3.446    | .7312    | 63.42    | 66.19    | 22.12    | .5723    | .2499    |
| SDev  | .287     | .0151    | 6.53     | 2.10     | 1.12     | .0519    | .3532    |
| %RSD  | 8.319    | 2.062    | 10.29    | 3.170    | 5.064    | 9.069    | 141.3    |

|    |       |       |       |       |       |       |       |
|----|-------|-------|-------|-------|-------|-------|-------|
| #1 | 3.244 | .7205 | 63.04 | 67.67 | 22.91 | .5356 | .4996 |
| #2 | 3.649 | .7419 | 58.81 | 64.70 | 21.33 | .6090 | .0002 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High   | 25000.  | 25000.  | 500000. | 450000. | 600000. | 25000.  | 25000.  |
| Low    | -10.00  | -25.00  | -100.0  | -5000.  | -5000.  | -15.00  | -3.000  |

| Elem  | Na3302   | Ni2316   | Tl1906   | V_2924   | Zn2136   | Pb2203   | Se1960   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | 471.2    | .3136    | -1.176   | -.1910   | 5.219    | .7354    | 3.717    |
| SDev  | 53.8     | .0452    | 2.212    | .0910    | .095     | 1.177    | 1.603    |
| %RSD  | 11.43    | 14.40    | 187.8    | 47.67    | 1.824    | 160.0    | 43.13    |

|    |       |       |        |        |       |        |       |
|----|-------|-------|--------|--------|-------|--------|-------|
| #1 | 423.1 | .3456 | .3862  | -.1266 | 5.152 | 1.566  | 4.851 |
| #2 | 509.3 | .2817 | -2.742 | -.2554 | 5.286 | -.0968 | 2.584 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High   | 600000. | 25000.  | 25000.  | 25000.  | 25000.  | 25000.  | 25000.  |
| Low    | -5000.  | -40.00  | -10.00  | -50.00  | -20.00  | -3.000  | -5.000  |

| Elem  | Sb2068   | As1890   | 22031    | 22032    | 20681    | 20682    | 19601    |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | -.2780   | -.7742   | -.6952   | 1.436    | 1.415    | -1.137   | 1.251    |
| SDev  | .2379    | .8312    | .4273    | 1.978    | 1.082    | .897     | 1.484    |
| %RSD  | 85.57    | 107.4    | 61.47    | 137.8    | 76.43    | 78.85    | 118.5    |

|    |        |        |        |       |       |        |       |
|----|--------|--------|--------|-------|-------|--------|-------|
| #1 | -.1098 | -1.362 | -.9973 | 2.834 | .6503 | -.5031 | 2.300 |
| #2 | -.4462 | -.1864 | -.3930 | .0373 | 2.180 | -1.771 | .2025 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| High   | 10000.  | 25000.  |         |         |         |         |         |
| Low    | -60.00  | -10.00  |         |         |         |         |         |

| Elem  | 19602    | Sn1899   | Ti3349   | Bi2230   |
|-------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter |

AR318889A

## Analysis Report

Sat 03-09-96 02:39:30 AM

page 1

Method: CLPSUE Sample Name: 785782 #45 Operator:  
 Run Time: 03/09/96 02:34:12  
 Comment: SDG:921 ClientID:11SMW0134 1:1  
 Mode: CONC Corr. Factor: 1

| Elem  | Ag3280   | Al3082   | Ba4934   | Be3130   | Ca3179   | Cd2265   | Co2286   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc  | -.0357   | 175.4    | .8154    | -.0747   | 433.1    | -.0831   | .2171    |
| SDev  | .3024    | .5       | .0254    | .0154    | .1       | .0085    | .2322    |
| SRSD  | 846.0    | .3024    | 3.112    | 20.56    | .0240    | 10.19    | 106.9    |

|    |        |       |       |        |       |        |       |
|----|--------|-------|-------|--------|-------|--------|-------|
| #1 | -.2496 | 175.0 | .7975 | -.0856 | 433.1 | -.0890 | .0529 |
| #2 | .1781  | 175.8 | .8334 | -.0632 | 433.0 | -.0771 | .3813 |

| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
|--------|---------|---------|---------|---------|---------|---------|---------|
| High   | 2500.   | 600000. | 25000.  | 25000.  | 600000. | 25000.  | 25000.  |
| Low    | -10.00  | -200.0  | -200.0  | -5.000  | -5000.  | -5.000  | -50.00  |

| Elem  | Cr2677   | Cu3247   | Fe2714   | K_7664   | Mg2790   | Mn2576   | Mo2020   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc  | 8.046    | 1.007    | 88.32    | 84.80    | 42.19    | 1.443    | .7229    |
| SDev  | .032     | .135     | 1.37     | 2.85     | 6.23     | .022     | .1060    |
| SRSD  | .3970    | 13.40    | 1.546    | 3.356    | 14.76    | 1.918    | 14.67    |

|    |       |       |       |       |       |       |       |
|----|-------|-------|-------|-------|-------|-------|-------|
| #1 | 8.068 | .9115 | 89.29 | 82.79 | 37.79 | 1.424 | .6479 |
| #2 | 8.023 | 1.102 | 87.36 | 85.82 | 46.60 | 1.463 | .7979 |

| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
|--------|---------|---------|---------|---------|---------|---------|---------|
| High   | 25000.  | 25000.  | 300000. | 450000. | 600000. | 25000.  | 25000.  |
| Low    | -10.00  | -25.00  | -100.0  | -5000.  | -5000.  | -15.00  | -3.000  |

| Elem  | Na3302   | Ni2316   | Ti1909   | V_2924   | Zn2138   | Pb2203   | Se1960   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc  | 713.6    | 2.577    | -3.431   | .0601    | 8.517    | -.8986   | 1.149    |
| SDev  | 41.5     | .315     | 4.241    | .0899    | .092     | .1568    | 1.749    |
| SRSD  | 5.315    | 12.24    | 123.6    | 147.4    | 1.076    | 17.44    | 152.3    |

|    |       |       |        |        |       |        |        |
|----|-------|-------|--------|--------|-------|--------|--------|
| #1 | 694.3 | 2.354 | -6.430 | -.0034 | 8.582 | -1.009 | 2.385  |
| #2 | 743.0 | 2.800 | -.4328 | .1237  | 8.452 | -.7878 | -.0882 |

| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
|--------|---------|---------|---------|---------|---------|---------|---------|
| High   | 600000. | 25000.  | 25000.  | 25000.  | 25000.  | 25000.  | 25000.  |
| Low    | -5000.  | -10.00  | -10.00  | -50.00  | -20.00  | -3.000  | -5.000  |

| Elem  | Sb2068   | As1890   | 22031    | 22032    | 20681    | 20682    | 19601    |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc  | -1.035   | -2.033   | -1.602   | -.5613   | .5868    | -1.858   | -.6424   |
| SDev  | .405     | 2.070    | .962     | .2451    | .2451    | .484     | 3.0663   |
| SRSD  | 39.11    | 101.2    | 60.03    | 43.67    | 41.77    | 26.07    | 477.3    |

|    |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|-------|--------|--------|
| #1 | -1.321 | -3.497 | -2.282 | -.3880 | .4135 | -2.201 | 1.526  |
| #2 | -.7486 | -.5690 | -.9219 | -.7347 | .7601 | -1.516 | -2.811 |

| Errors | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
|--------|---------|---------|---------|---------|---------|---------|---------|
| High   | 10000.  | 25000.  |         |         |         |         |         |
| Low    | -60.00  | -10.00  |         |         |         |         |         |

| Elem  | 19602    | Sn1899   | Ti3349   | Bi2230   |
|-------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter |

AR318891

## Analysis Report

Sat 03-09-96 02:39:30 AM

page 1

Method: CLPSUE Sample Name: 785782  
 Run Time: 03/09/96 02:34:12  
 Comment: SDG:921 ClientID:11SMW0134 1:1  
 Mode: CONC Corr. Factor: 1

#45 Operator:

| Elem  | Ag3280   | Al3082   | Ba4934   | Be3130   | Ca3179   | Cd2265   | Co2286   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | -.0357   | 175.4    | .8154    | -.0747   | 433.1    | -.0831   | .2171    |
| SDev  | .3024    | .5       | .0254    | .0154    | .1       | .0085    | .2322    |
| %RSD  | 846.0    | .3024    | 3.112    | 20.56    | .0240    | 10.19    | 106.9    |

|    |        |       |       |        |       |        |       |
|----|--------|-------|-------|--------|-------|--------|-------|
| #1 | -.2496 | 175.0 | .7975 | -.0856 | 433.1 | -.0890 | .0529 |
| #2 | .1781  | 175.8 | .8334 | -.0638 | 433.0 | -.0771 | .3813 |

| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
|--------|---------|---------|---------|---------|---------|---------|---------|
| High   | 2500.   | 600000. | 25000.  | 25000.  | 600000. | 25000.  | 25000.  |
| Low    | -10.00  | -200.0  | -200.0  | -5.000  | -5000.  | -5.000  | -50.00  |

| Elem  | Cr2677   | Cu3247   | Fe2714   | K_7664   | Mg2790   | Mn2576   | Mo2020   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | 8.046    | 1.007    | 88.32    | 84.80    | 42.19    | 1.443    | .7229    |
| SDev  | .032     | .125     | 1.37     | 2.85     | 6.23     | .028     | .1060    |
| %RSD  | .3970    | 13.40    | 1.546    | 3.356    | 14.76    | 1.918    | 14.67    |

|    |       |       |       |       |       |       |       |
|----|-------|-------|-------|-------|-------|-------|-------|
| #1 | 8.068 | .9115 | 89.29 | 82.79 | 37.79 | 1.424 | .6479 |
| #2 | 8.023 | 1.102 | 87.36 | 86.82 | 46.60 | 1.463 | .7979 |

| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
|--------|---------|---------|---------|---------|---------|---------|---------|
| High   | 25000.  | 25000.  | 300000. | 450000. | 600000. | 25000.  | 25000.  |
| Low    | -10.00  | -25.00  | -100.0  | -5000.  | -5000.  | -15.00  | -3.000  |

| Elem  | Na3302   | Ni2316   | Tl1908   | V_2924   | Zn2138   | Pb2203   | Se1960   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | 713.6    | 2.577    | -3.431   | .0601    | 8.517    | -.0986   | 1.149    |
| SDev  | 41.5     | .315     | 4.241    | .0899    | .092     | .1563    | 1.749    |
| %RSD  | 5.815    | 12.24    | 123.6    | 142.4    | 1.076    | 17.44    | 152.3    |

|    |       |       |        |        |       |        |        |
|----|-------|-------|--------|--------|-------|--------|--------|
| #1 | 694.3 | 2.354 | -6.430 | -.0034 | 8.582 | -1.009 | 2.385  |
| #2 | 743.0 | 2.890 | -.4328 | .1237  | 8.452 | -.7878 | -.0882 |

| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
|--------|---------|---------|---------|---------|---------|---------|---------|
| High   | 600000. | 25000.  | 25000.  | 25000.  | 25000.  | 25000.  | 25000.  |
| Low    | -5000.  | -40.00  | -10.00  | -50.00  | -20.00  | -3.000  | -5.000  |

| Elem  | Sb2068   | As1890   | 22031    | 22032    | 20681    | 20682    | 19601    |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | -1.035   | -2.033   | -1.602   | -.5613   | .5868    | -1.858   | -.6424   |
| SDev  | .405     | 2.070    | .962     | .2451    | .2451    | .484     | 3.0663   |
| %RSD  | 39.11    | 101.8    | 60.03    | 43.67    | 41.77    | 26.07    | 477.3    |

|    |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|-------|--------|--------|
| #1 | -1.321 | -3.497 | -2.282 | -.3880 | .4135 | -2.201 | 1.526  |
| #2 | -.7486 | -.5690 | -.9219 | -.7347 | .7601 | -1.516 | -2.811 |

| Errors | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
|--------|---------|---------|---------|---------|---------|---------|---------|
| High   | 10000.  | 25000.  |         |         |         |         |         |
| Low    | -60.00  | -10.00  |         |         |         |         |         |

| Elem  | 19602    | Sn1899   | Ti3349   | Bi2230   |
|-------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter |

AR318891A

## Analysis Report

Sat 03-09-96 02:44:55 AM

page 1

Method: CLPSUE Sample Name: 786280  
 Run Time: 03/09/96 02:39:36  
 Comment: SDG:921 ClientID:03SMW0233  
 Mode: CONC Corr. Factor: 1

#46 Operator:

| Elem  | Ag3280   | Al3082   | Ba4934   | Be3130   | Ca3179   | Cd2265   | Co2286   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc  | -.1426   | 138.8    | .6789    | -.1651   | 7.768    | .0381    | .1941    |
| SDev  | .3528    | 5.4      | .0176    | .0627    | .038     | .0792    | .1969    |
| %RSD  | 247.4    | 3.870    | 2.600    | 37.97    | .4907    | 207.7    | 101.4    |

|    |        |       |       |        |       |        |       |
|----|--------|-------|-------|--------|-------|--------|-------|
| #1 | -.3920 | 142.6 | .6914 | -.1208 | 7.795 | .0942  | .0549 |
| #2 | .1069  | 135.0 | .6664 | -.2094 | 7.741 | -.0179 | .3334 |

| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
|--------|---------|---------|---------|---------|---------|---------|---------|
| High   | 2500.   | 600000. | 25000.  | 25000.  | 600000. | 25000.  | 25000.  |
| Low    | -10.00  | -200.0  | -200.0  | -5.000  | -5000.  | -5.000  | -50.00  |

| Elem  | Cr2677   | Cu3247   | Fe2714   | K_7664   | Mg2790   | Mn2576   | Mo2020   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc  | .5034    | .5725    | 19.76    | 99.58    | 17.23    | .2957    | -.0158   |
| SDev  | .0409    | .0303    | .74      | 9.17     | 1.44     | .0260    | .2328    |
| %RSD  | 8.131    | 5.289    | 3.741    | 9.298    | 8.377    | 8.798    | 1850.    |

|    |       |       |       |       |       |       |        |
|----|-------|-------|-------|-------|-------|-------|--------|
| #1 | .4744 | .5939 | 20.28 | 105.1 | 16.21 | .2773 | -.2229 |
| #2 | .5623 | .5511 | 19.24 | 98.10 | 18.25 | .3141 | .1912  |

| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
|--------|---------|---------|---------|---------|---------|---------|---------|
| High   | 25000.  | 25000.  | 300000. | 450000. | 600000. | 25000.  | 25000.  |
| Low    | -10.00  | -25.00  | -100.0  | -5000.  | -5000.  | -15.00  | -3.000  |

| Elem  | Na6902   | Ni2310   | Tl1908   | V_2924   | Zn2138   | Pb2203   | Se1960   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc  | 895.5    | .0337    | -.03593  | -.0326   | 3.077    | -.3258   | -.3594   |
| SDev  | 5.9      | .0887    | 2.3144   | .1848    | .093     | .2355    | 1.1978   |
| %RSD  | .6577    | 94.73    | 699.8    | 7215.    | .1067    | 72.28    | 307.6    |

|    |       |       |        |        |       |        |        |
|----|-------|-------|--------|--------|-------|--------|--------|
| #1 | 899.7 | .0309 | -2.137 | -.1332 | 3.079 | -.4924 | .4576  |
| #2 | 891.4 | .1564 | 1.419  | .1281  | 3.074 | -.1593 | -1.236 |

| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
|--------|---------|---------|---------|---------|---------|---------|---------|
| High   | 600000. | 25000.  | 25000.  | 25000.  | 25000.  | 25000.  | 25000.  |
| Low    | -5000.  | -40.00  | -10.00  | -50.00  | -20.00  | -3.000  | -5.000  |

| Elem  | Sb2068   | As1890   | 22031    | 22032    | 20681    | 20682    | 19601    |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc  | -.4090   | .3495    | -.1305   | -.4371   | 1.153    | -1.203   | -.5413   |
| SDev  | .2810    | .2941    | .9137    | .8093    | .470     | .187     | 2.0084   |
| %RSD  | 68.71    | 84.14    | 699.9    | 185.2    | 40.72    | 15.54    | 371.0    |

|    |        |       |        |        |       |        |        |
|----|--------|-------|--------|--------|-------|--------|--------|
| #1 | -.2103 | .1416 | .5155  | -1.009 | 1.485 | -1.071 | .8788  |
| #2 | -.6077 | .5575 | -.7766 | .1352  | .8213 | -1.335 | -1.961 |

| Errors | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
|--------|---------|---------|---------|---------|---------|---------|---------|
| High   | 10000.  | 25000.  |         |         |         |         |         |
| Low    | -60.00  | -10.00  |         |         |         |         |         |

| Elem  | 19602    | Sn1899   | Ti3349   | Ri2230   |
|-------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter |

AR318893

Sat 03-09-96 02:44:55 AM

page 1

Analysis Report

Method: CLPSUE  
Run Time: 03/09/96 02:39:36  
Comment: SDG:921  
Mode: CONC

Sample Name: 786280  
Client ID: 03SMW0233  
Corr. Factor: 1

#46 Operator:

1:1

| Elem   | Ag3280   | Al3082   | Ba4934   | Be3130   | Ca3179   | Cd2265   | Co2286   |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg    | -.1426   | 138.8    | .6789    | -.1651   | 7.768    | .0381    | .1941    |
| SDev   | .3528    | 5.4      | .0176    | .0627    | .038     | .0792    | .1969    |
| SRSD   | 247.4    | 3.870    | 2.600    | 37.97    | .4907    | 207.7    | 101.4    |
| #1     | -.3920   | 142.6    | .6914    | -.1208   | 7.795    | .0942    | .0549    |
| #2     | .1069    | 135.0    | .6664    | -.2094   | 7.741    | -.0179   | .3334    |
| Errors | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  |
| High   | 2500.    | 600000.  | 25000.   | 25000.   | 600000.  | 25000.   | 25000.   |
| Low    | -10.00   | -200.0   | -200.0   | -5.000   | -5000.   | -5.000   | -50.00   |
| Elem   | Cr2677   | Cu3247   | Fe2714   | K_7664   | Mg2790   | Mn2576   | Mo2020   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg    | .6034    | .5725    | 19.76    | 98.58    | 17.23    | .2957    | -.0158   |
| SDev   | .0409    | .0203    | .74      | 9.17     | 1.44     | .0260    | .2928    |
| SRSD   | 8.137    | 5.289    | 3.741    | 9.288    | 8.377    | 8.798    | 1850.    |
| #1     | .4744    | .5939    | 20.28    | 105.1    | 16.21    | .2773    | -.2229   |
| #2     | .5823    | .5511    | 19.24    | 92.10    | 18.25    | .3141    | .1912    |
| Errors | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  |
| High   | 25000.   | 25000.   | 300000.  | 450000.  | 600000.  | 25000.   | 25000.   |
| Low    | -10.00   | -25.00   | -100.0   | -5000.   | -5000.   | -15.00   | -3.000   |
| Elem   | Na3302   | Ni2316   | Ti1002   | V_2924   | Zn2138   | Pb2203   | Se1960   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg    | 825.5    | .0337    | -.3593   | -.0026   | 3.077    | -.3258   | -.3594   |
| SDev   | 5.3      | .0897    | 2.5144   | .1848    | .003     | .2355    | 1.1978   |
| SRSD   | 16507    | 94.73    | 699.8    | 7215.    | .1067    | 72.29    | 307.6    |
| #1     | 899.7    | .0309    | -2.137   | -.1232   | 3.079    | -.4924   | .4576    |
| #2     | 891.4    | .1564    | 1.419    | .1281    | 3.074    | -.1593   | -1.236   |
| Errors | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  |
| High   | 600000.  | 25000.   | 25000.   | 25000.   | 25000.   | 25000.   | 25000.   |
| Low    | -5000.   | -40.00   | -10.00   | -50.00   | -20.00   | -3.000   | -5.000   |
| Elem   | Sb2068   | As1890   | Zn2031   | Zn2032   | Zn20681  | Zn20682  | 19601    |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg    | -.4090   | .3495    | -.1305   | -.4371   | 1.153    | -1.203   | -.5413   |
| SDev   | .2810    | .2941    | .9137    | .8093    | .470     | .187     | 2.0084   |
| SRSD   | 68.71    | 84.14    | 699.9    | 185.2    | 40.72    | 15.54    | 371.0    |
| #1     | -.2103   | .1416    | .5155    | -1.009   | 1.485    | -1.071   | .8788    |
| #2     | -.6077   | .5575    | -.7766   | .1352    | .8213    | -1.335   | -1.961   |
| Errors | LC Pass  | LC Pass  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  |
| High   | 10000.   | 25000.   |          |          |          |          |          |
| Low    | -60.00   | -10.00   |          |          |          |          |          |
| Elem   | 19602    | Sn1899   | Ti3349   | Ri2230   |          |          |          |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter |          |          |          |

AR318893A

## Analysis Report

Sat 03-09-96 02:50:20 AM

page 1

Method: CLPSUE Sample Name: PDS788039 #47 Operator:  
 Run Time: 03/09/96 02:45:01  
 Comment: SDG:1 ClientID:C#-KEYWA 1:1  
 Mode: CONC Corr. Factor: 1

| Elem  | Ag3280   | Al3082    | Ba4934    | Be3130   | Ca3179   | Cd2265   | Co2286   |
|-------|----------|-----------|-----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter  | ug/liter  | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | k2.413   | k4102000. | H7129000. | k51390.  | C.0000   | k41760.  | k443600. |
| SDev  | .050     | 8219.     | 13708.    | 106.     | .0000    | 160.     | 219.     |
| %RSD  | 2.090    | .2004     | .1923     | .2057    | .0000    | .3834    | .0494    |

|    |        |           |           |         |        |         |          |
|----|--------|-----------|-----------|---------|--------|---------|----------|
| #1 | k2.378 | k4096000. | H7119000. | k51310. | C.0000 | k41870. | k443800. |
| #2 | k2.449 | k4108000. | H7138000. | k51460. | C.0000 | k41650. | k443500. |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | LC Pass | LC High | LC High | LC High | LC Pass | LC High | LC High |
| High   | 2500.   | 600000. | 25000.  | 25000.  | 600000. | 25000.  | 25000.  |
| Low    | -10.00  | -200.0  | -200.0  | -5.000  | -5000.  | -5.000  | -50.00  |

| Elem  | Cr2677   | Cu3247   | Fe2714   | K_7664   | Mg2790   | Mn2576   | Mo2020   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | k233400. | k91.23   | k342500. | H55e6    | k277100. | k133300. | k14610.  |
| SDev  | 2716.    | 1.64     | 36.      | 168371.  | 1577.    | 228.     | 229.     |
| %RSD  | 1.163    | .6869    | .0105    | .3065    | .5692    | .1711    | 1.543    |

|    |          |        |          |       |          |          |         |
|----|----------|--------|----------|-------|----------|----------|---------|
| #1 | k235400. | k91.68 | k342400. | H55e6 | k276000. | k133400. | k14970. |
| #2 | k231500. | k90.78 | k342500. | H55e6 | k276200. | k133100. | k14650. |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | LC High | LC Pass | LC High | LC High | LC Pass | LC High | LC Pass |
| High   | 25000.  | 25000.  | 300000. | 450000. | 500000. | 25000.  | 25000.  |
| Low    | -10.00  | -25.00  | -100.0  | -5000.  | -5000.  | -15.00  | -3.000  |

| Elem  | Na3302   | Ni2316   | Ti1908   | V_2924   | Zn2138   | Pb2203   | Sr1960   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | k15e6    | H354800. | k76480.  | k453400. | C.0000   | k48080.  | k56070.  |
| SDev  | 23235.   | 386.     | 6742.    | 771.     | .0000    | 2621.    | 602.     |
| %RSD  | .1646    | .1087    | 8.815    | .1699    | .0000    | 5.867    | 1.074    |

|    |       |          |         |          |        |         |         |
|----|-------|----------|---------|----------|--------|---------|---------|
| #1 | k15e6 | H354600. | k81250. | k454000. | C.0000 | k50080. | k56490. |
| #2 | k15e6 | H355100. | k71710. | k452900. | C.0000 | k46090. | k55640. |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | LC High | LC High | LC High | LC High | LC Pass | LC High | LC High |
| High   | 600000. | 25000.  | 25000.  | 25000.  | 25000.  | 25000.  | 25000.  |
| Low    | -5000.  | -40.00  | -10.00  | -50.00  | -20.00  | -3.000  | -5.000  |

| Elem  | Sb2068   | As1890   | 22031    | 22032    | 20681    | 20682    | 19601    |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | k562000. | k80210.  | k69400.  | k37380.  | k561000. | k571500. | k25150.  |
| SDev  | 1718.    | 1239.    | 1218.    | 3616.    | 1592.    | 1780.    | 2258.    |
| %RSD  | .3024    | 1.545    | 1.755    | 9.673    | .2838    | .3115    | 8.980    |

|    |          |         |         |         |          |          |         |
|----|----------|---------|---------|---------|----------|----------|---------|
| #1 | k569200. | k79340. | k70260. | k39930. | k562100. | k572700. | k26740. |
| #2 | k566800. | k81090. | k68540. | k34820. | k559900. | k570200. | k23550. |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | LC High | LC High | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| High   | 10000.  | 25000.  |         |         |         |         |         |
| Low    | -60.00  | -10.00  |         |         |         |         |         |

| Elem  | 19602    | Sn1899   | Ti3349   | Bi2230   |
|-------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter |

AR318895

## Analysis Report

Sat 03-09-96 02:50:20 AM

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|      |         |         |         |        |
|------|---------|---------|---------|--------|
| Avge | k71440. | k13100. | k35480. | k2813. |
| SDev | 224.    | 567.    | 8598.   | 6045.  |
| %RSD | .3139   | 4.333   | 24.24   | 214.9  |

|    |         |         |         |         |
|----|---------|---------|---------|---------|
| #1 | k71290. | k13500. | k41560. | k-1462. |
| #2 | k71600. | k12690. | k29400. | k7087.  |

|        |         |         |         |         |
|--------|---------|---------|---------|---------|
| Errors | NOCHECK | LC High | LC High | LC Pass |
| High   |         | 10000.  | 10000.  | 10000.  |
| Low    |         | -20.00  | -30.00  | -10.00  |

| IntStd | 1        | 2        | 3       | 4       | 5       | 6       | 7       |
|--------|----------|----------|---------|---------|---------|---------|---------|
| Mode   | Counts   | Time     | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem   | Y        | --       | --      | --      | --      | --      | --      |
| Wavlen | 371.030  | --       | --      | --      | --      | --      | --      |
| Avge   | 0        | 1000     | --      | --      | --      | --      | --      |
| SDev   | .0000000 | .0000000 | --      | --      | --      | --      | --      |
| %RSD   | .0000000 | .0000000 | --      | --      | --      | --      | --      |
| #1     | 0        | 1000     | --      | --      | --      | --      | --      |
| #2     | 0        | 1000     | --      | --      | --      | --      | --      |

AR318896

## Analysis Report

Sat 03-09-96 02:55:45 AM

page 1

Method: CLPSUR Sample Name: PDS785777 #48 Operator:  
 Run Time: 03/09/96 02:50:26  
 Comment: SDG:921 ClientID:CME550A 1:1  
 Mode: CONC Corr. Factor: 1

| Elem  | Ag3280   | Al3082   | Ba4934   | Be3130   | Ca3179   | Cd2265   | Co2286   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | 12.72    | 189.0    | 20.84    | 10.96    | 36940.   | 11.02    | 126.2    |
| SDev  | .08      | 2.5      | .01      | .05      | 67.      | .00      | .5       |
| %RSD  | .6603    | 1.329    | .0281    | .4299    | .1808    | .0129    | .3856    |

|    |       |       |       |       |        |       |       |
|----|-------|-------|-------|-------|--------|-------|-------|
| #1 | 12.66 | 187.2 | 20.84 | 10.93 | 36900. | 11.02 | 125.8 |
| #2 | 12.78 | 190.8 | 20.84 | 10.99 | 36990. | 11.02 | 126.5 |

| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
|--------|---------|---------|---------|---------|---------|---------|---------|
| High   | 2500.   | 600000. | 25000.  | 25000.  | 600000. | 25000.  | 25000.  |
| Low    | -10.00  | -200.0  | -200.0  | -5.000  | -5000.  | -5.000  | -50.00  |

| Elem  | Cr2677   | Cu3247   | Fe2714   | K_7664   | Mg2790   | Mn2576   | Mo2020   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | 24.67    | 62.63    | 966.1    | 925.6    | 9801.    | 42.55    | 1.312    |
| SDev  | .67      | .04      | 10.7     | 6.4      | 9.       | .09      | .138     |
| %RSD  | 1.504    | .0716    | 1.076    | .6889    | .0893    | .2213    | 10.51    |

|    |       |       |       |       |       |       |       |
|----|-------|-------|-------|-------|-------|-------|-------|
| #1 | 24.61 | 62.67 | 960.6 | 921.1 | 9795. | 42.48 | 1.409 |
| #2 | 25.14 | 62.60 | 995.7 | 930.1 | 9807. | 42.62 | 1.214 |

| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
|--------|---------|---------|---------|---------|---------|---------|---------|
| High   | 25000.  | 25000.  | 300000. | 450000. | 600000. | 25000.  | 25000.  |
| Low    | -10.00  | -25.00  | -100.0  | -5000.  | -5000.  | -15.00  | -3.000  |

| Elem  | Na3302   | Ni2316   | Tl1908   | V_2624   | Zn2138   | Pb2203   | Se1960   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | 4844.    | 87.71    | 21.74    | 112.7    | 106.9    | 14.16    | 13.02    |
| SDev  | 117.     | .16      | 2.93     | .3       | .3       | .63      | .63      |
| %RSD  | 2.515    | .1786    | 13.47    | .2735    | .2352    | 4.454    | 4.867    |

|    |       |       |       |       |       |       |       |
|----|-------|-------|-------|-------|-------|-------|-------|
| #1 | 4562. | 87.60 | 19.67 | 112.9 | 106.8 | 13.72 | 12.57 |
| #2 | 4727. | 87.82 | 23.81 | 112.5 | 107.1 | 14.61 | 13.47 |

| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
|--------|---------|---------|---------|---------|---------|---------|---------|
| High   | 600000. | 25000.  | 25000.  | 25000.  | 25000.  | 25000.  | 25000.  |
| Low    | -5000.  | -40.00  | -10.00  | -50.00  | -20.00  | -3.000  | -5.000  |

| Elem  | Sb2068   | As1890   | Zn2031   | Zn2032   | Zn20681  | Zn20682  | 19601    |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | 134.8    | 21.68    | 14.25    | 14.10    | 134.6    | 134.9    | 11.79    |
| SDev  | 1.2      | 2.35     | 1.30     | 1.60     | 2.7      | .4       | 2.61     |
| %RSD  | .8702    | 10.84    | 9.150    | 11.32    | 2.033    | .2908    | 22.13    |

|    |       |       |       |       |       |       |       |
|----|-------|-------|-------|-------|-------|-------|-------|
| #1 | 134.0 | 20.02 | 15.18 | 12.97 | 132.7 | 134.6 | 13.64 |
| #2 | 135.7 | 23.34 | 13.33 | 15.23 | 136.6 | 135.2 | 9.948 |

| Errors | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
|--------|---------|---------|---------|---------|---------|---------|---------|
| High   | 10000.  | 25000.  |         |         |         |         |         |
| Low    | -60.00  | -10.00  |         |         |         |         |         |

| Elem  | 19602    | Sn1899   | Ti3349   | Bi2230   |
|-------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter |

AR318897



## Analysis Report

Sat 03-09-96 02:55:45 AM

page 2

|        |         |         |         |         |
|--------|---------|---------|---------|---------|
| Avge   | 13.62   | 1.882   | .3803   | .2724   |
| SDev   | 2.25    | 3.204   | 2.375   | 1.339   |
| SRSD   | 16.54   | 170.3   | 624.6   | 491.8   |
| #1     | 12.03   | 4.147   | -1.299  | -.6748  |
| #2     | 15.22   | -.3839  | 2.060   | 1.220   |
| Errors | NOCHECK | LC Pass | LC Pass | LC Pass |
| High   |         | 10000.  | 10000.  | 10000.  |
| Low    |         | -20.00  | -30.00  | -10.00  |

| IntStd | 1        | 2        | 3       | 4       | 5       | 6       | 7       |
|--------|----------|----------|---------|---------|---------|---------|---------|
| Mode   | Counts   | Time     | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem   | Y        | --       | --      | --      | --      | --      | --      |
| Wavlen | 371.030  | --       | --      | --      | --      | --      | --      |
| Avge   | 855      | 1000     | --      | --      | --      | --      | --      |
| SDev   | .2357310 | .0000000 | --      | --      | --      | --      | --      |
| SRSD   | .0275749 | .0000000 | --      | --      | --      | --      | --      |
| #1     | 855      | 1000     | --      | --      | --      | --      | --      |
| #2     | 855      | 1000     | --      | --      | --      | --      | --      |

AR318898

Analysis Report

QC Standard

Sat 03-09-96 03:01:11 AM

page 1

Method: CLPSUE Sample Name: CCVA  
 Run Time: 03/09/96 02:55:52  
 Comment: CCV CVS1  
 Mode: CONC Corr. Factor: 1

Operator:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | Ba4934   | Re3130   | Ca3179   | Cd2265   | Co2286   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg    | 103.7    | 2043.    | 1022.    | 1024.    | 50540.   | 996.5    | 1019.    |
| SDev   | .3       | 2.       | 2.       | 1.       | 35.      | .6       | .        |
| %RSD   | .3241    | .1078    | .1559    | .1338    | .0687    | .0632    | .0019    |
| #1     | 103.4    | 2042.    | 1021.    | 1023.    | 50520.   | 996.9    | 1019.    |
| #2     | 103.9    | 2045.    | 1024.    | 1025.    | 50570.   | 996.0    | 1019.    |
| Errors | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  |
| Value  | 100.0    | 2000.    | 1000.    | 1000.    | 50000.   | 1000.    | 1000.    |
| Range  | 10.50    | 10.50    | 10.50    | 10.50    | 10.50    | 10.50    | 10.50    |
| Elem   | Cr2677   | Cu3247   | Fe2714   | K_7664   | Mg2790   | Mn2576   | Mo2020   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg    | 1003.    | 1038.    | 2004.    | 48650.   | 50220.   | 1003.    | 1028.    |
| SDev   | .        | 2.       | 9.       | 5.       | 31.      | 1.       | .        |
| %RSD   | .0416    | .2158    | .4437    | .0094    | .1606    | .0729    | .0466    |
| #1     | 1004.    | 1036.    | 2011.    | 48650.   | 50160.   | 1002.    | 1028.    |
| #2     | 1003.    | 1039.    | 1998.    | 48660.   | 50270.   | 1003.    | 1027.    |
| Errors | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  |
| Value  | 1000.    | 1000.    | 2000.    | 50000.   | 50000.   | 1000.    | 1000.    |
| Range  | 10.50    | 10.50    | 10.50    | 10.50    | 10.50    | 10.50    | 10.50    |
| Elem   | Na3602   | Ni2316   | Ti1808   | V_2924   | Zn2138   | Pb2203   | Se1960   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg    | 50180.   | 1031.    | 1065.    | 1025.    | 1031.    | 1036.    | 1045.    |
| SDev   | 186.     | .        | 5.       | 1.       | .        | 1.       | 3.       |
| %RSD   | .3713    | .0088    | .4653    | .0588    | .0113    | .1097    | .3203    |
| #1     | 50080.   | 1031.    | 1069.    | 1024.    | 1031.    | 1030.    | 1047.    |
| #2     | 50320.   | 1002.    | 1061.    | 1025.    | 1031.    | 1023.    | 1043.    |
| Errors | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  |
| Value  | 50000.   | 1000.    | 1000.    | 1000.    | 1000.    | 1000.    | 1000.    |
| Range  | 10.50    | 10.50    | 10.50    | 10.50    | 10.50    | 10.50    | 10.50    |
| Elem   | Sb2068   | As1890   | 22031    | 22032    | 20681    | 20682    | 19601    |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg    | 1030.    | 1043.    | 1033.    | 1028.    | 1026.    | 1032.    | 1053.    |
| SDev   | 1.       | 1.       | .        | 2.       | .        | 1.       | 7.       |
| %RSD   | .1016    | .1174    | .0281    | .1507    | .0137    | .1453    | .6269    |
| #1     | 1031.    | 1042.    | 1033.    | 1029.    | 1027.    | 1033.    | 1048.    |
| #2     | 1029.    | 1044.    | 1033.    | 1027.    | 1026.    | 1030.    | 1057.    |
| Errors | QC Pass  | QC Pass  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  |
| Value  | 1000.    | 1000.    |          |          |          |          |          |
| Range  | 10.50    | 10.50    |          |          |          |          |          |
| Elem   | 19602    | Sn1899   | Ti3349   | Bi2230   |          |          |          |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter |          |          |          |

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QC Standard

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|        |          |          |         |         |         |         |         |
|--------|----------|----------|---------|---------|---------|---------|---------|
| Avge   | 1041.    | 1036.    | 997.7   | 1040.   |         |         |         |
| SDev   | 8.       | 2.       | 3.2     | 3.      |         |         |         |
| SRSD   | .7981    | .1704    | .3244   | .3297   |         |         |         |
| #1     | 1047.    | 1037.    | 1000.0  | 1043.   |         |         |         |
| #2     | 1035.    | 1035.    | 995.4   | 1038.   |         |         |         |
| Errors | NOCHECK  | QC Pass  | QC Pass | QC Pass |         |         |         |
| Value  |          | 1000.    | 1000.   | 1000.   |         |         |         |
| Range  |          | 10.50    | 10.50   | 10.50   |         |         |         |
| IntStd | 1        | 2        | 3       | 4       | 5       | 6       | 7       |
| Mode   | Counts   | Time     | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem   | Y        | --       | --      | --      | --      | --      | --      |
| Wavlen | 371.030  | --       | --      | --      | --      | --      | --      |
| Avge   | 874      | 1000     | --      | --      | --      | --      | --      |
| SDev   | 1.697117 | .0000000 | --      | --      | --      | --      | --      |
| SRSD   | .1941536 | .0000000 | --      | --      | --      | --      | --      |
| #1     | 873      | 1000     | --      | --      | --      | --      | --      |
| #2     | 875      | 1000     | --      | --      | --      | --      | --      |

AR318900

Analysis Report

QC Standard

Sat 03-09-96 03:06:38 AM

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Method: CLPSUE

Sample Name: CCRA

Operator:

Run Time: 03/09/96 03:01:18

Comment: CCB

Mode: CONC Corr. Factor: 1

| Elem  | Ag3280   | Al3082   | Ba4934   | Be3130   | Ca3179   | Cd2265   | Co2286   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | -.1010   | -26.38   | .4240    | .0823    | -24.60   | .4310    | .6017    |
| SDev  | .0588    | .31      | .0611    | .0827    | 7.05     | .1746    | .0437    |
| %RSD  | 58.22    | 1.169    | 14.42    | 100.5    | 28.67    | 40.51    | 7.260    |

|    |        |        |       |       |        |       |       |
|----|--------|--------|-------|-------|--------|-------|-------|
| #1 | -.1426 | -26.16 | .4673 | .1408 | -19.61 | .5544 | .6326 |
| #2 | -.0594 | -26.59 | .3808 | .0238 | -29.58 | .3075 | .5708 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass |
| Value  | .0000   | .0000   | .0000   | .0000   | .0000   | .0000   | .0000   |
| Range  | 10.00   | 200.0   | 200.0   | 5.000   | 500.0   | 5.000   | 50.00   |

| Elem  | Cr2677   | Cu3247   | Fe2714   | K_7664   | Mg2790   | Mn2576   | Mo2020   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | .1317    | .8374    | 1.751    | 4.668    | 19.44    | .4204    | -.0974   |
| SDev  | .3953    | .2246    | .668     | 5.982    | 4.57     | .0762    | .5523    |
| %RSD  | 300.1    | 26.84    | 36.14    | 128.1    | 23.52    | 18.12    | 566.9    |

|    |        |       |       |       |       |       |        |
|----|--------|-------|-------|-------|-------|-------|--------|
| #1 | -.1478 | .9963 | 2.223 | 8.898 | 22.67 | .4743 | .2931  |
| #2 | .4512  | .6785 | 1.276 | .4384 | 16.20 | .3666 | -.4879 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | NOCHECK |
| Value  | .0000   | .0000   | .0000   | .0000   | .0000   | .0000   | .0000   |
| Range  | 10.00   | 25.00   | 100.0   | 5000.   | 5000.   | 15.00   |         |

| Elem  | Ni3302   | Ni2316   | Zn1908   | V_2924   | Sr2138   | Pb2203   | Se1960   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | 50.97    | -.1487   | -.3328   | .3700    | -4.037   | .1122    | -.0526   |
| SDev  | 55.20    | .4256    | 1.3665   | .0046    | .240     | .4136    | 1.0452   |
| %RSD  | 127.9    | 286.4    | 560.3    | 1.290    | 5.936    | 368.7    | 198.9    |

|    |       |        |        |       |        |        |        |
|----|-------|--------|--------|-------|--------|--------|--------|
| #1 | 4.672 | -.4497 | -1.653 | .3734 | -3.867 | -.1803 | -.7916 |
| #2 | 97.08 | .1524  | .9871  | .3666 | -4.206 | .4046  | .6865  |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass |
| Value  | .0000   | .0000   | .0000   | .0000   | .0000   | .0000   | .0000   |
| Range  | 5000.   | 40.00   | 10.00   | 50.00   | 20.00   | 3.000   | 5.000   |

| Elem  | Sb2068   | As1890   | Zn2031   | Zn2032   | Zn20681  | Zn20682  | Se19601  |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | .5873    | -1.165   | -1.079   | .6939    | 2.292    | -.2764   | -3.263   |
| SDev  | .6587    | 1.483    | .104     | .6718    | 1.522    | .2279    | 2.416    |
| %RSD  | 112.1    | 127.3    | 9.601    | 96.82    | 66.39    | 82.44    | 74.03    |

|    |       |        |        |       |       |        |        |
|----|-------|--------|--------|-------|-------|--------|--------|
| #1 | .1220 | -2.214 | -1.006 | .2188 | 1.216 | -.4375 | -1.555 |
| #2 | 1.054 | -.1166 | -1.153 | 1.169 | 3.368 | -.1153 | -4.972 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | QC Pass | QC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| Value  | .0000   | .0000   |         |         |         |         |         |
| Range  | 60.00   | 10.00   |         |         |         |         |         |

| Elem  | Se19602  | Sn1899   | Ti3349   | Bi2230   |
|-------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter |

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Analysis Report

QC Standard

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|                    |         |         |         |         |
|--------------------|---------|---------|---------|---------|
| Avge               | 1.537   | .8682   | -3.549  | .0540   |
| SDev               | 2.773   | 1.600   | .033    | .4072   |
| %RSD               | 180.4   | 184.3   | .9162   | 754.0   |
| #1                 | -.4237  | -.2633  | -3.526  | .3419   |
| #2                 | 3.498   | 2.000   | -3.572  | -.2339  |
| Errors Value Range | NOCHECK | NOCHECK | NOCHECK | NOCHECK |

| IntStd | 1        | 2        | 3       | 4       | 5       | 6       | 7       |
|--------|----------|----------|---------|---------|---------|---------|---------|
| Mode   | Counts   | Time     | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem   | Y        | --       | --      | --      | --      | --      | --      |
| Wavlen | 371.030  | --       | --      | --      | --      | --      | --      |
| Avge   | 910      | 1000     | --      | --      | --      | --      | --      |
| SDev   | 2.262837 | .0000000 | --      | --      | --      | --      | --      |
| %RSD   | .2486145 | .0000000 | --      | --      | --      | --      | --      |
| #1     | 909      | 1000     | --      | --      | --      | --      | --      |
| #2     | 912      | 1000     | --      | --      | --      | --      | --      |

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Analysis Report      QC Standard      Sat 03-09-96 03:12:02 AM      page 1

Method: CLPSUE      Sample Name: ICSA      Operator:

Run Time: 03/09/96 03:06:44

Comment: ICSA ICSA

Mode: CONC      Corr. Factor: 1

| Elem  | Ag3280   | Al3082   | Ba4934   | Be3130   | Ca3179   | Cd2265   | Co2286   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avge  | -.3847   | 570000.  | 2.081    | .2591    | 531000.  | -3.857   | -1.376   |
| SDev  | .3444    | 776.     | .050     | .0178    | 98.      | .378     | .147     |
| SRSD  | 89.52    | .1362    | 2.381    | 6.886    | .0185    | 9.809    | 10.69    |

|    |        |         |       |       |         |        |        |
|----|--------|---------|-------|-------|---------|--------|--------|
| #1 | -.6283 | 570500. | 2.116 | .2465 | 530900. | -3.589 | -1.272 |
| #2 | -.1412 | 569400. | 2.046 | .2717 | 531100. | -4.124 | -1.480 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | NOCHECK | QC Pass | NOCHECK | NOCHECK | QC Pass | NOCHECK | NOCHECK |
| Value  |         | 524200. |         |         | 547900. |         |         |
| Range  |         | 50.00   |         |         | 50.00   |         |         |

| Elem  | Cu2677   | Cu3247   | Fe2714   | K_7664   | Mg2790   | Mn2576   | Mo2020   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avge  | 25.92    | 5.053    | 202400.  | 6.119    | 542700.  | -18.29   | -1.395   |
| SDev  | .20      | .045     | 252.     | 11.30    | 288.     | .06      | .011     |
| SRSD  | .7792    | .8946    | .1246    | 184.7    | .0532    | .3175    | .5662    |

|    |       |       |         |        |         |        |        |
|----|-------|-------|---------|--------|---------|--------|--------|
| #1 | 25.77 | 5.065 | 202300. | 14.11  | 542500. | -18.25 | -1.903 |
| #2 | 26.06 | 5.021 | 202600. | -1.672 | 542900. | -18.33 | -1.887 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | QC Pass | NOCHECK | QC Pass | NOCHECK | QC Pass | NOCHECK | NOCHECK |
| Value  | 21.00   |         | 190700. |         | 529800. |         |         |
| Range  | 30.00   |         | 50.00   |         | 50.00   |         |         |

| Elem  | Ni3302   | Ni2316   | Tl1908   | V_2924   | Zn2138   | Pb2203   | Se1960   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avge  | 151.1    | 2.231    | -3.380   | -17.42   | -21.66   | 1.957    | -2.073   |
| SDev  | 151.1    | 1.807    | 5.090    | 1.07     | .29      | 1.945    | 3.863    |
| SRSD  | 100.0    | 27.22    | 150.6    | .4116    | 1.362    | 99.36    | 186.4    |

|    |       |       |        |        |        |       |        |
|----|-------|-------|--------|--------|--------|-------|--------|
| #1 | 257.3 | 2.660 | -6.979 | -17.54 | -21.45 | .5817 | .6590  |
| #2 | 44.22 | 1.802 | .2194  | -17.44 | -21.87 | 3.332 | -4.804 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| Value  |         |         |         |         |         |         |         |
| Range  |         |         |         |         |         |         |         |

| Elem  | Sb2068   | As1890   | 22031    | 22032    | 20681    | 20682    | 19601    |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avge  | 2.225    | -2.020   | 172.6    | -83.26   | -3.768   | 5.201    | -9.220   |
| SDev  | 3.208    | 2.762    | 1.2      | 2.33     | 1.523    | 5.569    | 4.884    |
| SRSD  | 144.2    | 136.7    | .6797    | 2.799    | 40.41    | 107.1    | 52.97    |

|    |        |        |       |        |        |       |        |
|----|--------|--------|-------|--------|--------|-------|--------|
| #1 | 4.493  | -3.973 | 171.8 | -84.91 | -4.844 | 9.139 | -5.766 |
| #2 | -.0435 | -.0671 | 173.4 | -81.61 | -2.691 | 1.263 | -12.67 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| Value  |         |         |         |         |         |         |         |
| Range  |         |         |         |         |         |         |         |

| Elem  | 19602    | Sn1899   | Ti3349   | Ri2230   |
|-------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter |

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Analysis Report

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|        |          |          |         |         |         |         |         |
|--------|----------|----------|---------|---------|---------|---------|---------|
| Avge   | 1.480    | -3.136   | -57.23  | 7.693   |         |         |         |
| SDev   | 3.353    | 1.962    | 3.61    | .487    |         |         |         |
| %RSD   | 226.5    | 62.56    | 6.312   | 6.330   |         |         |         |
| #1     | 3.851    | -1.749   | -54.68  | 8.037   |         |         |         |
| #2     | -1.8906  | -4.523   | -59.79  | 7.348   |         |         |         |
| Errors | NOCHECK  | NOCHECK  | NOCHECK | NOCHECK |         |         |         |
| Value  |          |          |         |         |         |         |         |
| Range  |          |          |         |         |         |         |         |
| IntStd | 1        | 2        | 3       | 4       | 5       | 6       | 7       |
| Mode   | Counts   | Time     | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem   | Y        | --       | --      | --      | --      | --      | --      |
| Wavlen | 371.030  | --       | --      | --      | --      | --      | --      |
| Avge   | 771      | 1000     | --      | --      | --      | --      | --      |
| SDev   | .9428810 | .0000000 | --      | --      | --      | --      | --      |
| %RSD   | .1223294 | .0000000 | --      | --      | --      | --      | --      |
| #1     | 770      | 1000     | --      | --      | --      | --      | --      |
| #2     | 771      | 1000     | --      | --      | --      | --      | --      |

AR318904

Analysis Report

QC Standard

Sat 03-09-96 03:17:27 AM

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Method: CLPSUF

Sample Name: ICSAB

Operator:

Run Time: 03/09/96 03:12:08

Comment: ICSAB ICSAB

Mode: CONC Corr. Factor: 1

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | Ba4934   | Be3130   | Ca3179   | Cd2265   | Co2286   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg    | 1015.    | 579700.  | 542.4    | 519.3    | 547200.  | 961.7    | 536.8    |
| SDev   | 2.       | 1407.    | .9       | .3       | 170.     | 1.6      | .1       |
| %RSD   | .1772    | .2427    | .1583    | .0628    | .0311    | .1617    | .0139    |
| #1     | 1013.    | 578700.  | 541.8    | 519.1    | 547300.  | 962.8    | 536.7    |
| #2     | 1016.    | 580700.  | 543.0    | 519.5    | 547100.  | 960.6    | 536.8    |
| Errors | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  |
| Value  | 689.0    | 524800.  | 485.0    | 477.0    | 548100.  | 899.0    | 474.0    |
| Range  | 20.00    | 20.00    | 20.00    | 20.00    | 20.00    | 20.00    | 20.00    |
| Elem   | Cu2677   | Cu3247   | Fe2714   | K_7664   | Mg2790   | Mn2576   | Mo2020   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg    | 524.4    | 247.9    | 207500.  | 15.35    | 558900.  | 475.5    | 1018.    |
| SDev   | .3       | 1.3      | 146.     | 6.77     | 1232.    | .0       | 1.       |
| %RSD   | .0469    | .2238    | .0705    | 44.10    | .2204    | .0079    | .0783    |
| #1     | 524.2    | 547.0    | 207600.  | 20.13    | 558000.  | 475.5    | 1019.    |
| #2     | 524.6    | 548.8    | 207400.  | 10.56    | 559600.  | 475.5    | 1018.    |
| Errors | QC Pass  | QC Pass  | QC Pass  | NOCHECK  | QC Pass  | QC Pass  | NOCHECK  |
| Value  | 468.0    | 607.0    | 191300.  |          | 523900.  | 454.0    |          |
| Range  | 20.00    | 20.00    | 20.00    |          | 20.00    | 20.00    |          |
| Elem   | Na3302   | Ni2816   | Tl1908   | V_2924   | Zn2138   | Pb2203   | Re1960   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg    | 665.7    | 964.5    | -2.768   | 504.0    | 1053.    | 5217.    | .2410    |
| SDev   | 157.5    | .7       | .985     | .5       | 1.       | 1.       | 3.969    |
| %RSD   | 23.65    | .0756    | 35.58    | .1079    | .1360    | .0098    | 1647.    |
| #1     | 777.1    | 965.0    | -2.071   | 504.4    | 1054.    | 5218.    | 3.047    |
| #2     | 554.4    | 964.0    | -3.464   | 503.6    | 1052.    | 5217.    | -2.565   |
| Errors | NOCHECK  | QC Pass  | NOCHECK  | QC Pass  | QC Pass  | QC Pass  | NOCHECK  |
| Value  |          | 682.0    |          | 465.0    | 941.0    | 4535.    |          |
| Range  |          | 20.00    |          | 20.00    | 20.00    | 20.00    |          |
| Elem   | Sb2068   | As1890   | 22031    | 22032    | 20681    | 20682    | 19601    |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg    | 10.44    | -.9460   | 5445.    | 5103.    | 9.544    | 10.87    | -3.998   |
| SDev   | .37      | .6296    | 3.       | 1.       | .845     | .97      | 4.368    |
| %RSD   | 3.504    | 66.56    | .0625    | .0183    | 8.852    | 8.926    | 109.3    |
| #1     | 10.70    | -.5008   | 5448.    | 5103.    | 8.946    | 11.56    | -.9093   |
| #2     | 10.18    | -1.391   | 5443.    | 5104.    | 10.14    | 10.18    | -7.086   |
| Errors | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  |
| Value  |          |          |          |          |          |          |          |
| Range  |          |          |          |          |          |          |          |
| Elem   | 19602    | Sn1899   | Ti3349   | Bi2230   |          |          |          |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter |          |          |          |

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Analysis Report

QC Standard

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|      |       |       |       |       |
|------|-------|-------|-------|-------|
| Avge | 2.241 | 1065. | 959.4 | 1113. |
| SDev | 3.769 | 1.    | 5.5   | 1.    |
| %RSD | 161.0 | .0740 | .5701 | .1047 |

|    |        |       |       |       |
|----|--------|-------|-------|-------|
| #1 | 5.007  | 1066. | 963.3 | 1112. |
| #2 | -.3240 | 1065. | 955.5 | 1113. |

|        |         |         |         |         |
|--------|---------|---------|---------|---------|
| Errors | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| Value  |         |         |         |         |
| Range  |         |         |         |         |

| IntStd | 1        | 2        | 3       | 4       | 5       | 6       | 7       |
|--------|----------|----------|---------|---------|---------|---------|---------|
| Mode   | Counts   | Time     | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem   | Y        | --       | --      | --      | --      | --      | --      |
| Wavlen | 371.030  | --       | --      | --      | --      | --      | --      |
| Avge   | 758      | 1000     | --      | --      | --      | --      | --      |
| SDev   | 1.414257 | .0000000 | --      | --      | --      | --      | --      |
| %RSD   | .1865517 | .0000000 | --      | --      | --      | --      | --      |
| #1     | 757      | 1000     | --      | --      | --      | --      | --      |
| #2     | 759      | 1000     | --      | --      | --      | --      | --      |

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Analysis Report      QC Standard      Sat 03-09-96 03:22:52 AM      page 1

Method: CLPSUE      Sample Name: CRI

Operator:

Run Time: 03/09/96 03:17:33

Comment:

Mode: CONC      Corr. Factor: 1

| Elem  | Ag3280   | Al3082   | Ba4934   | Be3130   | Ca3179   | Cd2265   | Co2286   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | 12.72    | 170.4    | .1374    | 10.21    | 125.5    | 10.82    | 104.0    |
| SDev  | .17      | 17.1     | .0126    | .01      | 14.7     | .00      | .1       |
| %RSD  | 1.321    | 10.04    | 9.147    | .0506    | 11.69    | .0166    | .1152    |

|    |       |       |       |       |       |       |       |
|----|-------|-------|-------|-------|-------|-------|-------|
| #1 | 12.60 | 182.5 | .1285 | 10.22 | 135.9 | 10.82 | 103.9 |
| #2 | 12.84 | 158.3 | .1462 | 10.21 | 115.1 | 10.82 | 104.0 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | QC Pass | NOCHECK | NOCHECK | QC Pass | NOCHECK | NOCHECK | NOCHECK |
| Value  | 20.00   |         |         | 10.00   |         |         |         |
| Range  | 50.00   |         |         | 50.00   |         |         |         |

| Elem  | Cr2677   | Cu3247   | Fe2714   | K_7664   | Mg2790   | Mn2576   | Mo2020   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | 20.34    | 53.09    | 93.28    | -9.200   | 192.9    | 30.63    | 43.24    |
| SDev  | .136     | .03      | 12.10    | 2.011    | 14.5     | .02      | .30      |
| %RSD  | 1.767    | .0567    | 12.97    | 21.86    | 7.532    | .0730    | .6860    |

|    |       |       |       |        |       |       |       |
|----|-------|-------|-------|--------|-------|-------|-------|
| #1 | 20.60 | 53.37 | 101.8 | -10.62 | 203.2 | 30.65 | 43.44 |
| #2 | 20.09 | 53.11 | 84.72 | -7.778 | 182.7 | 30.62 | 43.03 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | NOCHECK | QC Pass | NOCHECK | NOCHECK | NOCHECK | QC Pass | NOCHECK |
| Value  |         | 50.00   |         |         |         | 30.00   |         |
| Range  |         | 50.00   |         |         |         | 50.00   |         |

| Elem  | Ni3302   | Ni2316   | Ti1908   | V_2924   | Zn2138   | Pb2203   | Se1960   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | -55.40   | 82.67    | 21.24    | 104.3    | 34.44    | 7.017    | 10.47    |
| SDev  | 82.85    | .00      | .38      | .2       | .01      | 1.602    | .28      |
| %RSD  | 149.5    | .0013    | 1.780    | .1738    | .0230    | 22.82    | 2.653    |

|    |        |       |       |       |       |       |       |
|----|--------|-------|-------|-------|-------|-------|-------|
| #1 | -114.0 | 82.67 | 20.97 | 104.7 | 34.45 | 8.150 | 10.28 |
| #2 | 3.184  | 82.67 | 21.50 | 104.9 | 34.44 | 5.835 | 10.67 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | NOCHECK | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass |
| Value  |         | 80.00   | 20.00   | 100.0   | 40.00   | 6.000   | 10.00   |
| Range  |         | 50.00   | 50.00   | 50.00   | 50.00   | 50.00   | 50.00   |

| Elem  | Sb2068   | As1890   | 22031    | 22032    | 20681    | 20682    | 19601    |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | 124.2    | 19.87    | 6.684    | 7.169    | 125.2    | 123.7    | 12.26    |
| SDev  | 1.2      | 2.51     | 2.209    | 1.298    | 1.5      | 1.1      | 4.20     |
| %RSD  | .9994    | 12.61    | 33.05    | 18.11    | 1.172    | .9125    | 34.23    |

|    |       |       |       |       |       |       |       |
|----|-------|-------|-------|-------|-------|-------|-------|
| #1 | 123.3 | 21.64 | 8.245 | 8.087 | 124.1 | 122.9 | 15.22 |
| #2 | 125.1 | 18.10 | 5.122 | 6.251 | 126.2 | 124.5 | 9.289 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | QC Pass | QC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| Value  | 120.0   | 20.00   |         |         |         |         |         |
| Range  | 50.00   | 50.00   |         |         |         |         |         |

| Elem  | 19602    | Sn1899   | Ti3349   | Ri2230   |
|-------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter |

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|      |       |       |       |       |
|------|-------|-------|-------|-------|
| Avge | 9.567 | 43.62 | 15.65 | 298.6 |
| SDev | 2.511 | 1.51  | .60   | .4    |
| SRSD | 26.25 | 3.464 | 3.837 | .1461 |

|    |       |       |       |       |
|----|-------|-------|-------|-------|
| #1 | 7.792 | 42.55 | 15.23 | 298.3 |
| #2 | 11.34 | 44.68 | 16.08 | 299.0 |

|        |         |         |         |         |
|--------|---------|---------|---------|---------|
| Errors | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| Value  |         |         |         |         |
| Range  |         |         |         |         |

| IntStd | 1        | 2        | 3       | 4       | 5       | 6       | 7       |
|--------|----------|----------|---------|---------|---------|---------|---------|
| Mode   | Counts   | Time     | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem   | Y        | --       | --      | --      | --      | --      | --      |
| Wavlen | 371.030  | --       | --      | --      | --      | --      | --      |
| Avge   | 889      | 1000     | --      | --      | --      | --      | --      |
| SDev   | 1.414257 | .0000000 | --      | --      | --      | --      | --      |
| SRSD   | .1591118 | .0000000 | --      | --      | --      | --      | --      |
| #1     | 882      | 1000     | --      | --      | --      | --      | --      |
| #2     | 890      | 1000     | --      | --      | --      | --      | --      |

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Analysis Report      QC Standard      Sat 03-09-96 03:28:18 AM      page 1

Method: CLPSUE      Sample Name: CCVA  
 Run Time: 03/09/96 03:22:59  
 Comment: CCV CVS1  
 Mode: CONC      Corr. Factor: 1

Operator:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | Ba4934   | Be3130   | Ca3179   | Cd2265   | Co2286   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg    | 103.4    | 2090.    | 1023.    | 1018.    | 50020.   | 992.3    | 1012.    |
| SDev   | .1       | 20.      | 1.       | 1.       | 7.       | 1.3      | 1.       |
| %RSD   | .0813    | .9351    | .0784    | .0874    | .0132    | .1293    | .1287    |
| #1     | 103.3    | 2076.    | 1024.    | 1019.    | 50020.   | 991.4    | 1013.    |
| #2     | 103.4    | 2103.    | 1023.    | 1018.    | 50030.   | 993.2    | 1011.    |
| Errors | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  |
| Value  | 100.0    | 2000.    | 1000.    | 1000.    | 50000.   | 1000.    | 1000.    |
| Range  | 10.50    | 10.50    | 10.50    | 10.50    | 10.50    | 10.50    | 10.50    |
| Elem   | Cr2677   | Cu3247   | Fe2714   | K_7664   | Mg2790   | Mn2576   | Mo2020   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg    | 996.6    | 1045.    | 2034.    | 48830.   | 50510.   | 996.6    | 1024.    |
| SDev   | .7       | 2.       | 9.       | 52.      | 10.      | .7       | 1.       |
| %RSD   | .0749    | .1721    | .4343    | .1066    | .0201    | .0681    | .0599    |
| #1     | 996.6    | 1045.    | 2028.    | 48790.   | 50520.   | 996.6    | 1023.    |
| #2     | 996.6    | 1046.    | 2041.    | 48870.   | 50510.   | 996.6    | 1024.    |
| Errors | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  |
| Value  | 1000.    | 1000.    | 2000.    | 50000.   | 50000.   | 1000.    | 1000.    |
| Range  | 10.50    | 10.50    | 10.50    | 10.50    | 10.50    | 10.50    | 10.50    |
| Elem   | Na3302   | Ni2316   | Tl1908   | V_2924   | Zn2138   | Pb2203   | Se1960   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg    | 50140.   | 997.2    | 1063.    | 1021.    | 1023.    | 1025.    | 1052.    |
| SDev   | 10.      | 1.       | 1.       | 1.       | 1.       | 1.       | 2.       |
| %RSD   | .0208    | .0102    | .0521    | .0121    | .0034    | .0585    | .1448    |
| #1     | 50130.   | 997.2    | 1064.    | 1021.    | 1023.    | 1024.    | 1053.    |
| #2     | 50150.   | 997.3    | 1063.    | 1021.    | 1023.    | 1025.    | 1051.    |
| Errors | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  |
| Value  | 50000.   | 1000.    | 1000.    | 1000.    | 1000.    | 1000.    | 1000.    |
| Range  | 10.50    | 10.50    | 10.50    | 10.50    | 10.50    | 10.50    | 10.50    |
| Elem   | Sb2068   | As1890   | 22031    | 22032    | 20681    | 20682    | 19601    |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg    | 1032.    | 1045.    | 1027.    | 1024.    | 1030.    | 1034.    | 1055.    |
| SDev   | .        | 2.       | .        | 1.       | 2.       | 1.       | .        |
| %RSD   | .0249    | .2255    | .0455    | .0650    | .1527    | .1132    | .0019    |
| #1     | 1032.    | 1047.    | 1027.    | 1023.    | 1031.    | 1033.    | 1055.    |
| #2     | 1033.    | 1043.    | 1027.    | 1024.    | 1029.    | 1035.    | 1055.    |
| Errors | QC Pass  | QC Pass  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  |
| Value  | 1000.    | 1000.    |          |          |          |          |          |
| Range  | 10.50    | 10.50    |          |          |          |          |          |
| Elem   | 19602    | Sn1899   | Ti3349   | Bi2230   |          |          |          |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter |          |          |          |

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Analysis Report

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|        |         |         |         |         |
|--------|---------|---------|---------|---------|
| Avge   | 1050.   | 1028.   | 999.3   | 1041.   |
| SDev   | 2.      | 1.      | 1.9     | 5.      |
| %RSD   | .2165   | .0557   | .1949   | .4330   |
| #1     | 1052.   | 1029.   | 1001.   | 1038.   |
| #2     | 1048.   | 1028.   | 997.9   | 1044.   |
| Errors | NOCHECK | QC Pass | QC Pass | QC Pass |
| Value  |         | 1000.   | 1000.   | 1000.   |
| Range  |         | 10.50   | 10.50   | 10.50   |

| IntStd | 1        | 2        | 3       | 4       | 5       | 6       | 7       |
|--------|----------|----------|---------|---------|---------|---------|---------|
| Mode   | Counts   | Time     | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem   | Y        | --       | --      | --      | --      | --      | --      |
| Wavlen | 371.030  | --       | --      | --      | --      | --      | --      |
| Avge   | 877      | 1000     | --      | --      | --      | --      | --      |
| SDev   | .8014510 | .0000000 | --      | --      | --      | --      | --      |
| %RSD   | .0913497 | .0000000 | --      | --      | --      | --      | --      |
| #1     | 877      | 1000     | --      | --      | --      | --      | --      |
| #2     | 878      | 1000     | --      | --      | --      | --      | --      |

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Analysis Report

QC Standard

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Method: CLPSUE

Sample Name: CCBA

Operator:

Run Time: 03/09/96 03:28:25

Comment: CCB

Mode: CONC Corr. Factor: 1

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | Ba4934   | Be3130   | Ca3179   | Cd2265   | Co2286   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg    | -.0891   | -18.88   | .3724    | .0483    | -30.00   | .4757    | .4598    |
| SDev   | .1260    | 5.02     | .0079    | .0136    | 1.04     | .0539    | .0063    |
| %RSD   | 141.4    | 26.57    | 2.120    | 28.11    | 3.451    | 11.33    | 1.375    |
| #1     | -.0000   | -15.33   | .3668    | .0387    | -29.27   | .4376    | .4553    |
| #2     | -.1782   | -22.42   | .3780    | .0579    | -30.74   | .5138    | .4642    |
| Errors | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  |
| Value  | .0000    | .0000    | .0000    | .0000    | .0000    | .0000    | .0000    |
| Range  | 10.00    | 200.0    | 200.0    | 5.000    | 500.0    | 5.000    | 50.00    |
| Elem   | Cr2677   | Cu3247   | Fe2714   | K_7664   | Hg2790   | Mn2576   | Mo2020   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg    | .1628    | .5509    | 7.581    | 3.356    | 34.00    | .3852    | .4465    |
| SDev   | .1225    | .2697    | .694     | 10.29    | 1.99     | .0740    | .5333    |
| %RSD   | 75.23    | 48.95    | 9.152    | 306.7    | 5.849    | 19.21    | 119.5    |
| #1     | .2494    | .3602    | 7.090    | 10.63    | 32.59    | .3329    | .8236    |
| #2     | .0762    | .7416    | 8.071    | -3.921   | 35.40    | .4375    | .0694    |
| Errors | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  | NOCHECK  |
| Value  | .0000    | .0000    | .0000    | .0000    | .0000    | .0000    |          |
| Range  | 10.00    | 25.00    | 100.0    | 5000.    | 5000.    | 15.00    |          |
| Elem   | Ns3302   | Ni2316   | Tl1938   | V_2924   | Zn2138   | Pb2203   | Se1960.  |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg    | -99.29   | .0922    | 1.627    | .2542    | -4.138   | .3687    | 1.085    |
| SDev   | 161.66   | .0855    | 2.227    | .1710    | .001     | .0934    | .546     |
| %RSD   | 162.6    | 93.65    | 121.9    | 67.28    | .0303    | 25.34    | 50.33    |
| #1     | 15.02    | .1533    | 3.402    | .3751    | -4.138   | .3026    | 1.472    |
| #2     | -213.6   | .0310    | .2526    | .1332    | -4.139   | .4347    | .6991    |
| Errors | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  |
| Value  | .0000    | .0000    | .0000    | .0000    | .0000    | .0000    | .0000    |
| Range  | 5000.    | 40.00    | 10.00    | 50.00    | 20.00    | 3.000    | 5.000    |
| Elem   | Sb2068   | As1890   | 22031    | 22032    | 20681    | 20682    | 19601    |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg    | .3830    | .4870    | -.7576   | .9177    | 1.235    | -.0555   | .1356    |
| SDev   | .9763    | 1.073    | .0131    | .1466    | 2.080    | 2.5023   | 3.549    |
| %RSD   | 255.0    | 220.3    | 1.726    | 15.98    | 168.5    | 4509.    | 2617.    |
| #1     | 1.073    | 1.246    | -.7483   | .8141    | -.2362   | 1.714    | 2.645    |
| #2     | -.3074   | -.2717   | -.7668   | 1.021    | 2.706    | -1.825   | -2.374   |
| Errors | QC Pass  | QC Pass  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  |
| Value  | .0000    | .0000    |          |          |          |          |          |
| Range  | 60.00    | 10.00    |          |          |          |          |          |
| Elem   | 19602    | Sn1899   | Ti3349   | Bi2230   |          |          |          |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter |          |          |          |

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Analysis Report

QC Standard

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|      |       |       |        |        |
|------|-------|-------|--------|--------|
| Avge | 1.546 | .4016 | -4.451 | -.6190 |
| SDev | .953  | 1.174 | 4.869  | .4702  |
| %RSD | 61.61 | 292.2 | 109.4  | 75.96  |

|    |       |        |        |        |
|----|-------|--------|--------|--------|
| #1 | .8727 | -.4283 | -1.009 | -.9514 |
| #2 | 2.220 | 1.232  | -7.894 | -.2865 |

|        |         |         |         |         |
|--------|---------|---------|---------|---------|
| Errors | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| Value  |         |         |         |         |
| Range  |         |         |         |         |

|        |          |          |         |         |         |         |         |
|--------|----------|----------|---------|---------|---------|---------|---------|
| IntStd | 1        | 2        | 3       | 4       | 5       | 6       | 7       |
| Mode   | Counts   | Time     | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem   | Y        | --       | --      | --      | --      | --      | --      |
| Wavlen | 371.030  | --       | --      | --      | --      | --      | --      |
| Avge   | 908      | 1000     | --      | --      | --      | --      | --      |
| SDev   | 2.310000 | .0000000 | --      | --      | --      | --      | --      |
| %RSD   | .2543842 | .0000000 | --      | --      | --      | --      | --      |
| #1     | 906      | 1000     | --      | --      | --      | --      | --      |
| #2     | 910      | 1000     | --      | --      | --      | --      | --      |

AR318912

### Trace ICP Runlog (P3)

Page 1 of 2

Date: 3/9/96

Method (Circle one.):

CLP 200.7  
SW-846 6010

Operator C. Y. ...  
Case Name: 31420/903, 32021/1  
File Name: CJ40309  
WSLNAME: P330953

| #  | Sample ID | Comments | Action Needed | #  | Sample ID  | Comments  | Action Needed |
|----|-----------|----------|---------------|----|------------|-----------|---------------|
|    | ICV       |          |               | 1  | 788063     |           |               |
|    | ICB       |          |               | 2  | ICSA       |           |               |
|    | ICSAI     |          |               | 3  | ICSA B     |           |               |
|    | ICSABI    |          |               | 4  | CEI        |           |               |
|    | P3CR11    |          |               | 5  | CCV        |           |               |
|    | CCV       |          |               | 6  | CCB        |           |               |
|    | CCB       |          |               | 7  |            |           |               |
| 1  | 788039    | SOT 1:5  |               | 8  |            |           |               |
| 2  | 788041    |          |               | 9  |            |           |               |
| 3  | 788043    |          |               | 10 |            |           |               |
| 4  | 788044    |          |               |    | CCV        |           |               |
| 5  | 788045    |          |               |    | CCB        |           |               |
| 6  | 788046    |          |               | 1  | 788512     | PB 783746 |               |
| 7  | 788050    |          |               | 2  | 783746     | LESS      |               |
| 8  | 788056    |          |               | 3  | 783746     | LESS 1:5  |               |
| 9  | 788057    |          |               | 4  | 783743     |           |               |
| 10 | 788058    |          |               | 5  | 783745     | dup       |               |
|    | CCV       |          |               | 6  | 783744     | spn.      |               |
|    | CCB       |          |               | 7  | SOT 783743 | 1:5       |               |
|    |           |          |               | 8  | 783747     |           |               |
|    |           |          |               | 9  | 783748     |           |               |
|    |           |          |               | 10 | 783749     |           |               |
|    |           |          |               |    | CCV        |           |               |
|    |           |          |               |    | CCB        |           |               |

COMMENTS:

Reviewed by: [Signature]

Date: 3/11/96

AR318913



### Trace ICP Runlog (P3)

Page 2 of 2

Date: 3/9/96

Method (Circle one.):

CLP 200.7  
SW-846 6010

Operator C. Yandell  
Case Name: SAME  
File Name: \_\_\_\_\_  
WSL.NAME: \_\_\_\_\_

| #  | Sample ID      | Comments                  | Action Needed | #  | Sample ID | Comments        | Action Needed |
|----|----------------|---------------------------|---------------|----|-----------|-----------------|---------------|
|    | ICV            |                           |               | 1  |           |                 |               |
|    | ICB            |                           |               | 2  |           |                 |               |
|    | ICSAI          |                           |               | 3  |           |                 |               |
|    | ICSABI         | <u>01/19/96</u>           |               | 4  |           |                 |               |
|    | P3CR11         | <u>21</u>                 |               | 5  |           |                 |               |
|    | CCV            |                           |               | 6  |           |                 |               |
|    | CCB            |                           |               | 7  |           |                 |               |
| 1  | <del>ICV</del> |                           |               | 8  |           |                 |               |
| 2  | ICSA           | <u>183743 PDS sbe 130</u> |               | 9  |           |                 |               |
| 3  | ICSA B         |                           |               | 10 |           |                 |               |
| 4  | ICR I          |                           |               |    | CCV       |                 |               |
| 5  |                |                           |               |    | CCB       | <u>01/19/96</u> |               |
| 6  |                |                           |               | 1  |           |                 |               |
| 7  |                |                           |               | 2  |           |                 |               |
| 8  |                | <u>01/19/96</u>           |               | 3  |           |                 |               |
| 9  |                |                           |               | 4  |           |                 |               |
| 10 |                |                           |               | 5  |           |                 |               |
|    | CCV            |                           |               | 6  |           |                 |               |
|    | CCB            |                           |               | 7  |           |                 |               |
|    |                |                           |               | 8  |           |                 |               |
|    |                |                           |               | 9  |           |                 |               |
|    |                |                           |               | 10 |           |                 |               |
|    |                |                           |               |    | CCV       |                 |               |
|    |                |                           |               |    | CCB       |                 |               |

COMMENTS:

Reviewed by: [Signature]

Date: 3/11/96

AR318914

Standards/QC Preparation for ICAP P3 1 of 5

| Item to be prepared           | Preparation Instructions*  | Prepared by | Date   |
|-------------------------------|--|-------------|--------|
| Standard blank (SO, ICB, CCB) | <p>Place in a 200-ml volumetric flask:</p> <ul style="list-style-type: none"> <li>100 ml of deionized water</li> <li>2.0 ml of concentrated HNO<sub>3</sub> (Baker Instra-analyzed Trace Metals grade, Reif#: <u>7M2-202-15</u>)</li> <li>20 ml of 1:1 HCl (Baker Instra-analyzed Trace Metals grade, Reif#: <u>7M2-201-13</u>)</li> </ul> <p>Bring up to volume with deionized water. Prepare daily.</p>  | gg          | 3/9/96 |
| Standard XCL-11 (S)           | <p>Place in a 100-ml volumetric flask:</p> <ul style="list-style-type: none"> <li>50 ml of deionized water</li> <li>1.0 ml of concentrated HNO<sub>3</sub> (Baker Instra-analyzed Trace Metals grade, Reif#: <u>7M2-202-15</u>)</li> <li>Pipet 0.2 ml XCL-11 (Reif#: <u>7M2-197-15</u>) into flask.</li> <li>Add 10 ml of 1:1 HCl (Baker Instra-analyzed Trace Metals grade, Reif#: <u>7M2-201-13</u>)</li> </ul> <p>Bring up to volume with deionized water. Prepare daily.</p> | gg          | 3/9/96 |
| Standard XCL-2 (S)            | <p>Place in a 100-ml volumetric flask:</p> <ul style="list-style-type: none"> <li>50 ml of deionized water</li> <li>1.0 ml of concentrated HNO<sub>3</sub> (Baker Instra-analyzed Trace Metals grade, Reif#: <u>7M2-202-15</u>)</li> <li>10 ml of 1:1 HCl (Baker Instra-analyzed Trace Metals grade, Reif#: <u>7M2-201-13</u>)</li> <li>Pipet 0.2 ml of XCL-2 (Reif#: <u>7M2-197-16</u>) into flask.</li> </ul> <p>Bring up to volume with deionized water. Prepare daily.</p>   | gg          | 3/9/96 |
| Standard XCL-3A               | <p>Place in a 100-ml volumetric flask:</p> <ul style="list-style-type: none"> <li>50 ml of deionized water</li> <li>1.0 ml of concentrated HNO<sub>3</sub> (Baker Instra-analyzed Trace Metals grade, Reif#: <u>7M2-202-15</u>)</li> <li>10 ml of 1:1 HCl (Baker Instra-analyzed Trace Metals grade, Reif#: <u>7M2-201-13</u>)</li> <li>Pipet 1.0 ml XCL-3A (Reif#: <u>7M2-201-13</u>) into flask.</li> </ul> <p>Bring up to volume with deionized water. Prepare daily.</p>     | gg          | 3/9/96 |

\*1.0 ml of yttrium (Reif: 7M2-200-10) / 100 ml was added to each solution as internal standard.

Reviewed by: [Signature] Date: 3/11/96

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| Item to be prepared   | Preparation Instructions   | Prepared by              | Date                                   |
|-----------------------|--|--------------------------|--|
| Standard PLSB2-2X (S) | <p>Place in a 100-ml volumetric flask:</p> <ul style="list-style-type: none"> <li>50 ml of deionized water</li> <li>1.0 ml of concentrated HNO<sub>3</sub> (Baker Instra-analyzed Trace Metals grade, Ref#: <u>7m2-202-15</u>)</li> <li>0.2 ml of Sn (Ref#: <u>7m2-197-1</u>)</li> <li>0.2 ml of Bi (Ref#: <u>7m2-200-1</u>)</li> <li>0.2 ml of Ti (Ref#: <u>7m2-199-5</u>)</li> <li>0.2 ml of Zr (Ref#: <u>OR</u>)</li> <li>0.2 ml of Sb (Ref#: <u>7m2-198-2</u>)</li> <li>10 ml of 1:1 HCl (Baker Instra-analyzed Trace Metals grade, Ref#: <u>7m2-201-12</u>)</li> </ul> <p>Bring up to volume with deionized water. Prepare daily.</p>   | <p>AKK<br/>B 2/17/76</p> | <p>2/17/76<br/>2/17/76<br/>2/17/76</p> |
| Standard STD3         | <p>Place in a 100-ml volumetric flask:</p> <ul style="list-style-type: none"> <li>50 ml of deionized water</li> <li>1.0 ml of concentrated HNO<sub>3</sub> (Baker Instra-analyzed Trace Metals grade, Ref#: <u>7m2-202-15</u>)</li> <li>10 ml of 1:1 HCl (Baker Instra-analyzed Trace Metals grade, Ref#: <u>7m2-201-12</u>)</li> <li>1.0 ml of 10,000-ppm Al standard (Ref#: <u>7m2-201-4</u>)</li> <li>0.5 ml of 10,000-ppm Fe standard (Ref#: <u>7m2-201-6</u>)</li> <li>1.0 ml of 10,000-ppm Mg standard (Ref#: <u>7m2-201-7</u>)</li> <li>1.0 ml of 10,000-ppm Ca standard (Ref#: <u>7m2-201-5</u>)</li> </ul> <p>Bring up to volume with deionized water. Prepare daily.</p> | <p>BB</p>                | <p>2/17/76</p>                         |

\*1.0 ml of yttrium (Ref#: 7m2-200-10) / 100 ml was added to each solution as internal standard.

Reviewed by: [Signature] Date: 2/16/76

## COMPUCHEM ENV. CORP. LOGBOOK 10000 13

1909

| Item to be prepared | Preparation instructions*  | Prepared by | Date   |
|---------------------|--|-------------|--------|
| CCV Solution (CVS1) | <p>Place in a 200-ml volumetric flask:</p> <ul style="list-style-type: none"> <li>• 100 ml of deionized water</li> <li>• 2.0 ml of concentrated HNO<sub>3</sub> (Baker Instra-analyzed Trace Metals grade, Ref#: <u>7M2-202-15</u>)</li> <li>• 20 ml of 1:1 HCl (Baker Instra-analyzed Trace Metals grade, Ref#: <u>7M2-201-12</u>)</li> <li>• 0.2 ml of Sb (Ref#: <u>7M2-198-2</u>)</li> <li>• 0.2 ml of Sn (Ref#: <u>7M2-177-1</u>)</li> <li>• 0.2 ml of Bi (Ref#: <u>7M2-20-1</u>)</li> <li>• 0.2 ml of Tl (Ref#: <u>7M2-171-15</u>)</li> <li>• 0.02 ml of Al (Ref#: <u>7M2-20-4</u>)</li> <li>• 0.02 ml of Fe (Ref#: <u>7M2-20-6</u>)</li> <li>• Pipet 0.2 ml of XCL-2 (Ref#: <u>7M2-17-16</u>) into flask</li> <li>• Pipet 0.2 ml of XCL-11 (Ref#: <u>7M2-17-15</u>) into flask.</li> <li>• Pipet 1.0 ml of XCL-3A (Ref#: <u>7M2-17-14</u>) into flask.</li> </ul> <p>Bring up to volume with deionized water. Place solution in an acid-washed Teflon bottle. Prepare as needed.</p> | AKL         | 3/8/96 |
| ICV1 Solution       | <p>Place in a 200-ml volumetric flask:</p> <ul style="list-style-type: none"> <li>• 100 ml of deionized water</li> <li>• 2.0 ml of concentrated HNO<sub>3</sub> (Baker Instra-analyzed Trace Metals grade, Ref#: <u>7M2-202-15</u>)</li> <li>• 20 ml of 1:1 HCl (Baker Instra-analyzed Trace Metals grade, Ref#: <u>7M2-201-12</u>)</li> <li>• Pipet 20.0 ml of ICV1 (Ref#: <u>7M2-173-3</u>) into flask.</li> </ul> <p>Bring up to volume with deionized water. Place solution in an acid-washed Teflon bottle. Prepare as needed.</p>  | AKL         | 3/8/96 |
| ICV3 Solution       | <p>Place in a 200-ml volumetric flask:</p> <ul style="list-style-type: none"> <li>• 100 ml of deionized water</li> <li>• 2.0 ml of concentrated HNO<sub>3</sub> (Baker Instra-analyzed Trace Metals grade, Ref#: <u>7M2-202-15</u>)</li> <li>• 20 ml of 1:1 HCl (Baker Instra-analyzed Trace Metals grade, Ref#: <u>7M2-201-12</u>)</li> <li>• Pipet:             <ul style="list-style-type: none"> <li>• 20.0 ml of ICV3 (Ref#: <u>7M2-153-2</u>)</li> <li>• 20.0 ml of ICV2 (Ref#: <u>7M2-153-1</u>), and 20.0 ml of ICV4 (Ref#: <u>7M2-153-5</u>) into flask.</li> </ul> </li> </ul> <p>Bring up to volume with deionized water. Place solution in an acid-washed Teflon bottle. Prepare as needed.</p>  | AKL         | 3/7/96 |

Reviewed by: [Signature] Date: 3/11/96

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BOOK IQQQQ 13

1910

| Name to be prepared            | Preparation Instructions*  | Prepared by | Date    |
|--------------------------------|--|-------------|---------|
| SPEXAS solution                | Place in a 200-ml volumetric flask:<br>• 100 ml of deionized water<br>• 2.0 ml of concentrated HNO <sub>3</sub> (Baker Instra-analyzed Trace Metals grade, Ref#: <u>7M2-201-11</u> )<br>• 20 ml of 1:1 HCl (Baker Instra-analyzed Trace Metals grade, Ref#: <u>7M2-201-12</u> )<br>• Pipet 0.2 ml of Sn (Ref#: <u>7M2-197-2</u> ) into flask.<br>• Pipet 0.2 ml of Bi (Ref#: <u>7M2-197-10</u> ) into flask.<br>• Pipet 0.2 ml of Tl (Ref#: <u>7M2-197-8</u> ) into flask.<br>• Pipet 0.2 ml of Mo (Ref#: <u>7M2-186-2</u> ) into flask.<br>Bring up to volume with deionized water. Place solution in an acid-washed Teflon bottle. Prepare as needed.  | AKL         | 3/5/96  |
| Intercheck Solution A (ICSA)   | Place in a 200-ml volumetric flask:<br>• 100 ml of deionized water<br>• 2.0 ml of concentrated HNO <sub>3</sub> (Baker Instra-analyzed Trace Metals grade, Ref#: <u>7M2-202-15</u> )<br>• 20 ml of 1:1 HCl (Baker Instra-analyzed Trace Metals grade, Ref#: <u>7M2-201-12</u> )<br>• Pipet 20.0 ml ICSA (Ref#: <u>7M2-202-6</u> ) into flask.<br>Bring up to volume with deionized water. Place solution in an acid-washed Teflon bottle.  | DMH         | 2/16/96 |
| Intercheck Solution AB (ICBAB) | Place in a 200-ml volumetric flask:<br>• 50 ml of deionized water<br>• 1.0 ml of concentrated HNO <sub>3</sub> (Baker Instra-analyzed Trace Metals grade, Ref#: <u>7M2-201-11</u> )<br>• 10 ml of 1:1 HCl (Baker Instra-analyzed Trace Metals grade, Ref#: <u>7M2-201-12</u> )<br>• Pipet 20.0 ml ICSA (Ref#: <u>7M2-202-6</u> ) into flask.<br>• Pipet 20.0 ml ICSB (Ref#: <u>7M2-202-7</u> ) into flask.<br>Pipet:<br>• <u>0.2</u> ml Bi 1000 standard (Ref#: <u>7M2-200-1</u> ) into flask.<br>• <u>0.2</u> ml Sn 1000 standard (Ref#: <u>7M2-197-7</u> ) into flask.<br>• <u>0.2</u> ml Tl 1000 standard (Ref#: <u>7M2-197-8</u> ) into flask.<br>• <u>0.2</u> ml Mo 1000 standard (Ref#: <u>7M2-186-2</u> ) into flask.<br>Bring up to volume with deionized water. | AKL         | 3/5/96  |

\*1.0 ml of yttrium (Ref#: 7M2-200-10) / 100 ml was added to each solution as an internal standard.

Reviewed by: [Signature] Date: 3/11/96

AR318918

| Item to be prepared    | Preparation Instructions  | Prepared by | Date   |
|------------------------|---|-------------|--------|
| CR1 Solution           | <p>Place in a 200-ml volumetric flask:</p> <ul style="list-style-type: none"> <li>100 ml of deionized water</li> <li>2.0 ml of concentrated HNO<sub>3</sub> (Baker Instra-analyzed Trace Metals grade, Reif#: <u>MM2-202-15</u>)</li> <li>20 ml of 1:1 HCl (Baker Instra-analyzed Trace Metals grade, Reif#: <u>MM2-201-12</u>)</li> </ul> <p>Pipet:</p> <ul style="list-style-type: none"> <li>0.20 CRDL-1 (Reif#: <u>MM2-197-5</u>) into flask.</li> <li>0.04 ml BI 1000 standard (Reif#: <u>MM2-202-15</u>) into flask.</li> <li>0.08 ml Sn 1000 standard (Reif#: <u>MM2-197-5</u>) into flask.</li> <li>0.08 ml Mo 1000 standard (Reif#: <u>MM2-197-5</u>) into flask.</li> <li>0.04 ml Li 1000 standard (Reif#: <u>NR</u>) into flask.</li> <li>0.04 ml Ti 1000 standard (Reif#: <u>MM2-197-5</u>) into flask.</li> <li>0.04 ml Al 1000 standard (Reif#: <u>NR</u>) into flask.</li> <li>0.04 ml Pb 1000 standard (Reif#: <u>NR</u>) into flask.</li> </ul> <p>Bring up to volume with deionized water. Place solution in an acid-washed Teflon bottle. Prepare as needed.</p> | AKL         | 3/7/96 |
| Dissolved Metals only: |   | NR          | NR     |
| LCS                    | <p>Add 1.0 ml of LCSW solution (Reif#: <u>NR</u>) to 9.0 ml of acidified water (1% HNO<sub>3</sub> [Baker Instra-analyzed Trace Metals grade, Reif#: <u>NR</u>] + 5% HCl [Baker Instra-analyzed Trace Metals grade, Reif#: <u>NR</u>]).</p>   | NR          | NR     |
| Prep Blank             | <p>Use acidified water (1% HNO<sub>3</sub> [Baker Instra-analyzed Trace Metals grade, Reif#: <u>NR</u>] + 5% HCl [Baker Instra-analyzed Trace Metals grade, Reif#: <u>NR</u>]).</p>   | NR          | NR     |
| Sample Spike           | <p>Add 0.1 ml of XCL-19 (Reif#: <u>NR</u>) to 10.0 ml of sample.</p>  |             |        |

1.0 ml of yttrium (Reif#: MM2-200-10) / 100 ml was added to each solution as an internal standard

Reviewed by: [Signature] Date: 3/11/96

Standardization Rpt.

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page 1

Method: CLPSUE

Standard: BLANK

|      |        |        |        |        |        |        |        |
|------|--------|--------|--------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3082 | Ba4934 | Be3130 | Ca3179 | Cd2265 | Co2286 |
| Avg  | -.0215 | 7.843  | .0981  | 1.113  | .0614  | -.0649 | .0011  |
| SDev | .0092  | .030   | .0065  | .003   | .0009  | .0487  | .0143  |
| %RSD | 42.76  | .3787  | 6.672  | .2598  | 1.467  | 75.14  | 1287.  |
| #1   | -.0280 | 7.822  | .1027  | 1.111  | .0621  | -.0993 | -.0090 |
| #2   | -.0150 | 7.864  | .0934  | 1.115  | .0608  | -.0304 | .0113  |
| Elem | Cr2677 | Cu3247 | Fe2714 | K_7664 | Mg2790 | Mn2576 | Mo2020 |
| Avg  | .0096  | .4260  | -.0113 | .3049  | .0147  | .0017  | .0180  |
| SDev | .0040  | .0014  | .0032  | .0029  | .0016  | .0008  | .0350  |
| %RSD | 41.75  | .3320  | 28.12  | .9543  | 11.05  | 46.99  | 194.6  |
| #1   | .0124  | .4250  | -.0090 | .3070  | .0158  | .0011  | -.0068 |
| #2   | .0068  | .4270  | -.0135 | .3029  | .0135  | .0023  | .0428  |
| Elem | Na3302 | Ni2316 | Tl1908 | V_2924 | Zn2138 | As1890 | Zr2031 |
| Avg  | .0462  | -.0090 | -.1882 | -.0017 | .0045  | -.2123 | 1.078  |
| SDev | .0128  | .0048  | .0220  | .0008  | .0000  | .1758  | .129   |
| %RSD | 27.76  | 52.89  | 11.69  | 46.99  | .1701  | 82.79  | 12.00  |
| #1   | .0553  | -.0056 | -.1727 | -.0011 | .0045  | -.0880 | 1.169  |
| #2   | .0372  | -.0124 | -.2038 | -.0023 | .0045  | -.3366 | .9863  |
| Elem | Pb2032 | Pb2061 | Pb2062 | Pb2060 | Pb2062 | Pb2060 | Pb2060 |
| Avg  | -.0540 | -.1383 | -.0006 | -.2530 | .4948  | .0124  | -.3771 |
| SDev | .1131  | .2545  | .0933  | .0275  | .0852  | .0239  | .0014  |
| %RSD | 209.4  | 184.0  | 14510. | 10.85  | 17.23  | 192.7  | .3814. |
| #1   | .0260  | -.3183 | -.0556 | -.2336 | .4345  | .0298  | -.3791 |
| #2   | -.1340 | .0417  | .0653  | -.2725 | .5551  | -.0045 | -.3761 |
| Elem | Pb2230 |        |        |        |        |        |        |
| Avg  | .0778  |        |        |        |        |        |        |
| SDev | .0512  |        |        |        |        |        |        |
| %RSD | 65.72  |        |        |        |        |        |        |
| #1   | .1140  |        |        |        |        |        |        |
| #2   | .0417  |        |        |        |        |        |        |

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Standardization Rpt.

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| IntStd | 1        | 2        | 3       | 4       | 5       | 6       | 7       |
|--------|----------|----------|---------|---------|---------|---------|---------|
| Mode   | Counts   | Time     | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem   | Y        | --       | --      | --      | --      | --      | --      |
| Wavlen | 371.030  | --       | --      | --      | --      | --      | --      |
| Avge   | 887      | 1000     | --      | --      | --      | --      | --      |
| SDev   | 1.508558 | .0000000 | --      | --      | --      | --      | --      |
| %RSD   | .1700529 | .0000000 | --      | --      | --      | --      | --      |
| #1     | 886      | 1000     | --      | --      | --      | --      | --      |
| #2     | 888      | 1000     | --      | --      | --      | --      | --      |

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Standardization Rpt.

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page 1

Method: CLPSUE

Standard: XCL-11

|      |        |        |        |        |        |        |        |
|------|--------|--------|--------|--------|--------|--------|--------|
| Elem | Ag3280 | Cd2265 | Cr2677 | Cu3247 | Ni2316 | Tl1908 | Zn2138 |
| Avgc | 17.48  | 1107.  | 39.28  | 96.85  | 36.91  | 51.29  | 27.88  |
| SDev | .02    |        | .12    | .06    | .05    | .07    | .05    |
| %RSD | .1092  | .0319  | .2931  | .0635  | .1472  | .1384  | .1960  |

|    |       |       |       |       |       |       |       |
|----|-------|-------|-------|-------|-------|-------|-------|
| #1 | 17.46 | 1107. | 39.20 | 96.90 | 36.87 | 51.24 | 27.84 |
| #2 | 17.49 | 1107. | 39.36 | 96.81 | 36.95 | 51.34 | 27.92 |

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| Elem | 22031 | 22032 | 19601 | 19602 |
| Avgc | 376.1 | 242.1 | 50.13 | 95.36 |
| SDev | 1.1   | 1.1   | .06   | .45   |
| %RSD | .3027 | .4398 | .1232 | .4716 |

|    |       |       |       |       |
|----|-------|-------|-------|-------|
| #1 | 375.2 | 241.4 | 50.09 | 95.68 |
| #2 | 376.9 | 242.9 | 50.18 | 95.04 |

| IntStd | 1        | 2        | 3       | 4       | 5       | 6       | 7       |
|--------|----------|----------|---------|---------|---------|---------|---------|
| Mode   | Counts   | Time     | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem   | Y        |          |         |         |         |         |         |
| Wavlen | 271.030  |          |         |         |         |         |         |
| Avgc   | 900      | 1000     |         |         |         |         |         |
| SDev   | .1886001 | .0000000 |         |         |         |         |         |
| %RSD   | .0209563 | .0000000 |         |         |         |         |         |
| #1     | 900      | 1000     |         |         |         |         |         |
| #2     | 900      | 1000     |         |         |         |         |         |

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Standardization Rpt.

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Method: CLPSUE

Standard: STD3

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| Elem | Al3082 | Ca3179 | Fe2714 | Mg2790 |
| Avge | 1368.  | 226.9  | 56.08  | 224.7  |
| SDev | 1.     | .2     | .04    | .1     |
| %RSD | .0641  | .0805  | .0649  | .0347  |

|    |       |       |       |       |
|----|-------|-------|-------|-------|
| #1 | 1369. | 227.0 | 56.05 | 224.8 |
| #2 | 1368. | 226.8 | 56.11 | 224.7 |

| IntStd | 1        | 2        | 3       | 4       | 5       | 6       | 7       |
|--------|----------|----------|---------|---------|---------|---------|---------|
| Mode   | Counts   | Time     | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem   | Y        | --       | --      | --      | --      | --      | --      |
| Wavlen | 371.030  | --       | --      | --      | --      | --      | --      |
| Avge   | 858      | 1000     | --      | --      | --      | --      | --      |
| SDev   | .8485799 | .0000000 | --      | --      | --      | --      | --      |
| %RSD   | .0977428 | .0000000 | --      | --      | --      | --      | --      |
| #1     | 858      | 1000     | --      | --      | --      | --      | --      |
| #2     | 858      | 1000     | --      | --      | --      | --      | --      |

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Standardization Rpt.

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Method: CLPSUE

Standard: XCL-2

|        |          |          |         |         |         |         |         |
|--------|----------|----------|---------|---------|---------|---------|---------|
| Elem   | Ba4934   | Be3130   | Co2286  | Mn2576  | Mo2020  | V_2924  | As1890  |
| Avg    | 481.6    | 1345.    | 188.4   | 61.80   | 215.7   | 18.17   | 188.5   |
| SDev   | .4       | 3.       | .1      | .08     | .2      | .02     | .4      |
| %RSD   | .0916    | .2311    | .0578   | .1281   | .1104   | .1039   | .2129   |
| #1     | 481.9    | 1343.    | 188.4   | 61.74   | 215.5   | 18.16   | 188.3   |
| #2     | 481.3    | 1347.    | 188.5   | 61.85   | 215.9   | 18.19   | 188.8   |
| IntStd | 1        | 2        | 3       | 4       | 5       | 6       | 7       |
| Mode   | Counts   | Time     | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem   | Y        | --       | --      | --      | --      | --      | --      |
| Wavlen | 371.030  | --       | --      | --      | --      | --      | --      |
| Avg    | 897      | 1000     | --      | --      | --      | --      | --      |
| SDev   | .2357310 | .0000000 | --      | --      | --      | --      | --      |
| %RSD   | .0262894 | .0000000 | --      | --      | --      | --      | --      |
| #1     | 897      | 1000     | --      | --      | --      | --      | --      |
| #2     | 897      | 1000     | --      | --      | --      | --      | --      |

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Standardization Rpt.

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Method: CLPSUE

Standard: XCL-3A

|      |        |        |
|------|--------|--------|
| Elem | K_7664 | Na3302 |
| Avge | 1227.  | 41.61  |
| SDev | 1.     | .01    |
| %RSD | .1046  | .0286  |

|    |       |       |
|----|-------|-------|
| #1 | 1228. | 41.62 |
| #2 | 1226. | 41.60 |

| IntStd | 1        | 2        | 3       | 4       | 5       | 6       | 7       |
|--------|----------|----------|---------|---------|---------|---------|---------|
| Mode   | Counts   | Time     | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem   | Y        | --       | --      | --      | --      | --      | --      |
| Wavlen | 371.030  | --       | --      | --      | --      | --      | --      |
| Avge   | 848      | 1000     | --      | --      | --      | --      | --      |
| SDev   | .8957089 | .0000000 | --      | --      | --      | --      | --      |
| %RSD   | .1055751 | .0000000 | --      | --      | --      | --      | --      |
| #1     | 849      | 1000     | --      | --      | --      | --      | --      |
| #2     | 848      | 1000     | --      | --      | --      | --      | --      |

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Standardization Rpt.

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Method: CLPSUE

Standard: PLSBR

|      |       |       |        |        |        |
|------|-------|-------|--------|--------|--------|
| Elem | 20681 | 20682 | Sn1899 | Ti3349 | Bi2230 |
| Avge | 238.8 | 111.2 | 26.37  | 133.6  | 234.8  |
| SDev | .3    | .2    | .12    | .3     | .1     |
| %RSD | .1115 | .1419 | .4631  | .2116  | .0222  |

|    |       |       |       |       |       |
|----|-------|-------|-------|-------|-------|
| #1 | 238.6 | 111.3 | 26.46 | 133.8 | 234.9 |
| #2 | 239.0 | 111.1 | 26.29 | 133.4 | 234.8 |

| IntStd | 1        | 2        | 3       | 4       | 5       | 6       | 7       |
|--------|----------|----------|---------|---------|---------|---------|---------|
| Mode   | Counts   | Time     | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem   | Y        | --       | --      | --      | --      | --      | --      |
| Wavlen | 371.030  | --       | --      | --      | --      | --      | --      |
| Avge   | 900      | 1000     | --      | --      | --      | --      | --      |
| SDev   | 4.195684 | .0000000 | --      | --      | --      | --      | --      |
| %RSD   | .4661120 | .0000000 | --      | --      | --      | --      | --      |
| #1     | 897      | 1000     | --      | --      | --      | --      | --      |
| #2     | 903      | 1000     | --      | --      | --      | --      | --      |

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Analysis Report      QC Standard      Sat 03-09-96 02:20:36 PM      page 1

Method: CLPSUE      Sample Name: ICV1      Operator:  
 Run Time: 03/09/96 14:15:15  
 Comment: ICV ICV1  
 Mode: CONC      Corr. Factor: 1

|       |          |          |          |          |          |          |          |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Elam  | Ag3280   | Al3082   | Ra4934   | Ba3130   | Ca3179   | Cd2265   | Co2286   |
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | 497.4    | 2029.    | 2043.    | 499.0    | 51620.   | 506.9    | 554.5    |
| SDev  | 1.1      | 2.       | .        | .4       | 18.      | .3       | .5       |
| SRSD  | .2275    | .0968    | .0164    | .0710    | .0350    | .0545    | .0934    |

|    |       |       |       |       |        |       |       |
|----|-------|-------|-------|-------|--------|-------|-------|
| #1 | 496.6 | 2027. | 2043. | 499.2 | 51630. | 507.1 | 554.8 |
| #2 | 498.2 | 2030. | 2043. | 498.7 | 51610. | 506.7 | 554.1 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass |
| Value  | 487.0   | 1956.   | 2009.   | 476.0   | 50710.  | 510.0   | 520.0   |
| Range  | 10.50   | 10.50   | 10.50   | 10.50   | 10.50   | 10.50   | 10.50   |

|       |          |          |          |          |          |          |          |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Elam  | Cr2677   | Cu3247   | Fe2714   | K_7864   | Mg2730   | Mn2576   | Mo2000   |
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | 488.2    | 510.3    | 2069.    | 48850.   | 24850.   | 494.0    | 1.2557   |
| SDev  | 1.0      | 1.9      | 5.       | 56.      | 5.       | .4       | 1.4435   |
| SRSD  | .0052    | .1724    | .2258    | .1355    | .0187    | .0684    | 796.5    |

|    |       |       |       |        |        |       |         |
|----|-------|-------|-------|--------|--------|-------|---------|
| #1 | 488.1 | 509.7 | 2072. | 48900. | 24960. | 494.3 | -1.2581 |
| #2 | 488.2 | 510.3 | 2068. | 48890. | 24850. | 493.7 | 1.3696  |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | NOCHECK |
| Value  | 471.0   | 437.0   | 1935.   | 49600.  | 24390.  | 491.0   |         |
| Range  | 10.50   | 10.50   | 10.50   | 10.50   | 10.50   | 10.50   |         |

|       |          |          |          |          |          |          |          |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Elam  | Na3902   | Ni2816   | Tl1908   | V_2924   | Zn2138   | Pb2203   | Se1950   |
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | 50410.   | 499.6    | 1.5036   | 518.4    | 3137.    | 5205.    | -2.975   |
| SDev  | 32.      | .1       | 4.025    | .2       | 2.       | 2.       | 3.414    |
| SRSD  | .0626    | .0221    | 799.7    | 10653    | .0756    | .0360    | 114.6    |

|    |        |       |        |       |       |       |         |
|----|--------|-------|--------|-------|-------|-------|---------|
| #1 | 50430. | 499.7 | 3.352  | 518.3 | 3136. | 5207. | -1.5641 |
| #2 | 50390. | 499.5 | -2.344 | 518.5 | 3139. | 5205. | -5.392  |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | QC Pass | QC Pass | NOCHECK | QC Pass | QC Pass | NOCHECK | NOCHECK |
| Value  | 48790.  | 497.0   |         | 492.0   | 3012.   |         |         |
| Range  | 10.50   | 10.50   |         | 10.50   | 10.50   |         |         |

|       |          |          |          |          |          |          |          |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Elam  | Sb2068   | As1890   | Zn2031   | Zn2032   | Zn2061   | Zn2062   | 19601    |
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | 4.210    | .6862    | 5208.    | 5205.    | 2.597    | 5.002    | -1.6614  |
| SDev  | .013     | .3041    | 5.       | .        | .522     | .241     | 1.0443   |
| SRSD  | .3056    | 44.32    | .1011    | .0034    | 20.11    | 4.828    | 5.140    |

|    |       |       |       |       |       |       |         |
|----|-------|-------|-------|-------|-------|-------|---------|
| #1 | 4.219 | .4711 | 5211. | 5205. | 2.966 | 4.831 | -1.6300 |
| #2 | 4.201 | .9012 | 5204. | 5205. | 2.228 | 5.173 | -1.8927 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| Value  |         |         |         |         |         |         |         |
| Range  |         |         |         |         |         |         |         |

|       |          |          |          |          |
|-------|----------|----------|----------|----------|
| Elam  | 19602    | Sr1899   | Ti3349   | Bi2230   |
| Units | ug/liter | ug/liter | ug/liter | ug/liter |

Analysis Report

QC Standard

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|      |        |         |        |       |
|------|--------|---------|--------|-------|
| Avge | -4.049 | -1.6502 | -1.050 | .1962 |
| SDev | 5.096  | 2.8236  | .052   | .5295 |
| %RSD | 125.9  | 434.3   | 4.922  | 269.9 |

|    |         |        |        |         |
|----|---------|--------|--------|---------|
| #1 | -1.4452 | -2.647 | -1.013 | .5706   |
| #2 | -7.652  | 1.346  | -1.086 | -1.1782 |

|        |         |         |         |         |
|--------|---------|---------|---------|---------|
| Errors | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| Value  |         |         |         |         |
| Range  |         |         |         |         |

| IntStd | 1        | 2        | 3       | 4       | 5       | 6       | 7       |
|--------|----------|----------|---------|---------|---------|---------|---------|
| Mode   | Counts   | Time     | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem   | Y        | --       | ---     | ---     | ---     | ---     | ---     |
| Wavlen | 371.030  | --       | ---     | ---     | ---     | ---     | ---     |
| Avge   | 871      | 1000     | ---     | ---     | ---     | ---     | ---     |
| SDev   | 1.649988 | .0000000 | ---     | ---     | ---     | ---     | ---     |
| %RSD   | .1894625 | .0000000 | ---     | ---     | ---     | ---     | ---     |
| #1     | 870      | 1000     | ---     | ---     | ---     | ---     | ---     |
| #2     | 872      | 1000     | ---     | ---     | ---     | ---     | ---     |

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Analysis Report      QC Standard      Sat 03-09-96 02:26:00 PM      page 1

Method: CLPSUE      Sample Name: ICV3      Operator:  
 Run Time: 03/09/96 14:20:41  
 Comment: ICV ICV3  
 Mode: CONC      Corr. Factor: 1

|       |          |          |          |          |          |          |          |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Elem  | Ag3280   | Al3082   | Ba4934   | Be3130   | Ca3179   | Cd2265   | Co2286   |
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | 100.2    | -4.073   | .6416    | .2718    | -36.26   | 99.99    | -.0934   |
| SDev  | .1       | 4.475    | .0381    | .0376    | .06      | .10      | .0394    |
| %RSD  | .0726    | 109.9    | 5.942    | 13.85    | .1607    | .0991    | 42.15    |

|    |       |        |       |       |        |       |        |
|----|-------|--------|-------|-------|--------|-------|--------|
| #1 | 100.2 | -.9084 | .6686 | .2984 | -36.31 | 99.92 | -.1213 |
| #2 | 100.3 | -7.237 | .6147 | .2452 | -36.22 | 100.1 | -.0656 |

|                    |         |         |         |         |         |         |         |
|--------------------|---------|---------|---------|---------|---------|---------|---------|
| Errors Value Range | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
|--------------------|---------|---------|---------|---------|---------|---------|---------|

|       |          |          |          |          |          |          |          |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Elem  | Cr2677   | Cu3247   | Fe2714   | K_7664   | Mg2790   | Mn2576   | Mo2820   |
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | .3626    | .1248    | 9.062    | 271.6    | 6.154    | .2702    | .0612    |
| SDev  | .0232    | .0273    | 1.911    | 1.5      | .323     | .0003    | .0221    |
| %RSD  | 6.374    | 20.47    | 24.67    | .5354    | 4.083    | .1266    | 359.3    |

|    |       |       |       |       |       |       |        |
|----|-------|-------|-------|-------|-------|-------|--------|
| #1 | .5924 | .1872 | 6.074 | 270.6 | 6.389 | .2700 | -.0945 |
| #2 | .4931 | .0526 | 10.05 | 272.7 | 7.916 | .2705 | .2166  |

|                    |         |         |         |         |         |         |         |
|--------------------|---------|---------|---------|---------|---------|---------|---------|
| Errors Value Range | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
|--------------------|---------|---------|---------|---------|---------|---------|---------|

|       |          |          |          |          |          |          |          |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Elem  | Sr3302   | Ni2316   | Ti1906   | V_2924   | Zn2138   | Pb2203   | Ra1960   |
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | 321.6    | .9553    | 102.5    | -.0660   | -3.004   | 103.6    | 36.92    |
| SDev  | 177.9    | .5950    | 4.7      | .0307    | .095     | .13      | 1.77     |
| %RSD  | 49.16    | 62.36    | 4.573    | 1.081    | 3.156    | .2455    | 1.827    |

|    |       |       |       |        |        |       |       |
|----|-------|-------|-------|--------|--------|-------|-------|
| #1 | 209.4 | 1.377 | 99.19 | -.0655 | -2.937 | 103.4 | 98.18 |
| #2 | 432.7 | .5343 | 105.8 | -.0665 | -3.071 | 103.6 | 45.67 |

|                    |         |         |                           |         |         |                           |                           |
|--------------------|---------|---------|---------------------------|---------|---------|---------------------------|---------------------------|
| Errors Value Range | NOCHECK | NOCHECK | QC Pass<br>93.90<br>10.50 | NOCHECK | NOCHECK | QC Pass<br>96.90<br>10.50 | QC Pass<br>101.4<br>10.50 |
|--------------------|---------|---------|---------------------------|---------|---------|---------------------------|---------------------------|

|       |          |          |          |          |          |          |          |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Elem  | Sb2068   | As1890   | 22031    | 22032    | 20681    | 20682    | 19601    |
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | 1034.    | 99.95    | 106.5    | 102.2    | 1021.    | 1041.    | 97.21    |
| SDev  | 3.       | .65      | 1.0      | .9       | 3.       | 4.       | 2.84     |
| %RSD  | .3319    | .6463    | .9016    | .8426    | .2822    | .3562    | 2.924    |

|    |       |       |       |       |       |       |       |
|----|-------|-------|-------|-------|-------|-------|-------|
| #1 | 1032. | 99.49 | 107.2 | 101.6 | 1019. | 1038. | 99.22 |
| #2 | 1037. | 100.4 | 105.8 | 102.8 | 1023. | 1044. | 95.20 |

|                    |                           |                           |         |         |         |         |         |
|--------------------|---------------------------|---------------------------|---------|---------|---------|---------|---------|
| Errors Value Range | QC Pass<br>970.0<br>10.50 | QC Pass<br>101.8<br>10.50 | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
|--------------------|---------------------------|---------------------------|---------|---------|---------|---------|---------|

|       |          |          |          |          |
|-------|----------|----------|----------|----------|
| Elem  | 19602    | Sr1899   | Ti3349   | Bi2230   |
| Units | ug/liter | ug/liter | ug/liter | ug/liter |

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|      |       |        |       |       |
|------|-------|--------|-------|-------|
| Avge | 96.77 | -1.257 | 5.798 | 3.024 |
| SDev | 1.24  | .484   | 1.864 | 3.602 |
| %RSD | 1.277 | 32.49  | 32.15 | 119.1 |
| #1   | 97.64 | -1.600 | 4.480 | 4.771 |
| #2   | 95.90 | -.9152 | 7.116 | 5.572 |

Errors NOCHECK    NOCHECK    NOCHECK    NOCHECK  
 Value  
 Range

| IntStd | 1        | 2         | 3       | 4       | 5       | 6       | 7       |
|--------|----------|-----------|---------|---------|---------|---------|---------|
| Mode   | Counts   | Time      | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem   | Y        | --        | --      | --      | --      | --      | --      |
| Waylen | 371.030  | --        | --      | --      | --      | --      | --      |
| Avge   | 895      | 1000      | --      | --      | --      | --      | --      |
| SDev   | 1.084311 | 1.0000000 | --      | --      | --      | --      | --      |
| %RSD   | 1.211776 | 1.0000000 | --      | --      | --      | --      | --      |
| #1     | 896      | 1000      | --      | --      | --      | --      | --      |
| #2     | 894      | 1000      | --      | --      | --      | --      | --      |

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Analysis Report      QC Standard      Sat 03-09-96 02:31:23 PM      page 1

Method: CDPSUE      Sample Name: SPEXASSE      Operator:  
 Run Time: 03/09/96 14:26:05  
 Comment: TOV SPEXASSE  
 Mode: QMNC      Corr. Factor: 1

| Elem  | Ag3280   | Al3082   | Ba4934   | Ba3130   | Ca3179   | Cd2265   | Co2266   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | .4400    | -7.356   | .3043    | .0480    | -47.82   | -1.4482  | .5313    |
| SDev  | .1293    | 1.914    | .0211    | .0133    | .168     | .0712    | .0793    |
| %RSD  | 29.39    | 26.01    | 6.921    | 27.73    | 1.414    | 15.68    | 14.93    |

|    |       |        |       |       |        |         |       |
|----|-------|--------|-------|-------|--------|---------|-------|
| #1 | .3486 | -8.709 | .3191 | .0386 | -47.34 | -1.4986 | .5874 |
| #2 | .5314 | -6.003 | .2894 | .0574 | -48.30 | -1.3979 | .4752 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| Value  |         |         |         |         |         |         |         |
| Range  |         |         |         |         |         |         |         |

| Elem  | Cr2577   | Cr3247   | Pb2714   | K_7664   | Mg2790   | Mn2576   | Mn2070   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | 3.800    | .3382    | 40.10    | 14.84    | 3.739    | .6325    | 10.80    |
| SDev  | 1.093    | .2056    | .176     | 1.194    | 1.742    | .0499    | 0.       |
| %RSD  | 28.55    | 60.85    | 1.399    | 13.55    | 46.37    | 7.882    | 17.55    |

|    |       |       |       |       |       |       |       |
|----|-------|-------|-------|-------|-------|-------|-------|
| #1 | 3.777 | .1927 | 40.63 | 15.72 | 3.477 | .5972 | 10.82 |
| #2 | 3.823 | .4837 | 39.56 | 13.97 | 4.002 | .6678 | 10.79 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK | QC Pass |
| Value  |         |         |         |         |         |         | 100.    |
| Range  |         |         |         |         |         |         | 10.50   |

| Elem  | Na3302   | Ni2616   | Tl1906   | V_2924   | Zn2138   | Pb2006   | Fe1960   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | 598.9    | 167.4    | -1.2401  | -4.557   | -1.257   | -1.6379  | -1.635   |
| SDev  | 52.1     | .1       | 2.0105   | 1.162    | 1.055    | .1304    | 1.060    |
| %RSD  | 8.693    | .0465    | 337.3    | 2.598    | 4.371    | 38.60    | 64.05    |

|    |       |       |        |        |        |         |         |
|----|-------|-------|--------|--------|--------|---------|---------|
| #1 | 595.7 | 167.3 | -1.662 | -4.085 | -1.216 | -1.431  | -1.8717 |
| #2 | 562.1 | 167.4 | 1.161  | -4.428 | -1.296 | -1.2456 | -2.399  |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| Value  |         |         |         |         |         |         |         |
| Range  |         |         |         |         |         |         |         |

| Elem  | Sb2068   | As1890   | Zn2031   | Zn2032   | Zn2631   | Zn2682   | 19601    |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | 6.501    | .5969    | -1.9113  | -1.0650  | 10.48    | 4.500    | -1.161   |
| SDev  | .914     | 1.306    | .3501    | .0208    | .74      | 1.004    | 3.278    |
| %RSD  | 14.07    | 218.7    | 38.42    | 31.97    | 7.022    | 22.30    | 277.5    |

|    |       |        |        |         |       |       |        |
|----|-------|--------|--------|---------|-------|-------|--------|
| #1 | 5.855 | 1.520  | -1.159 | -1.0797 | 9.963 | 3.790 | 1.137  |
| #2 | 7.148 | -.3262 | -.6637 | -.0503  | 11.00 | 5.209 | -3.500 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| Value  |         |         |         |         |         |         |         |
| Range  |         |         |         |         |         |         |         |

| Elem  | 19602    | Sn1899   | Ti3349   | Bi2230   |
|-------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter |

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|        |         |         |         |         |
|--------|---------|---------|---------|---------|
| Avge   | -1.876  | 999.3   | 1017.   | 1019.   |
| SDev   | .017    | 3.8     |         | 1.      |
| SRSD   | .9257   | .3820   | .0198   | .1061   |
| #1     | -1.888  | 1002.   | 1017.   | 1018.   |
| #2     | -1.863  | 996.6   | 1017.   | 1020.   |
| Errors | NOCHECK | QC Pass | QC Pass | QC Pass |
| Value  |         | 1000.   | 1000.   | 1000.   |
| Range  |         | 10.50   | 10.50   | 10.50   |

| IntStd | 1        | 2        | 3       | 4       | 5       | 6       | 7       |
|--------|----------|----------|---------|---------|---------|---------|---------|
| Mode   | Counts   | Time     | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem   | Y        | --       | --      | --      | --      | --      | --      |
| Wavlen | 371.030  | --       | --      | --      | --      | --      | --      |
| Avge   | 893      | 1000     | --      | --      | --      | --      | --      |
| SDev   | 1.649988 | .0000000 | --      | --      | --      | --      | --      |
| SRSD   | 1.847253 | .0000000 | --      | --      | --      | --      | --      |
| #1     | 892      | 1000     | --      | --      | --      | --      | --      |
| #2     | 894      | 1000     | --      | --      | --      | --      | --      |

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## Analysis Report

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Method: CLPSUE

Sample Name: SC

Operator:

Run Time: 03/09/96 14:31:28

Comment: ICB

Mode: CONC Corr. Factor: 1

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | Ba4934   | Ba3130   | Ca3179   | Cd2265   | Cc2286   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg    | .1428    | -1.677   | .0933    | .1052    | -57.04   | -.2907   | -.1598   |
| SDev   | .0323    | .858     | .0503    | .0006    | .96      | .0970    | .1659    |
| SRSD   | 22.64    | 79.68    | 53.85    | .6155    | 1.682    | 33.38    | 103.8    |
| #1     | .1200    | -.4702   | .1288    | .1057    | -56.37   | -.2220   | -.2771   |
| #2     | .1657    | -1.684   | .0578    | .1047    | -57.72   | -.3593   | -.0425   |
| Errors | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  |
| Value  | .0000    | .0000    | .0000    | .0000    | .0000    | .0000    | .0000    |
| Range  | 10.00    | 200.0    | 200.0    | 5.000    | 500.0    | 5.000    | 50.00    |
| Elem   | Cr2677   | Cu3247   | Fe3714   | K_7164   | Mg2730   | Mn2576   | Mo2020   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg    | 5.110    | -.1243   | 37.53    | 13.67    | -.0162   | .6159    | .5977    |
| SDev   | .494     | .0881    | .76      | 5.17     | .7171    | .0268    | .1998    |
| SRSD   | 9.671    | 70.85    | 24035    | 37.30    | 4434.    | 4.344    | 33.44    |
| #1     | 5.460    | -.0620   | 38.07    | 17.58    | .4909    | .6846    | .7380    |
| #2     | 4.761    | -1.860   | 36.99    | 10.21    | -1.3233  | .6970    | .4563    |
| Errors | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  | NOCHECK  |
| Value  | .0000    | .0000    | .0000    | .0000    | .0000    | .0000    |          |
| Range  | 10.00    | 25.00    | 100.0    | 5000.    | 5000.    | 15.00    |          |
| Elem   | Ni3302   | Ni2316   | Ti1803   | V_2924   | Zn2136   | Zn2208   | Zn1957   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg    | 187.0    | 2872.3   | -1.615   | .1202    | -3.461   | -.3691   | -1.435   |
| SDev   | 22.9     | 10.3     | 1.784    | .0883    | .039     | .3122    | .1780    |
| SRSD   | 12.27    | 4.005    | 77.15    | 73.47    | 2.048    | 84.63    | 54.55    |
| #1     | 203.2    | 2280.0   | -.4612   | .0577    | -3.411   | -.1483   | -.8831   |
| #2     | 170.8    | 2264.6   | -1.563   | .1826    | -3.551   | -.5836   | -1.666   |
| Errors | QC Pass  | QC Fail  | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  |
| Value  | .0000    | .0000    | .0000    | .0000    | .0000    | .0000    | .0000    |
| Range  | 5000.    | 40.00    | 10.00    | 50.00    | 20.00    | 3.000    | 5.000    |
| Elem   | Sb2068   | As1890   | 22031    | 22032    | 20631    | 20682    | 19601    |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg    | .4270    | .5318    | .3573    | -.7451   | -.3105   | .7826    | .3636    |
| SDev   | .1848    | 1.003    | .5143    | .7248    | .2628    | .1446    | 3.352    |
| SRSD   | 43.27    | 188.6    | 144.0    | 97.28    | 84.62    | 18.46    | 921.5    |
| #1     | .5576    | -.1773   | -.0064   | -.2326   | -.1247   | .8848    | 2.734    |
| #2     | .2963    | 1.241    | .7210    | -1.258   | -.4964   | .6804    | -2.007   |
| Errors | QC Pass  | QC Pass  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  |
| Value  | .0000    | .0000    |          |          |          |          |          |
| Range  | 60.00    | 10.00    |          |          |          |          |          |
| Elem   | 19602    | Sn1899   | Ti3349   | Bi2230   |          |          |          |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter |          |          |          |

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|                    |         |         |         |         |
|--------------------|---------|---------|---------|---------|
| Avge               | -2.346  | -1.515  | 4.527   | .3133   |
| SDev               | .504    | 2.526   | 2.437   | .9434   |
| %RSD               | 21.50   | 166.7   | 53.82   | 301.1   |
| #1                 | -2.702  | .2707   | 6.251   | .9804   |
| #2                 | -1.989  | -3.302  | 2.804   | -.3538  |
| Errors Value Range | NOCHECK | NOCHECK | NOCHECK | NOCHECK |

| IntStd | 1        | 2        | 3       | 4       | 5       | 6       | 7       |
|--------|----------|----------|---------|---------|---------|---------|---------|
| Mode   | Counts   | Time     | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem   | Y        | ---      | ---     | ---     | ---     | ---     | ---     |
| Wavlen | 371.030  | --       | --      | --      | --      | --      | --      |
| Avge   | 892      | 1000     | --      | --      | --      | --      | --      |
| SDev   | .1508601 | .0000000 | --      | --      | --      | --      | --      |
| %RSD   | .1692057 | .0000000 | --      | --      | --      | --      | --      |
| #1     | 891      | 1000     | --      | --      | --      | --      | --      |
| #2     | 893      | 1000     | --      | --      | --      | --      | --      |

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Method: CLPSUE      Sample Name: IC5A      Operator:  
 Run Time: 03/09/96 14:51:48  
 Comment: IC5A IC5A  
 Mode: CONC      Corr. Factor: 1

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | Ba4934   | Be3130   | Ca3179   | Cd2265   | Co2236   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg    | -0.501   | 559900.  | 1.985    | .3806    | 536900.  | -4.311   | -1.403   |
| SDev   | .0000    | 1358.    | .016     | .0545    | 1711.    | .159     | .141     |
| SRSD   | .0085    | .2426    | .8117    | 14.32    | .3187    | 3.685    | 10.05    |
| #1     | -0.501   | 559900.  | 1.974    | .4192    | 535700.  | -4.423   | -1.303   |
| #2     | -0.501   | 560800.  | 1.996    | .3421    | 538100.  | -4.198   | -1.503   |
| Errors | NOCHECK  | QC Pass  | NOCHECK  | NOCHECK  | QC Pass  | NOCHECK  | NOCHECK  |
| Value  |          | 524200.  |          |          | 547900.  |          |          |
| Range  |          | 50.00    |          |          | 50.00    |          |          |
| Elem   | Cu2677   | Cu3247   | Fe2714   | H_7664   | Mg2790   | Mn2376   | Mo2020   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg    | 26.577   | 4.445    | 204200.  | 27.93    | 547200.  | -18.24   | -3.455   |
| SDev   | 1.38     | 1.190    | 299.     | 8.24     | 1962.    | .08      | .939     |
| SRSD   | 1.422    | 4.262    | 1466     | 29.51    | 3619     | .3146    | 27.16    |
| #1     | 26.65    | 4.579    | 204000.  | 33.76    | 540800.  | -18.20   | -4.119   |
| #2     | 26.52    | 4.310    | 204400.  | 22.10    | 545600.  | -18.28   | -2.791   |
| Errors | QC Pass  | NOCHECK  | QC Pass  | NOCHECK  | QC Pass  | NOCHECK  | NOCHECK  |
| Value  | 21.00    |          | 190700.  |          | 529300.  |          |          |
| Range  | 50.00    |          | 50.00    |          | 50.00    |          |          |
| Elem   | Na3302   | Ni2316   | Ti1908   | V_2924   | Sb2135   | Pb2203   | Se1940   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg    | 407.2    | 2.425    | -10190   | -17.48   | -22.04   | 3.390    | -2.838   |
| SDev   | 144.3    | .361     | 19745    | 1.11     | .11      | 2.341    | 4.780    |
| SRSD   | 35.44    | 14.86    | 5139.    | .6065    | .4604    | 69.06    | 204.4    |
| #1     | 309.3    | 2.170    | 16701    | -17.40   | -21.97   | 5.045    | 11040    |
| #2     | 305.2    | 2.680    | -17081   | -17.58   | -22.12   | 1.735    | -3.716   |
| Errors | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  |
| Value  |          |          |          |          |          |          |          |
| Range  |          |          |          |          |          |          |          |
| Elem   | Sb2068   | As1890   | 22051    | 22032    | 20681    | 20682    | 19601    |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg    | 2.871    | 1.185    | 169.4    | -79.50   | 3.561    | .0146    | -13.51   |
| SDev   | .098     | 1.737    | 3.7      | 5.38     | 15.35    | 7.811    | 6.04     |
| SRSD   | 3.423    | 146.5    | 2.210    | 6.765    | 179.3    | 53470.   | 44.67    |
| #1     | 2.802    | 2.414    | 166.7    | -75.70   | 19.42    | -5.509   | -17.78   |
| #2     | 2.941    | -.0429   | 172.0    | -83.31   | -2.293   | 5.538    | -9.246   |
| Errors | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  |
| Value  |          |          |          |          |          |          |          |
| Range  |          |          |          |          |          |          |          |
| Elem   | 19602    | Sn1899   | Ti3349   | Bi2230   |          |          |          |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter |          |          |          |

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|      |       |        |        |       |
|------|-------|--------|--------|-------|
| Avge | 3.226 | -2.873 | -61.34 | 4.267 |
| SDev | 10.18 | 2.823  | 9.65   | 1.243 |
| %RSD | 315.6 | 98.25  | 15.74  | 25.54 |

|    |        |         |        |       |
|----|--------|---------|--------|-------|
| #1 | 10.42  | -1.8771 | -68.17 | 3.988 |
| #2 | -3.973 | -4.869  | -54.51 | 5.746 |

|        |         |         |         |         |
|--------|---------|---------|---------|---------|
| Errors | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| Value  |         |         |         |         |
| Range  |         |         |         |         |

|        |          |          |         |         |         |         |         |
|--------|----------|----------|---------|---------|---------|---------|---------|
| IntStd | 1        | 2        | 3       | 4       | 5       | 6       | 7       |
| Mode   | Counts   | Time     | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem   | Y        | --       | --      | --      | --      | --      | --      |
| Wavlen | 371.030  | --       | --      | --      | --      | --      | --      |
| Avge   | 771      | 1000     | --      | --      | --      | --      | --      |
| SDev   | 5.185738 | .0000000 | --      | --      | --      | --      | --      |
| %RSD   | .6725316 | .0000000 | --      | --      | --      | --      | --      |
| #1     | 775      | 1000     | --      | --      | --      | --      | --      |
| #2     | 767      | 1000     | --      | --      | --      | --      | --      |

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Analysis Report      QC Standard      Sat 03-09-96 03:02:30 PM      page 1

Method: CLFSUE      Sample Name: ICSAB      Operator:  
 Run Time: 03/09/96 14:57:12  
 Comment: ICSAB ICSAB  
 Mode: CONC      Corr. Factor: 1

| Elem  | Ag3280   | Al3082   | Ba4934   | Be3130   | Ca3179   | Cd2265   | Co2286   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc  | 984.5    | 566100.  | 530.6    | 512.9    | 538300.  | 948.9    | 532.4    |
| SDev  | 1.9      | 746.     | .3       | .4       | 716.     | .8       | .6       |
| RPSD  | .1962    | .1317    | .0569    | .0719    | .1331    | .0823    | .1110    |

|    |       |         |       |       |         |       |       |
|----|-------|---------|-------|-------|---------|-------|-------|
| #1 | 983.2 | 566600. | 530.8 | 513.1 | 538800. | 948.4 | 532.8 |
| #2 | 985.9 | 565600. | 530.4 | 512.6 | 537800. | 949.5 | 531.9 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass |
| Value  | 889.0   | 524800. | 485.0   | 477.0   | 548100. | 899.0   | 474.0   |
| Range  | 20.00   | 20.00   | 20.00   | 20.00   | 20.00   | 20.00   | 20.00   |

| Elem  | Cd2677   | Cd3247   | Fe2714   | K_7864   | Mg2790   | Mn2376   | Mo2070   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc  | 216.0    | 539.2    | 206700.  | 21.36    | 549100.  | 474.8    | 1014.    |
| SDev  | .7       | 2.3      | 38.      | .18      | 139.     | .5       | 3.       |
| RPSD  | .1333    | .18673   | .10423   | .8559    | .0361    | .1043    | .2939    |

|    |       |       |         |       |         |       |       |
|----|-------|-------|---------|-------|---------|-------|-------|
| #1 | 516.5 | 537.8 | 206800. | 21.49 | 549000. | 474.6 | 1016. |
| #2 | 516.5 | 540.8 | 206700. | 21.23 | 549200. | 475.0 | 1012. |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | QC Pass | QC Pass | QC Pass | NOCHECK | QC Pass | QC Pass | NOCHECK |
| Value  | 209.0   | 107.0   | 121300. |         | 529900. | 454.0   |         |
| Range  | 20.00   | 20.00   | 20.00   |         | 20.00   | 20.00   |         |

| Elem  | Na3302   | Ni3316   | Ti1908   | V_2324   | Zn2138   | Zn2003   | Zn1985   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc  | 722.3    | 949.2    | -3.256   | 498.9    | 1041.    | 5141.    | -4.752   |
| SDev  | 43.4     | 1.3      | 4773     | .3       | .34      | .14      | .112     |
| RPSD  | 5.621    | .1332    | 23.73    | .0642    | .0290    | .02812   | 2.345    |

|    |       |       |        |       |       |       |        |
|----|-------|-------|--------|-------|-------|-------|--------|
| #1 | 741.6 | 949.1 | -2.709 | 500.2 | 1041. | 5151. | -4.327 |
| #2 | 803.0 | 947.3 | -3.802 | 499.7 | 1041. | 5131. | -4.679 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | NOCHECK | QC Pass | NOCHECK | QC Pass | QC Pass | QC Pass | NOCHECK |
| Value  |         | 882.0   |         | 455.0   | 941.0   | 4535.   |         |
| Range  |         | 20.00   |         | 20.00   | 20.00   | 20.00   |         |

| Elem  | Sb2068   | As1890   | Zn2031   | Zn2032   | Zn20681  | Zn20682  | Zn19601  |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc  | 11.59    | -1.493   | 5332.    | 5046.    | 7.172    | 13.79    | -9.753   |
| SDev  | .67      | .801     | 11.      | 16.      | 2.603    | .29      | 6.221    |
| RPED  | 5.796    | 53.64    | .2126    | .3174    | 36.30    | 2.120    | 63.79    |

|    |       |        |       |       |       |       |        |
|----|-------|--------|-------|-------|-------|-------|--------|
| #1 | 12.07 | -.9269 | 5340. | 5057. | 9.012 | 13.58 | -14.15 |
| #2 | 11.12 | -2.060 | 5324. | 5034. | 5.331 | 13.99 | -5.354 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| Value  |         |         |         |         |         |         |         |
| Range  |         |         |         |         |         |         |         |

| Elem  | Zn19602  | Sr1899   | Ti3349   | Bi2230   |
|-------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter |

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|      |        |       |       |       |
|------|--------|-------|-------|-------|
| Avg  | -2.279 | 1035. | 959.1 | 1117. |
| SDay | 2.939  | 5.    | 1.4   | 4.    |
| %RSD | 128.9  | .4596 | .1446 | .3307 |

|    |        |       |       |       |
|----|--------|-------|-------|-------|
| #1 | -.2014 | 1032. | 960.1 | 1120. |
| #2 | -4.357 | 1038. | 958.1 | 1115. |

|        |         |         |         |         |
|--------|---------|---------|---------|---------|
| Errors | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| Value  |         |         |         |         |
| Range  |         |         |         |         |

| IntStd | 1        | 2        | 3       | 4       | 5       | 6       | 7       |
|--------|----------|----------|---------|---------|---------|---------|---------|
| Mode   | Counts   | Time     | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem   | Y        | ---      | ---     | ---     | ---     | ---     | ---     |
| Wavlen | 371.030  | ---      | ---     | ---     | ---     | ---     | ---     |
| Avg    | 768      | 1000     | ---     | ---     | ---     | ---     | ---     |
| SDay   | 1.791451 | .0000000 | ---     | ---     | ---     | ---     | ---     |
| %RSD   | .2362812 | .0000000 | ---     | ---     | ---     | ---     | ---     |
| #1     | 767      | 1000     | ---     | ---     | ---     | ---     | ---     |
| #2     | 768      | 1000     | ---     | ---     | ---     | ---     | ---     |

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Method: CLPSUE      Sample Name: CRI      Operator:  
 Run Time: 03/09/96 15:02:36  
 Comment: CRI  
 Mode: CONC      Corr. Factor: 1

|       |          |          |          |          |          |          |          |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Elem  | Ag3280   | Al3082   | Ba4934   | Be3130   | Ca3179   | Cd2265   | Co2286   |
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | 12.71    | 393.4    | .3143    | 10.55    | 355.4    | 10.81    | 103.7    |
| SDev  | .86      | 374.2    | .3000    | .32      | 401.8    | .83      | .1       |
| %RSD  | 6.805    | 95.11    | 95.43    | 3.051    | 113.1    | 7.688    | .0977    |

|    |       |       |       |       |       |       |       |
|----|-------|-------|-------|-------|-------|-------|-------|
| #1 | 13.32 | 658.0 | .5265 | 10.88 | 639.5 | 11.40 | 103.7 |
| #2 | 12.10 | 128.8 | .1022 | 10.42 | 71.23 | 10.23 | 103.6 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | QC Pass | NOCHECK | NOCHECK | QC Pass | NOCHECK | NOCHECK | NOCHECK |
| Value  | 20.00   |         |         | 10.00   |         |         |         |
| Range  | 50.00   |         |         | 50.00   |         |         |         |

|       |          |          |          |          |          |          |          |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Elem  | Cr2677   | Cu3247   | Fe2714   | K_7564   | Mg2790   | Mn2576   | Ni2020   |
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | 20.89    | 50.97    | 190.4    | 18.50    | 421.8    | 30.97    | 43.05    |
| SDev  | .50      | .43      | 174.0    | .22      | 412.7    | .28      | .32      |
| %RSD  | 2.374    | .8347    | 91.41    | 1.166    | 97.85    | .8968    | .7361    |

|    |       |       |       |       |       |       |       |
|----|-------|-------|-------|-------|-------|-------|-------|
| #1 | 21.24 | 51.27 | 316.4 | 18.70 | 513.6 | 31.16 | 43.28 |
| #2 | 20.54 | 50.67 | 67.52 | 18.45 | 429.9 | 30.77 | 47.53 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | NOCHECK | QC Pass | NOCHECK | NOCHECK | NOCHECK | QC Pass | NOCHECK |
| Value  |         | 50.00   |         |         |         | 50.00   |         |
| Range  |         | 50.00   |         |         |         | 50.00   |         |

|       |          |          |          |          |          |          |          |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Elem  | Ni3302   | Ni2316   | Ti1208   | V_2924   | Zn2138   | Zn2203   | Zn1960   |
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | 258.5    | 82.98    | 22.41    | 104.5    | 34.20    | 7.373    | 3.855    |
| SDev  | 118.3    | .04      | 1.46     | .7       | .35      | 1.254    | 1.425    |
| %RSD  | 44.05    | .0526    | 6.511    | .7025    | 1.017    | 17.00    | 14.45    |

|    |       |       |       |       |       |       |       |
|----|-------|-------|-------|-------|-------|-------|-------|
| #1 | 352.1 | 83.01 | 23.44 | 105.0 | 34.44 | 8.258 | 3.857 |
| #2 | 184.9 | 82.95 | 21.38 | 103.9 | 33.95 | 6.486 | 10.67 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | NOCHECK | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass |
| Value  |         | 50.00   | 20.00   | 100.0   | 40.00   | 5.000   | 10.00   |
| Range  |         | 50.00   | 50.00   | 50.00   | 50.00   | 50.00   | 50.00   |

|       |          |          |          |          |          |          |          |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Elem  | Sb2068   | As1890   | Zn2031   | Zn2032   | Zn2081   | Zn2082   | 19601    |
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | 124.4    | 21.61    | 6.992    | 7.548    | 121.9    | 125.6    | 12.02    |
| SDev  | .2       | .12      | 1.755    | 1.003    | 1.6      | 1.1      | 1.89     |
| %RSD  | .1523    | .5528    | 25.10    | 13.29    | 1.274    | .8434    | 15.70    |

|    |       |       |       |       |       |       |       |
|----|-------|-------|-------|-------|-------|-------|-------|
| #1 | 124.3 | 21.70 | 8.233 | 8.257 | 123.0 | 124.9 | 10.68 |
| #2 | 124.5 | 21.53 | 5.751 | 6.838 | 120.8 | 126.4 | 13.35 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | QC Pass | QC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| Value  | 120.0   | 20.00   |         |         |         |         |         |
| Range  | 50.00   | 50.00   |         |         |         |         |         |

|       |          |          |          |          |
|-------|----------|----------|----------|----------|
| Elem  | 19602    | Sn1899   | Ti3349   | Bi2230   |
| Units | ug/liter | ug/liter | ug/liter | ug/liter |

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|      |       |       |       |        |
|------|-------|-------|-------|--------|
| Avg  | 8.774 | 40.54 | 28.85 | 301.9  |
| SD   | 1.193 | 4.59  | 2.71  | 1.1    |
| SRSD | 13.59 | 11.32 | 9.409 | 1.3609 |

|    |       |       |       |       |
|----|-------|-------|-------|-------|
| #1 | 7.931 | 43.78 | 30.77 | 302.7 |
| #2 | 9.617 | 37.30 | 26.93 | 301.1 |

|                    |         |         |         |         |
|--------------------|---------|---------|---------|---------|
| Errors Value Range | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
|--------------------|---------|---------|---------|---------|

| IntStd | 1        | 2        | 3       | 4       | 5       | 6       | 7       |
|--------|----------|----------|---------|---------|---------|---------|---------|
| Mode   | Counts   | Time     | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem   | Y        | ---      | ---     | ---     | ---     | ---     | ---     |
| Wavlen | 371.030  | --       | --      | --      | --      | --      | --      |
| Avg    | 892      | 1000     | --      | --      | --      | --      | --      |
| SD     | .4714189 | .0000000 | --      | --      | --      | --      | --      |
| SRSD   | .0528549 | .0000000 | --      | --      | --      | --      | --      |
| #1     | 892      | 1000     | --      | --      | --      | --      | --      |
| #2     | 892      | 1000     | --      | --      | --      | --      | --      |

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Method: CLPSUE      Sample Name: CCV      Operator:  
 Run Time: 03/09/96 15:08:00  
 Comment: CCV CVS1  
 Mode: CONC      Corr. Factor: 1

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | Ba4934   | Be3130   | Ca3179   | Cd2265   | Co2286   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg    | 100.9    | 2028.    | 1001.    | 1018.    | 50170.   | 985.8    | 1017.    |
| SDev   | .1       | 3.       | 1.       | 2.       | 185.     | 2.1      | 2.       |
| SRSD   | .1201    | .1603    | .1287    | .1748    | .3695    | .2153    | .2211    |
| #1     | 100.9    | 2031.    | 999.6    | 1019.    | 50300.   | 987.3    | 1018.    |
| #2     | 100.8    | 2026.    | 1001.    | 1017.    | 50040.   | 984.3    | 1015.    |
| Errors | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  |
| Value  | 100.0    | 2000.    | 1000.    | 1000.    | 50000.   | 1000.    | 1000.    |
| Range  | 10.50    | 10.50    | 10.50    | 10.50    | 10.50    | 10.50    | 10.50    |
| Elem   | Cr2677   | Cu2247   | Fe2714   | K_7664   | Mg2722   | Mn2575   | Ni2020   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg    | 291.6    | 1021.    | 2035.    | 48950.   | 50282.   | 1005.    | 1020.    |
| SDev   | 3.1      | 4.       | 2.       | 29.      | 79.      | 2.       | 3.       |
| SRSD   | .3028    | .2922    | .1067    | .0597    | .1555    | .2136    | .2778    |
| #1     | 293.8    | 1018.    | 2036.    | 48930.   | 50320.   | 1005.    | 1022.    |
| #2     | 289.5    | 1024.    | 2033.    | 48970.   | 50270.   | 1002.    | 1026.    |
| Errors | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  |
| Value  | 1000.    | 1000.    | 2000.    | 50000.   | 50000.   | 1000.    | 1000.    |
| Range  | 10.50    | 10.50    | 10.50    | 10.50    | 10.50    | 10.50    | 10.50    |
| Elem   | Na3302   | Ni2316   | Pb1928   | V_2924   | Zn2138   | Zn2208   | Zn1950   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg    | 50270.   | 269.1    | 1053.    | 1022.    | 1020.    | 1019.    | 1041.    |
| SDev   | 34.      | 2.1      | 5.       | 2.       | 2.       | 2.       | 4.       |
| SRSD   | .1871    | .2127    | .4361    | .1793    | .2310    | .1769    | .0322    |
| #1     | 50340.   | 990.6    | 1049.    | 1023.    | 1022.    | 1020.    | 1041.    |
| #2     | 50200.   | 987.6    | 1056.    | 1021.    | 1019.    | 1018.    | 1041.    |
| Errors | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  |
| Value  | 50000.   | 1000.    | 1000.    | 1000.    | 1000.    | 1000.    | 1000.    |
| Range  | 10.50    | 10.50    | 10.50    | 10.50    | 10.50    | 10.50    | 10.50    |
| Elem   | Sb2068   | As1890   | Zn2031   | Zn2032   | Zn2081   | Zn2082   | Zn1960   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg    | 1031.    | 1041.    | 1016.    | 1020.    | 1024.    | 1034.    | 1037.    |
| SDev   | 2.       | .        | 1.       | 2.       | .        | 2.       | 4.       |
| SRSD   | .1523    | .0269    | .0949    | .2177    | .0171    | .2361    | .3792    |
| #1     | 1030.    | 1041.    | 1017.    | 1022.    | 1024.    | 1032.    | 1034.    |
| #2     | 1032.    | 1041.    | 1015.    | 1019.    | 1024.    | 1036.    | 1040.    |
| Errors | QC Pass  | QC Pass  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  |
| Value  | 1000.    | 1000.    |          |          |          |          |          |
| Range  | 10.50    | 10.50    |          |          |          |          |          |
| Elem   | 19602    | Sn1899   | Ti3349   | Bi2230   |          |          |          |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter |          |          |          |

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|      |       |       |       |       |
|------|-------|-------|-------|-------|
| Avge | 1043. | 1016. | 998.3 | 1046. |
| SDev | 2.    | 3.    | 2.4   | 3.    |
| %RSD | .1882 | .3123 | .2360 | .3133 |

|    |       |       |        |       |
|----|-------|-------|--------|-------|
| #1 | 1045. | 1014. | 1000.0 | 1049. |
| #2 | 1042. | 1015. | 996.7  | 1044. |

|        |         |         |         |         |
|--------|---------|---------|---------|---------|
| Errors | NOCHECK | QC Pass | QC Pass | QC Pass |
| Value  |         | 1000.   | 1000.   | 1000.   |
| Range  |         | 10.50   | 10.50   | 10.50   |

| IntStd | 1        | 2        | 3       | 4       | 5       | 6       | 7       |
|--------|----------|----------|---------|---------|---------|---------|---------|
| Mode   | Counts   | Time     | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem   | Y        | --       | --      | --      | --      | --      | --      |
| Waylen | 371.030  | --       | --      | --      | --      | --      | --      |
| Avge   | 887      | 1000     | --      | --      | --      | --      | --      |
| SDev   | 2.121407 | .0000000 | --      | --      | --      | --      | --      |
| %RSD   | .2390737 | .0000000 | --      | --      | --      | --      | --      |
| #1     | 886      | 1000     | --      | --      | --      | --      | --      |
| #2     | 889      | 1000     | --      | --      | --      | --      | --      |

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Method: CLPSUE      Sample Name: CCB      Operator:  
 Run Time: 03/09/96 15:13:24  
 Comment: CCB  
 Mode: CONC      Corr. Factor: 1

| Elem  | Ag3280   | Al3082   | Ba4934   | Be3130   | Ca3179   | Cd2265   | Co2286   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc  | -.0286   | 3.366    | .5568    | .6094    | -11.78   | .3154    | .2590    |
| SDev  | .0646    | 5.744    | .1682    | .1936    | 10.49    | .2421    | .1073    |
| %RSD  | 225.9    | 170.6    | 30.20    | 31.77    | 89.12    | 76.78    | 41.60    |

|    |        |        |       |       |        |       |       |
|----|--------|--------|-------|-------|--------|-------|-------|
| #1 | -.0743 | -.6949 | .4379 | .4725 | -19.20 | .1442 | .1921 |
| #2 | .0171  | 7.428  | .6758 | .7463 | -4.356 | .4866 | .3339 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass |
| Value  | 10000   | 10000   | 10000   | 10000   | 10000   | 10000   | 10000   |
| Range  | 10.00   | 200.0   | 200.0   | 5.000   | 500.0   | 5.000   | 50.00   |

| Elem  | Cr2677   | Fe3247   | Fe2714   | K_7864   | Mg2730   | Mn2576   | Mn2920   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc  | 1.286    | 1.284    | 12.83    | 29.09    | 40.98    | .6021    | .7207    |
| SDev  | .0334    | .103     | .6.92    | 3.50     | 12.47    | .1757    | .0910    |
| %RSD  | 2.591    | 8.317    | 53.05    | 12.02    | 30.44    | 29.17    | 12.45    |

|    |       |       |       |       |       |       |       |
|----|-------|-------|-------|-------|-------|-------|-------|
| #1 | .1445 | 1.102 | 5.139 | 23.62 | 32.16 | .4779 | .5578 |
| #2 | .1086 | 1.607 | 14.92 | 31.55 | 49.80 | .7253 | .3840 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | NOCHECK |
| Value  | 10000   | 10000   | 10000   | 10000   | 10000   | 10000   |         |
| Range  | 10.00   | 25.00   | 100.0   | 5000.   | 5000.   | 15.00   |         |

| Elem  | Ni3302   | Ni2316   | Ti1328   | V_2304   | Zn2130   | Zn2302   | Zn1960   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc  | 135.14   | 18481    | -1.3640  | .3502    | -2.460   | .2713    | -1.080   |
| SDev  | 20.6     | 13351    | 4.0131   | 13432    | .1237    | .4528    | .133     |
| %RSD  | 15.20    | 10.03    | 416.8    | 38.37    | 71636    | 169.4    | 36.17    |

|    |       |       |        |       |        |         |         |
|----|-------|-------|--------|-------|--------|---------|---------|
| #1 | 130.1 | 13082 | -3.825 | .3076 | -2.628 | .5954   | -1.8034 |
| #2 | 135.8 | 17679 | 1.677  | .7228 | -2.292 | -1.0535 | -1.356  |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass |
| Value  | 10000   | 10000   | 10000   | 10000   | 10000   | 10000   | 10000   |
| Range  | 5000.   | 40.00   | 10.00   | 50.00   | 20.00   | 3.000   | 5.000   |

| Elem  | Sb2068   | As1390   | Zn2031   | Zn2032   | Zn2061   | Zn2062   | 19601    |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc  | 2.070    | .6052    | .6285    | .0798    | 1.001    | 2.590    | .1737    |
| SDev  | 1.073    | .0497    | 1.410    | 1.393    | .703     | 1.258    | 2.658    |
| %RSD  | 51.85    | 8.198    | 224.4    | 1746.    | 70.28    | 48.56    | 1530.    |

|    |       |       |        |        |       |       |        |
|----|-------|-------|--------|--------|-------|-------|--------|
| #1 | 2.828 | .6413 | -.3688 | 1.065  | 1.498 | 3.479 | 2.053  |
| #2 | 1.311 | .5710 | 1.626  | -.9055 | .5035 | 1.700 | -1.705 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | QC Pass | QC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| Value  | 10000   | 10000   |         |         |         |         |         |
| Range  | 60.00   | 10.00   |         |         |         |         |         |

| Elem  | 19602    | Sn1899   | Ti3349   | Bi2230   |
|-------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter |

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|      |        |       |       |       |
|------|--------|-------|-------|-------|
| Avge | -1.718 | .8618 | 3.552 | .9382 |
| SDav | .741   | 2.178 | .374  | 1.401 |
| %RSD | 43.15  | 252.8 | 10.52 | 149.3 |

|    |        |        |       |        |
|----|--------|--------|-------|--------|
| #1 | -2.243 | -.6785 | 3.287 | 1.929  |
| #2 | -1.194 | 2.402  | 3.816 | -.0522 |

|        |         |         |         |         |
|--------|---------|---------|---------|---------|
| Errors | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| Value  |         |         |         |         |
| Range  |         |         |         |         |

| IntStd | 1        | 2        | 3       | 4       | 5       | 6       | 7       |
|--------|----------|----------|---------|---------|---------|---------|---------|
| Mode   | Counts   | Time     | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem   | Y        | --       | --      | --      | --      | --      | --      |
| Waylen | 371.030  | --       | --      | --      | --      | --      | --      |
| Avge   | 909      | 1000     | --      | --      | --      | --      | --      |
| SDav   | .1414300 | .0000000 | --      | --      | --      | --      | --      |
| %RSD   | .0155609 | .0000000 | --      | --      | --      | --      | --      |
| #1     | 309      | 1000     | --      | --      | --      | --      | --      |
| #2     | 309      | 1000     | --      | --      | --      | --      | --      |

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Analysis Report

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Method: CLPSUE Sample Name: SDI788039 *J03/11/96 #27* Operator:  
 Run Time: 03/09/96 15:20:43  
 Comment: SDG:1 ClientID: ~~C# KEYWL~~ 1:5  
 Mode: CONC Corr. Factor: 1  
**KEYWGDL**

|       |          |          |          |          |          |          |          |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Elem  | Ag3280   | Al3082   | Ba4934   | Be3130   | Ca3179   | Cd2265   | Cc2286   |
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc  | .1600    | 116.2    | 345.5    | .2050    | 131900.  | -.2526   | .1013    |
| SDev  | .0404    | 3.4      | .6       | .0066    | 266.     | .0950    | .0636    |
| SRSD  | 25.26    | 2.926    | .1702    | 3.240    | .2019    | 37.59    | 62.81    |

|    |       |       |       |       |         |        |       |
|----|-------|-------|-------|-------|---------|--------|-------|
| #1 | .1314 | 113.8 | 345.1 | .2097 | 132100. | -.1855 | .0563 |
| #2 | .1886 | 119.7 | 345.9 | .2003 | 131700. | -.3198 | .1463 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High   | 2500.   | 600000. | 25000.  | 25000.  | 600000. | 25000.  | 25000.  |
| Low    | -10.00  | -200.0  | -200.0  | -5.000  | -5000.  | -5.000  | -50.00  |

|       |          |          |          |          |          |          |          |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Elem  | Cr2677   | Cu2247   | Pb2714   | Mn2554   | Hg2790   | Mn2578   | Mn2000   |
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc  | 8.015    | .8815    | 30.74    | 2049.    | 20.18    | .5033    | .8943    |
| SDev  | .540     | .1905    | .69      | 2.       | 4.43     | .0255    | .2028    |
| SRSD  | 6.733    | 21.62    | 2.228    | 11.57    | 21.92    | 5.065    | 29.33    |

|    |       |       |       |       |       |       |       |
|----|-------|-------|-------|-------|-------|-------|-------|
| #1 | 6.397 | .7463 | 30.25 | 2048. | 17.06 | .4853 | .7084 |
| #2 | 7.634 | 1.016 | 31.23 | 2051. | 23.31 | .5012 | 1.089 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High   | 25000.  | 25000.  | 250000. | 450000. | 600000. | 25000.  | 25000.  |
| Low    | -10.00  | -25.00  | -100.0  | -5000.  | -5000.  | -15.00  | 3.000   |

|       |          |          |          |          |          |          |          |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Elem  | Na3302   | Ni2318   | Tl1308   | V_2924   | Zn2138   | Pb2202   | Sa1960   |
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc  | 14470.   | .8766    | .5442    | .3818    | -2.269   | .4551    | .1744    |
| SDev  | 25.      | .2742    | 2.404    | .2907    | .059     | .7309    | .4532    |
| SRSD  | .1731    | 31.29    | 441.7    | 73.85    | 2.604    | 171.6    | 262.7    |

|    |        |       |        |       |        |        |        |
|----|--------|-------|--------|-------|--------|--------|--------|
| #1 | 14450. | .6827 | 2.244  | .1831 | -2.228 | -.0970 | .4984  |
| #2 | 14480. | 1.070 | -1.155 | .3801 | -2.311 | 1.007  | -.1496 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High   | 600000. | 25000.  | 25000.  | 25000.  | 25000.  | 25000.  | 25000.  |
| Low    | -5000.  | -40.00  | -10.00  | -50.00  | -20.00  | -3.000  | -5.000  |

|       |          |          |          |          |          |          |          |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Elem  | Sb2068   | As1890   | 22031    | 22032    | 20681    | 20682    | 19601    |
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc  | .8801    | 1.285    | 1.214    | .0618    | .9475    | .8321    | .2749    |
| SDev  | 1.273    | 1.203    | .627     | 1.484    | 1.149    | 1.336    | 4.022    |
| SRSD  | 144.7    | 93.65    | 51.66    | 2399.    | 121.2    | 160.5    | 1463.    |

|    |        |       |       |        |       |        |        |
|----|--------|-------|-------|--------|-------|--------|--------|
| #1 | -.0203 | 2.136 | 1.658 | -.9875 | .1354 | -.1124 | 3.119  |
| #2 | 1.780  | .4341 | .7706 | 1.111  | 1.760 | 1.777  | -2.589 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| High   | 10000.  | 25000.  |         |         |         |         |         |
| Low    | -60.00  | -10.00  |         |         |         |         |         |

|       |          |          |          |          |
|-------|----------|----------|----------|----------|
| Elem  | 19602    | Sn1899   | Ti3349   | Bi2230   |
| Units | ug/liter | ug/liter | ug/liter | ug/liter |



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|        |          |          |         |         |         |         |         |
|--------|----------|----------|---------|---------|---------|---------|---------|
| Avge   | 11099    | -3.581   | 4.169   | 1.623   |         |         |         |
| SDev   | 1.321    | 2.865    | .964    | 1.555   |         |         |         |
| %RSD   | 1202.    | 80.00    | 23.12   | 95.79   |         |         |         |
| #1     | -.8242   | -1.555   | 4.851   | .5238   |         |         |         |
| #2     | 1.044    | -5.607   | 3.488   | 2.723   |         |         |         |
| Errors | NOCHECK  | LC Pass  | LC Pass | LC Pass |         |         |         |
| High   |          | 10000.   | 10000.  | 10000.  |         |         |         |
| Low    |          | -20.00   | -20.00  | -10.00  |         |         |         |
| IntStd | 1        | 2        | 3       | 4       | 5       | 6       | 7       |
| Mode   | Counts   | Time     | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem   | Y        | --       | --      | --      | --      | --      | --      |
| Wavlen | 371.030  | --       | --      | --      | --      | --      | --      |
| Avge   | 839      | 1000     | --      | --      | --      | --      | --      |
| SDev   | 2.404267 | .0000000 | --      | --      | --      | --      | --      |
| %RSD   | .2867199 | .0000000 | --      | --      | --      | --      | --      |
| #1     | 837      | 1000     | --      | --      | --      | --      | --      |
| #2     | 840      | 1000     | --      | --      | --      | --      | --      |

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## Analysis Report

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Method: CLPSUE Sample Name: 788041  
 Run Time: 03/09/96 15:26:07  
 Comment: SDG:1 ClientID:C#-KEYFB 1:1  
 Mode: CONC Corr. Factor: 1

#28 Operator:

| Elem  | Ag3280   | Al3082   | Ba4934   | Be3130   | Ca3179   | Cd2265   | Co2286   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc  | -.0115   | 146.8    | .5766    | .2023    | 5.182    | -.3446   | -.0818   |
| SDev  | .0242    | .1       | .0028    | .0256    | 3.169    | .0086    | .1736    |
| %RSD  | 211.7    | .0904    | .4862    | 12.66    | 61.15    | 2.503    | 212.3    |

|    |        |       |       |       |       |        |        |
|----|--------|-------|-------|-------|-------|--------|--------|
| #1 | .0057  | 146.9 | .5746 | .1842 | 2.941 | -.3507 | .0410  |
| #2 | -.0286 | 146.8 | .5786 | .2204 | 7.423 | -.3385 | -.2046 |

| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
|--------|---------|---------|---------|---------|---------|---------|---------|
| High   | 2500.   | 600000. | 25000.  | 25000.  | 600000. | 25000.  | 25000.  |
| Low    | -10.00  | -200.0  | -200.0  | -5.000  | -5000.  | -5.000  | -50.00  |

| Elem  | Cr2677   | Cu3247   | Fe2714   | K_7664   | Mg2790   | Mn2576   | Nb2020   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc  | 1.039    | 2.945    | 22.39    | 103.3    | 23.14    | .2793    | -.2472   |
| SDev  | .001     | .038     | 2.91     | 3.2      | 2.52     | .0004    | .2948    |
| %RSD  | .0988    | 2.888    | 13.01    | 3.079    | 9.643    | .1357    | 119.3    |

|    |       |       |       |       |       |       |        |
|----|-------|-------|-------|-------|-------|-------|--------|
| #1 | 1.039 | 3.208 | 20.33 | 101.0 | 27.36 | .2796 | -.4587 |
| #2 | 1.038 | 2.883 | 24.48 | 105.5 | 30.92 | .2791 | -.0887 |

| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
|--------|---------|---------|---------|---------|---------|---------|---------|
| High   | 25000.  | 25000.  | 300000. | 450000. | 500000. | 25000.  | 25000.  |
| Low    | -10.00  | -25.00  | -100.0  | -5000.  | -5000.  | -15.00  | 3.000   |

| Elem  | Na3302   | Ni2316   | Tl1908   | V_2824   | Zn2138   | Pb2203   | Se1960   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc  | 882.2    | .4573    | -.6658   | -.0129   | -1.789   | .3020    | -2.950   |
| SDev  | 22.9     | .1323    | 1.2711   | .0384    | .147     | .1922    | .713     |
| %RSD  | 4.040    | 28.92    | 190.9    | 684.4    | 8.242    | 63.68    | 24.13    |

|    |       |       |        |         |        |       |        |
|----|-------|-------|--------|---------|--------|-------|--------|
| #1 | 824.7 | .3638 | -1.565 | .0436   | -1.593 | .1680 | -2.447 |
| #2 | 939.7 | .5508 | .2330  | -1.0754 | -1.684 | .4378 | -3.454 |

| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
|--------|---------|---------|---------|---------|---------|---------|---------|
| High   | 600000. | 25000.  | 25000.  | 25000.  | 25000.  | 25000.  | 25000.  |
| Low    | -5000.  | -40.00  | -10.00  | -30.00  | -20.00  | -3.000  | -5.000  |

| Elem  | Sb2068   | As1890   | Zn2031   | Zn2032   | Zn20681  | Zn20682  | 19601    |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc  | .2472    | 1.193    | 1.610    | -.3650   | -1.504   | 1.108    | -1.785   |
| SDev  | .3267    | 1.564    | .018     | .2973    | 1.336    | .177     | 1.722    |
| %RSD  | 132.1    | 131.1    | 1.121    | 81.45    | 88.82    | 15.99    | 96.45    |

|    |       |       |       |        |        |       |        |
|----|-------|-------|-------|--------|--------|-------|--------|
| #1 | .4782 | .0368 | 1.623 | -.5753 | -.5594 | .9825 | -3.002 |
| #2 | .0162 | 2.299 | 1.598 | -.1548 | -2.448 | 1.233 | -.5677 |

| Errors | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
|--------|---------|---------|---------|---------|---------|---------|---------|
| High   | 10000.  | 25000.  |         |         |         |         |         |
| Low    | -60.00  | -10.00  |         |         |         |         |         |

| Elem  | 19602    | Sn1899   | Ti3349   | Bi2230   |
|-------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter |

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|        |         |         |         |         |
|--------|---------|---------|---------|---------|
| Avge   | -3.546  | -2.451  | 4.438   | 1.655   |
| SDav   | 1.928   | 3.764   | .816    | .458    |
| %RSD   | 54.37   | 153.6   | 18.40   | 27.66   |
| #1     | -2.183  | -5.112  | 3.861   | 1.978   |
| #2     | -4.909  | .2105   | 5.015   | 1.331   |
| Errors | NOCHECK | LC Pass | LC Pass | LC Pass |
| High   |         | 10000.  | 10000.  | 10000.  |
| Low    |         | -20.00  | -30.00  | -10.00  |

|        |          |          |         |         |         |         |         |
|--------|----------|----------|---------|---------|---------|---------|---------|
| IntStd | 1        | 2        | 3       | 4       | 5       | 6       | 7       |
| Mode   | Counts   | Time     | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem   | Y        | --       | --      | --      | --      | --      | --      |
| Wavlen | 371.030  | --       | --      | --      | --      | --      | --      |
| Avge   | 867      | 1000     | --      | --      | --      | --      | --      |
| SDav   | .5185913 | .0000000 | --      | --      | --      | --      | --      |
| %RSD   | .0597861 | .0000000 | --      | --      | --      | --      | --      |
| #1     | 867      | 1000     | --      | --      | --      | --      | --      |
| #2     | 868      | 1000     | --      | --      | --      | --      | --      |

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## Analysis Report

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Method: CLPSUE Sample Name: 788043  
 Run Time: 03/09/96 15:31:31  
 Comment: SDG:1 ClientID:C#-KEY-1  
 Mode: CONC Corr. Factor: 1

#29 Operator:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | Ba4934   | Be3130   | Ca3179   | Cd2265   | Co2286   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avge   | .6224    | 72.89    | 2.249    | .1941    | 10390.   | -.4151   | -.1839   |
| SEDev  | .2748    | 3.68     | .039     | .0563    | 51.      | .2278    | .1700    |
| SRSD   | 44.15    | 5.042    | 1.727    | 28.98    | .4944    | 54.89    | 92.50    |
| #1     | .4281    | 75.49    | 2.221    | .2338    | 10350.   | -.5762   | -.3039   |
| #2     | .8167    | 70.29    | 2.276    | .1543    | 10420.   | -.2540   | -.0636   |
| Errors | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  |
| High   | 2500.    | 600000.  | 25000.   | 25000.   | 600000.  | 25000.   | 25000.   |
| Low    | -10.00   | -200.0   | -200.0   | -5.000   | -5000.   | -5.000   | -50.00   |
| Elem   | Cd2677   | Cu3247   | Fe2714   | K_7864   | Mg2790   | Mn2576   | Ni2020   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avge   | .9362    | 1178.    | 1184.    | 580.0    | 4029.    | 7.185    | -.2682   |
| SEDev  | .3758    | 5.       | 36.      | 2.5      | 11.      | .135     | .1290    |
| SRSD   | 39.30    | 12341    | 3.018    | 14242    | 12807    | 1.830    | 48.03    |
| #1     | .6995    | 1150.    | 1158.    | 579.4    | 4021.    | 7.091    | -.1770   |
| #2     | 1.222    | 1176.    | 1209.    | 582.6    | 4037.    | 7.282    | -.3594   |
| Errors | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  |
| High   | 25000.   | 25000.   | 500000.  | 450000.  | 2000000. | 25000.   | 25000.   |
| Low    | -10.00   | -25.00   | -100.0   | -5000.   | -3000.   | -15.00   | -3.000   |
| Elem   | Ni2302   | Ni2316   | Ti1908   | V_2024   | Zn2108   | Zn2203   | Zn1900   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avge   | 4363.    | 21993    | 11082    | 12675    | 55.99    | 246.0    | -1.212   |
| SEDev  | 91.      | 1030     | 1.901    | 1.882    | .31      | 1.0      | .389     |
| SRSD   | 2.320    | 5.073    | 184.1    | 31.10    | 1.5464   | 1.8905   | 30.24    |
| #1     | 4299.    | 2.869    | -2.376   | -.3263   | 55.77    | 245.3    | -.9806   |
| #2     | 4427.    | 2.996    | .3116    | -.2087   | 56.20    | 246.6    | -1.483   |
| Errors | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  |
| High   | 600000.  | 25000.   | 25000.   | 25000.   | 25000.   | 25000.   | 25000.   |
| Low    | -5000.   | -40.00   | -10.00   | -50.00   | -20.00   | -3.000   | -5.000   |
| Elem   | Sb2068   | As1890   | Zn2031   | Zn2032   | Zn2081   | Zn2082   | Zn1901   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avge   | 1.854    | 1.624    | 247.9    | 245.0    | .6127    | 2.460    | -1.321   |
| SEDev  | .046     | 1.630    | .0       | 1.4      | .2000    | .030     | 3.143    |
| SRSD   | 2.480    | 100.3    | .0124    | .5815    | 32.65    | 1.208    | 237.9    |
| #1     | 1.821    | 2.777    | 247.9    | 244.0    | .4712    | 2.481    | -3.543   |
| #2     | 1.886    | .4718    | 247.9    | 246.0    | .7541    | 2.439    | .9016    |
| Errors | LC Pass  | LC Pass  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  |
| High   | 10000.   | 25000.   |          |          |          |          |          |
| Low    | -60.00   | -10.00   |          |          |          |          |          |
| Elem   | Pb1802   | Pb1899   | Ti3349   | Bi2230   |          |          |          |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter |          |          |          |

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|        |         |         |         |         |
|--------|---------|---------|---------|---------|
| Avge   | -1.186  | 19.68   | 5.548   | .1270   |
| SDev   | 2.123   | .29     | 1.847   | 1.308   |
| %RSD   | 179.0   | 1.483   | 33.29   | 1020.   |
| #1     | .3149   | 19.89   | 4.742   | 1.052   |
| #2     | -2.688  | 19.47   | 6.854   | -.7978  |
| Errors | NOCHECK | LC Pass | LC Pass | LC Pass |
| High   |         | 10000.  | 10000.  | 10000.  |
| Low    |         | -20.00  | -30.00  | -10.00  |

|        |          |          |         |         |         |         |         |
|--------|----------|----------|---------|---------|---------|---------|---------|
| IntStd | 1        | 2        | 3       | 4       | 5       | 6       | 7       |
| Mode   | Counts   | Time     | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem   | Y        | --       | ---     | --      | --      | --      | --      |
| Wavlen | 371.030  | --       | ---     | --      | --      | --      | --      |
| Avge   | 864      | 1000     | --      | --      | --      | --      | --      |
| SDev   | .4714189 | .0000000 | --      | --      | --      | --      | --      |
| %RSD   | .0545344 | .0000000 | --      | --      | --      | --      | --      |
| #1     | 865      | 1000     | --      | --      | --      | --      | --      |
| #2     | 864      | 1000     | --      | --      | --      | --      | --      |

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## Analysis Report

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Method: CLPSUE Sample Name: 788044 #30 Operator:  
 Run Time: 03/09/96 15:36:55  
 Comment: SDG:1 ClientID:C#-KEY-2 1:1  
 Mode: CONC Corr. Factor: 1

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | Ba4934   | Be3130   | Ca3179   | Cd2265   | Co2286   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avge   | .0228    | 185.9    | 2.165    | .1020    | 10610.   | -.3855   | -.1688   |
| SDev   | .1374    | .8       | .902     | .0095    | 14.      | .1115    | .1481    |
| SRSD   | 602.7    | .4280    | .1010    | 9.344    | .1355    | 28.92    | 87.70    |
| #1     | -.0744   | 185.3    | 2.167    | .0953    | 10620.   | -.3067   | -.0641   |
| #2     | .1200    | 186.5    | 2.163    | .1087    | 10600.   | -.4644   | -.2735   |
| Errors | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  |
| High   | 2500.    | 600000.  | 25000.   | 25000.   | 600000.  | 25000.   | 25000.   |
| Low    | -10.00   | -200.0   | -200.0   | -5.000   | -5000.   | -5.000   | -50.00   |
| Elem   | Cr2677   | Cu3247   | Fe2714   | K_7664   | Mg2790   | Mn2576   | Mo2020   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avge   | .5336    | 71.44    | 44.23    | 63376    | 4171.    | .8248    | -.3884   |
| SDev   | .0389    | .01      | .72      | 3.1      | 0.       | .0242    | .5718    |
| SRSD   | 7.293    | .0201    | 1.773    | .4647    | .1007    | 2.803    | 134.7    |
| #1     | .5361    | 71.43    | 44.33    | 631.8    | 4175.    | .8175    | -.7730   |
| #2     | .5311    | 71.45    | 43.72    | 637.3    | 4166.    | .8317    | .1247    |
| Errors | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  |
| High   | 25000.   | 25000.   | 500000.  | 450000.  | 500000.  | 25000.   | 25000.   |
| Low    | -10.00   | -25.00   | -100.0   | -1000.   | -5000.   | -15.00   | -3.000   |
| Elem   | Na3302   | Ni2315   | Ti1003   | V_2024   | Zn2136   | Zn2233   | Zn1280   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avge   | 4739.    | .3827    | 1.133    | 13476    | 8.483    | 1.314    | -1.284   |
| SDev   | 105.     | .3260    | .030     | .1709    | .023     | .461     | 1.722    |
| SRSD   | 2.203    | 67.96    | 4.139    | 359.2    | .2734    | 24.06    | 134.1    |
| #1     | 4833.    | .3827    | 1.133    | .1685    | 8.447    | 1.588    | -2.501   |
| #2     | 4685.    | .3027    | 1.220    | -.0733   | 8.479    | 2.240    | -.3862   |
| Errors | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  |
| High   | 600000.  | 25000.   | 25000.   | 25000.   | 25000.   | 25000.   | 25000.   |
| Low    | -5000.   | -40.00   | -10.00   | -50.00   | -20.00   | -3.000   | -5.000   |
| Elem   | Sb2068   | As1890   | Zn2031   | Zn2032   | Zn2081   | Zn2082   | Zn19601  |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avge   | .6198    | -.5865   | 2.126    | 1.795    | -1.116   | 1.473    | .9223    |
| SDev   | .5398    | .4613    | .151     | .766     | .594     | 1.106    | .2697    |
| SRSD   | 87.09    | 78.66    | 7.097    | 42.67    | 53.26    | 75.10    | 29.24    |
| #1     | 1.001    | -.9127   | 2.233    | 1.253    | -1.536   | 2.255    | 1.113    |
| #2     | .2381    | -.2603   | 2.019    | 2.336    | -.6957   | .6906    | .7316    |
| Errors | LC Pass  | LC Pass  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  |
| High   | 10000.   | 25000.   |          |          |          |          |          |
| Low    | -60.00   | -10.00   |          |          |          |          |          |
| Elem   | 19602    | Sn1899   | Ti3349   | Bi2230   |          |          |          |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter |          |          |          |

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## Analysis Report

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|        |          |          |         |         |         |         |         |
|--------|----------|----------|---------|---------|---------|---------|---------|
| Avge   | -2.399   | -3.439   | 4.994   | .3098   |         |         |         |
| SDev   | 2.716    | 3.061    | 2.755   | .9291   |         |         |         |
| %RSD   | 113.2    | 88.99    | 55.17   | 299.9   |         |         |         |
| #1     | -4.320   | -5.603   | 6.942   | -.3472  |         |         |         |
| #2     | -.4781   | -1.275   | 3.046   | .9667   |         |         |         |
| Errors | NOCHECK  | LC Pass  | LC Pass | LC Pass |         |         |         |
| High   |          | 10000.   | 10000.  | 10000.  |         |         |         |
| Low    |          | -20.00   | -30.00  | -10.00  |         |         |         |
| IntStd | 1        | 2        | 3       | 4       | 5       | 6       | 7       |
| Mode   | Counts   | Time     | NOTUSED | NCTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem   | Y        | --       | --      | --      | --      | --      | --      |
| Wavlen | 371.030  | --       | --      | --      | --      | --      | --      |
| Avge   | 872      | 1000     | --      | --      | --      | --      | --      |
| SDev   | 1.885719 | .0000000 | --      | --      | --      | --      | --      |
| %RSD   | .2161422 | .0000000 | --      | --      | --      | --      | --      |
| #1     | 371      | 1000     | --      | --      | --      | --      | --      |
| #2     | 374      | 1000     | --      | --      | --      | --      | --      |

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## Analysis Report

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Method: CLPSUE Sample Name: 788045 #31 Operator:  
 Run Time: 03/09/96 15:42:19  
 Comment: SDG:1 ClientID:C#-KEY-3 1:1  
 Mode: CONC Corr. Factor: 1.

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | Ba4934   | Be3130   | Ca3179   | Cd2265   | Co2286   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc   | -.2590   | 151.0    | 5.813    | .2300    | 9460.    | -.3387   | .5937    |
| SDev   | .0162    | .4       | .001     | .0198    | 19.      | .0162    | .2267    |
| %RSD   | 6.242    | .2614    | .0234    | 8.610    | .1990    | 4.786    | 38.18    |
| #1     | -.2705   | 151.3    | 5.814    | .2160    | 9473.    | -.3502   | .4334    |
| #2     | -.2476   | 150.7    | 5.812    | .2440    | 9447.    | -.3273   | .7540    |
| Errors | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  |
| High   | 2500.    | 600000.  | 25000.   | 25000.   | 600000.  | 25000.   | 25000.   |
| Low    | -10.00   | -200.0   | -200.0   | -5.000   | -5000.   | -5.000   | -50.00   |
| Elem   | Cr2677   | Cu3247   | Fe2714   | K_7004   | Mg2790   | Mn2576   | Mo2020   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc   | .8585    | 772.8    | 101.7    | 708.6    | 5711.    | 25.27    | -.2806   |
| SDev   | .3340    | 3.4      | 1.0      | 2.6      | 7.       | .05      | .0072    |
| %RSD   | 38.99    | .3152    | .9837    | .3672    | .1215    | .1829    | 2.477    |
| #1     | 1.093    | 773.6    | 102.5    | 708.5    | 5716.    | 25.31    | -.2816   |
| #2     | .6284    | 774.0    | 101.0    | 704.3    | 5707.    | 25.24    | -.2817   |
| Errors | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  |
| High   | 25000.   | 25000.   | 300000.  | 400000.  | 600000.  | 25000.   | 25000.   |
| Low    | -10.00   | -20.00   | -100.0   | -8000.   | -30000.  | -15.00   | -20.000  |
| Elem   | Na3302   | Ni2315   | Pb1908   | V_0324   | Zn2133   | Zr2203   | Se1960   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc   | 10890.   | 6.680    | -.4542   | -.0833   | 188.0    | 54.71    | -2.620   |
| SDev   | 14.      | .114     | .0361    | .0035    | .12      | .130     | .025     |
| %RSD   | .1308    | 1.724    | 7.951    | 4.297    | .1236    | .3558    | .9793    |
| #1     | 10890.   | 6.519    | -.4286   | -.0885   | 185.9    | 54.50    | -2.638   |
| #2     | 10880.   | 6.680    | -.4707   | -.0814   | 180.1    | 54.93    | -2.602   |
| Errors | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  |
| High   | 300000.  | 25000.   | 25000.   | 25000.   | 25000.   | 25000.   | 25000.   |
| Low    | -3000.   | -40.00   | -10.00   | -50.00   | -20.00   | -3.000   | -5.000   |
| Elem   | Sb2068   | As1990   | 22031    | 22032    | 20681    | 20682    | 19601    |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc   | .6734    | -.2126   | 55.98    | 54.06    | -.1659   | 1.079    | 1.179    |
| SDev   | .1778    | .6449    | 1.34     | .21      | .4526    | .492     | 2.931    |
| %RSD   | 26.40    | 303.4    | 2.387    | .3907    | 272.9    | 45.66    | 248.6    |
| #1     | .5477    | .2435    | 55.04    | 54.21    | .1542    | .7304    | 3.252    |
| #2     | .7991    | -.6686   | 56.93    | 53.91    | -.4859   | 1.427    | -.8938   |
| Errors | LC Pass  | LC Pass  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  |
| High   | 10000.   | 25000.   |          |          |          |          |          |
| Low    | -60.00   | -10.00   |          |          |          |          |          |
| Elem   | 19602    | Sn1899   | Ti3349   | Bi2230   |          |          |          |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter |          |          |          |

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## Analysis Report

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|        |         |         |         |         |
|--------|---------|---------|---------|---------|
| Avge   | -4.531  | -2.054  | 4.812   | 1.985   |
| SDev   | 1.502   | 3.300   | 2.910   | .255    |
| %RSD   | 33.15   | 160.7   | 60.48   | 12.87   |
| #1     | -5.593  | -4.387  | 6.869   | 1.804   |
| #2     | -3.469  | .2800   | 2.754   | 2.165   |
| Errors | NOCHECK | LC Pass | LC Pass | LC Pass |
| High   |         | 10000.  | 10000.  | 10000.  |
| Low    |         | -20.00  | -30.00  | -10.00  |

| IntStd | 1        | 2        | 3       | 4       | 5       | 6       | 7       |
|--------|----------|----------|---------|---------|---------|---------|---------|
| Mode   | Counts   | Time     | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem   | Y        | --       | --      | --      | --      | --      | --      |
| Wavlen | 371.030  | --       | ----    | ----    | ----    | ----    | ----    |
| Avge   | 873      | 1000     | --      | --      | --      | --      | --      |
| SDev   | 2.545740 | .0000000 | --      | --      | --      | --      | --      |
| %RSD   | .2915491 | .0000000 | --      | --      | --      | --      | --      |
| #1     | 371      | 1000     | --      | --      | --      | --      | --      |
| #2     | 875      | 1000     | --      | --      | --      | --      | --      |

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Analysis Report

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Method: CLPSUE Sample Name: 788046  
 Run Time: 03/09/96 15:47:43  
 Comment: SDG:1 ClientID:C#-KEY-4  
 Mode: CONC Corr. Factor: 1

#32 Operator:

1:1

| Elem  | Ag3280   | Al3082   | Ba4934   | Be3130   | Ca3179   | Cd2265   | Co2286   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avge  | .1126    | 153.4    | 5.372    | .1540    | 9424.    | -.4514   | .4712    |
| SDev  | .0081    | 2.1      | .053     | .0526    | 7.       | .0602    | .3751    |
| %RSD  | 7.174    | 1.351    | .9845    | 34.13    | .0778    | 13.34    | 79.61    |

|    |       |       |       |       |       |        |       |
|----|-------|-------|-------|-------|-------|--------|-------|
| #1 | .1069 | 154.9 | 5.409 | .1912 | 9419. | -.4940 | .2060 |
| #2 | .1184 | 151.9 | 5.334 | .1168 | 9429. | -.4089 | .7365 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High   | 2500.   | 600000. | 25000.  | 25000.  | 600000. | 25000.  | 25000.  |
| Low    | -10.00  | -200.0  | -200.0  | -5.000  | -5000.  | -5.000  | -50.00  |

| Elem  | Cr3677   | Cu3247   | Fe2714   | K_7664   | Mg2790   | Mn2576   | Mo2020   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avge  | .3849    | 71.97    | 77.28    | 695.0    | 5798.    | 22.50    | .1510    |
| SDev  | .0022    | .132     | 1.58     | 4.2      | 5.       | .02      | .0680    |
| %RSD  | .2352    | .4482    | 2.043    | .5982    | .0018    | .0792    | 45.43    |

|    |       |       |       |       |       |       |       |
|----|-------|-------|-------|-------|-------|-------|-------|
| #1 | .3857 | 71.74 | 78.39 | 637.9 | 5795. | 22.49 | .1950 |
| #2 | .3824 | 72.20 | 76.16 | 692.0 | 5802. | 22.51 | .1023 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High   | 25000.  | 25000.  | 250000. | 450000. | 600000. | 25000.  | 25000.  |
| Low    | -10.00  | -25.00  | -100.00 | -5000.  | -5000.  | -15.00  | -25000. |

| Elem  | Ni3302   | Ni2310   | Pb1200   | V_2924   | Zn2185   | Zn2185   | Zn2185   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avge  | 11010.   | 2.320    | 75554.   | .0485    | 12.26    | 9.623    | 1.3118   |
| SDev  | 7.       | .130     | 3227     | .0018    | .12      | 1.050    | 1.2849   |
| %RSD  | .3390    | 5.452    | 59.37    | 3.659    | 1.176    | 10.74    | 138.7    |

|    |        |       |       |       |       |       |        |
|----|--------|-------|-------|-------|-------|-------|--------|
| #1 | 11010. | 1.328 | .3223 | .0452 | 11.36 | 10.68 | -.0173 |
| #2 | 11020. | 2.113 | .7886 | .0477 | 11.17 | 9.169 | -1.806 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High   | 600000. | 25000.  | 25000.  | 25000.  | 25000.  | 25000.  | 25000.  |
| Low    | -5000.  | -40.00  | -10.00  | -50.00  | -20.00  | -3.000  | -5.000  |

| Elem  | Sb2068   | As1890   | 22031    | 22032    | 20681    | 20682    | 19601    |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avge  | .4904    | 1.002    | 11.33    | 9.207    | .3604    | .5415    | 1.129    |
| SDev  | .4986    | .625     | .53      | 1.335    | .1122    | .6915    | 1.704    |
| %RSD  | 101.7    | 62.34    | 4.646    | 14.50    | 31.14    | 127.7    | 150.9    |

|    |       |       |       |       |       |       |        |
|----|-------|-------|-------|-------|-------|-------|--------|
| #1 | .8430 | .5602 | 11.70 | 10.15 | .4398 | 1.030 | 2.334  |
| #2 | .1379 | 1.444 | 10.96 | 8.262 | .2811 | .0525 | -.0754 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| High   | 10000.  | 25000.  |         |         |         |         |         |
| Low    | -60.00  | -10.00  |         |         |         |         |         |

| Elem  | 19602    | Sn1899   | Ti3349   | Bi2230   |
|-------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter |

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## Analysis Report

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|        |         |         |         |         |
|--------|---------|---------|---------|---------|
| Avge   | -1.945  | -.8357  | 5.489   | 2.495   |
| SDev   | 1.046   | 2.9557  | 2.031   | 1.361   |
| SRSD   | 53.78   | 353.7   | 37.00   | 54.54   |
| #1     | -1.205  | -2.926  | 6.925   | 3.457   |
| #2     | -2.684  | 1.254   | 4.053   | 1.533   |
| Errors | NOCHECK | LC Pass | LC Pass | LC Pass |
| High   |         | 10000.  | 10000.  | 10000.  |
| Low    |         | -20.00  | -30.00  | -10.00  |

| IntStd | 1        | 2        | 3       | 4       | 5       | 6       | 7       |
|--------|----------|----------|---------|---------|---------|---------|---------|
| Mode   | Counts   | Time     | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem   | Y        | --       | --      | --      | --      | --      | --      |
| Wavlen | 371.030  | --       | --      | --      | --      | --      | --      |
| Avge   | 866      | 1000     | --      | --      | --      | --      | --      |
| SDev   | 1.319999 | .0000000 | --      | --      | --      | --      | --      |
| SRSD   | 1523703  | .0000000 | --      | --      | --      | --      | --      |
| #1     | 865      | 1000     | --      | --      | --      | --      | --      |
| #2     | 867      | 1000     | --      | --      | --      | --      | --      |

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## Analysis Report

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Method: CLPSUE Sample Name: 788052 #33 Operator:  
 Run Time: 03/09/96 15:53:07  
 Comment: SDG:1 ClientID:C#-KEY-5 1:1  
 Mode: CONC Corr. Factor: 1

| Elem  | Ag3230   | Al3082   | Ba4934   | Be3130   | Ca3179   | Cd2265   | Co2286   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avge  | .1308    | 69.02    | 21.02    | .1930    | 13280.   | -.4238   | -.0992   |
| SDev  | .0970    | .72      | .02      | .0129    | 26.      | .0204    | .2783    |
| %RSD  | 74.17    | 1.041    | .0840    | 6.669    | .1930    | 4.819    | 280.5    |

|    |       |       |       |       |        |        |        |
|----|-------|-------|-------|-------|--------|--------|--------|
| #1 | .0622 | 68.51 | 21.03 | .1839 | 13300. | -.4382 | .0976  |
| #2 | .1993 | 69.53 | 21.01 | .2021 | 13270. | -.4093 | -.2950 |

| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
|--------|---------|---------|---------|---------|---------|---------|---------|
| High   | 2500.   | 500000. | 25000.  | 25000.  | 500000. | 25000.  | 25000.  |
| Low    | -10.00  | -200.0  | -200.0  | -5.000  | -5000.  | -5.000  | -50.00  |

| Elem  | Cr2677   | Cu3247   | Fe2714   | K_7654   | Mg2790   | Mn2576   | Mo2020   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avge  | .8597    | 78.29    | 80.55    | 598.3    | 5496.    | 2.213    | .1239    |
| SDev  | .0341    | .18      | 1.99     | 5.4      | 13.      | .027     | .0315    |
| %RSD  | .4928    | .2245    | 2.475    | .8973    | .2284    | .2910    | 49.22    |

|    |       |       |       |       |       |       |       |
|----|-------|-------|-------|-------|-------|-------|-------|
| #1 | .8626 | 78.17 | 79.15 | 602.1 | 5505. | 2.232 | .2509 |
| #2 | .8558 | 78.42 | 81.97 | 594.5 | 5487. | 2.194 | .1212 |

| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
|--------|---------|---------|---------|---------|---------|---------|---------|
| High   | 25000.  | 25000.  | 500000. | 450000. | 500000. | 25000.  | 25000.  |
| Low    | -10.00  | -25.00  | -100.0  | -5000.  | -5000.  | -15.00  | -3.000  |

| Elem  | Na3602   | Ni3316   | Tl1008   | V_2624   | Zn2103   | Zr2203   | Se1960   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avge  | 3248.    | 1.786    | -1.305   | .0482    | 7.380    | 13.68    | -.4015   |
| SDev  | .75      | .136     | 1.737    | .1759    | .246     | .27      | .1209    |
| %RSD  | .9037    | 7.728    | 133.1    | 385.0    | 3.361    | 2.367    | 30.11    |

|    |       |       |        |        |       |       |        |
|----|-------|-------|--------|--------|-------|-------|--------|
| #1 | 3299. | 1.862 | -2.334 | .1725  | 7.555 | 15.01 | -.4870 |
| #2 | 3193. | 1.669 | -.0767 | -.0762 | 7.204 | 13.42 | -.3160 |

| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
|--------|---------|---------|---------|---------|---------|---------|---------|
| High   | 500000. | 25000.  | 25000.  | 25000.  | 25000.  | 25000.  | 25000.  |
| Low    | -5000.  | -40.00  | -10.00  | -50.00  | -20.00  | -3.000  | -5.000  |

| Elem  | Sb2068   | As1890   | 22031    | 22032    | 20681    | 20682    | 19601    |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avge  | 1.034    | -.9481   | 16.55    | 15.24    | -.1139   | 1.594    | 2.256    |
| SDev  | .023     | .0178    | .80      | .96      | .9093    | .420     | 3.605    |
| %RSD  | 2.189    | 1.877    | 4.850    | 6.284    | 798.4    | 26.36    | 159.8    |

|    |       |        |       |       |        |       |        |
|----|-------|--------|-------|-------|--------|-------|--------|
| #1 | 1.050 | -.9606 | 15.98 | 15.91 | .5291  | 1.297 | -.2923 |
| #2 | 1.018 | -.9355 | 17.12 | 14.56 | -.7568 | 1.891 | 4.805  |

| Errors | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
|--------|---------|---------|---------|---------|---------|---------|---------|
| High   | 10000.  | 25000.  |         |         |         |         |         |
| Low    | -50.00  | -10.00  |         |         |         |         |         |

| Elem  | 19602    | Sn1899   | Ti3349   | Bi2230   |
|-------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter |

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## Analysis Report

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|        |         |         |         |         |
|--------|---------|---------|---------|---------|
| Avge   | -1.742  | .9892   | 4.393   | 1.065   |
| SDev   | 1.618   | .6329   | 3.745   | .402    |
| %RSD   | 92.90   | 63.98   | 85.24   | 37.74   |
| #1     | -.5977  | 1.437   | 7.041   | .7805   |
| #2     | -2.886  | .5417   | 1.745   | 1.349   |
| Errors | NOCHECK | LC Pass | LC Pass | LC Pass |
| High   |         | 10000.  | 10000.  | 10000.  |
| Low    |         | -20.00  | -30.00  | -10.00  |

| IntStd | 1        | 2        | 3       | 4       | 5       | 6       | 7       |
|--------|----------|----------|---------|---------|---------|---------|---------|
| Mode   | Counts   | Time     | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem   | 7        | --       | ---     | ---     | ---     | ---     | ---     |
| Wavlen | 371.030  | --       | ---     | ---     | ---     | ---     | ---     |
| Avge   | 370      | 1000     | ---     | ---     | ---     | ---     | ---     |
| SDev   | 2.493568 | .0000000 | ---     | ---     | ---     | ---     | ---     |
| %RSD   | .2872784 | .0000000 | ---     | ---     | ---     | ---     | ---     |
| #1     | 368      | 1000     | ---     | ---     | ---     | ---     | ---     |
| #2     | 372      | 1000     | ---     | ---     | ---     | ---     | ---     |

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## Analysis Report

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Method: CLPSUE Sample Name: 788056 #34 Operator:  
 Run Time: 03/09/96 15:58:31  
 Comment: SDG:1 ClientID:C#-KEY-6 1:1  
 Mode: CONC Corr. Factor: 1

| Elem  | Ag3280   | Al3082   | Ba4934   | Be3130   | Ca3179   | Cd2265   | Co2286   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc  | .2847    | 89.81    | 27.45    | .2645    | 13870.   | -.3752   | -.0975   |
| SDev  | .2020    | .10      | .05      | .0226    | 65.      | .0852    | .0796    |
| %RSD  | 70.96    | .1119    | .1729    | 8.546    | .4690    | 22.71    | 81.70    |

|    |       |       |       |       |        |        |        |
|----|-------|-------|-------|-------|--------|--------|--------|
| #1 | .1419 | 89.88 | 27.41 | .2805 | 13930. | -.4354 | -.1538 |
| #2 | .4276 | 89.74 | 27.48 | .2485 | 13920. | -.3149 | -.0412 |

| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
|--------|---------|---------|---------|---------|---------|---------|---------|
| High   | 2500.   | 600000. | 25000.  | 25000.  | 600000. | 25000.  | 25000.  |
| Low    | -10.00  | -200.0  | -200.0  | -5.000  | -5000.  | -5.000  | -50.00  |

| Elem  | Cr2677   | Cu3247   | Fe2714   | K_7664   | Mg2790   | Mn2576   | Ni2020   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc  | .7126    | 176.5    | 11.07    | 587.9    | 6288.    | 13.95    | .1007    |
| SDev  | .1260    | .3       | 3.62     | 6.7      | 9.       | .15      | .3686    |
| %RSD  | 17.68    | .1826    | 32.65    | 1.145    | .1426    | 1.066    | 348.3    |

|    |       |       |       |       |       |       |        |
|----|-------|-------|-------|-------|-------|-------|--------|
| #1 | .6225 | 176.7 | 9.512 | 582.2 | 6282. | 13.34 | .3663  |
| #2 | .8317 | 176.3 | 13.83 | 591.7 | 6294. | 14.06 | -.1550 |

| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
|--------|---------|---------|---------|---------|---------|---------|---------|
| High   | 25000.  | 25000.  | 250000. | 450000. | 600000. | 25000.  | 25000.  |
| Low    | -10.00  | -25.00  | -100.0  | -5000.  | -5000.  | -15.00  | -3.000  |

| Elem  | Na3302   | Ni2316   | Ti1308   | V_2924   | Zn3126   | Pb2203   | Zr1960   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc  | 8224.    | 3.164    | .9400    | -.0079   | 32.07    | 1.331    | -.8177   |
| SDev  | .70.     | .444     | 1.374    | .0323    | .05      | .972     | 2.3185   |
| %RSD  | .8487    | 14.03    | 146.2    | 1049.    | .1715    | 33.68    | 246.3    |

|    |       |       |        |        |       |       |        |
|----|-------|-------|--------|--------|-------|-------|--------|
| #1 | 8175. | 2.850 | -.0316 | -.0055 | 32.03 | 2.079 | .6096  |
| #2 | 8274. | 3.476 | 1.912  | .0507  | 32.11 | .7036 | -2.243 |

| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
|--------|---------|---------|---------|---------|---------|---------|---------|
| High   | 600000. | 25000.  | 25000.  | 25000.  | 25000.  | 25000.  | 25000.  |
| Low    | -5000.  | -40.00  | -10.00  | -50.00  | -20.00  | -3.000  | -5.000  |

| Elem  | Sb2068   | As1890   | 22031    | 22032    | 20681    | 20682    | 19601    |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc  | .4727    | -.3903   | 3.141    | .5022    | -.7625   | 1.076    | .4447    |
| SDev  | .9104    | .8566    | .450     | 1.682    | .4756    | 1.128    | .4332    |
| %RSD  | 192.6    | 219.5    | 14.32    | 334.9.   | 62.37    | 104.8    | 97.40    |

|    |        |        |       |        |        |       |       |
|----|--------|--------|-------|--------|--------|-------|-------|
| #1 | 1.116  | -.9960 | 2.823 | 1.692  | -.4262 | 1.873 | .7510 |
| #2 | -.1711 | .2154  | 3.459 | -.6873 | -1.099 | .2782 | .1384 |

| Errors | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
|--------|---------|---------|---------|---------|---------|---------|---------|
| High   | 10000.  | 25000.  |         |         |         |         |         |
| Low    | -60.00  | -10.00  |         |         |         |         |         |

| Elem  | 19602    | Sn1899   | Ti3349   | Bi2230   |
|-------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter |

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## Analysis Report

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|        |          |          |         |         |         |         |         |
|--------|----------|----------|---------|---------|---------|---------|---------|
| Avge   | -1.463   | -5.833   | 4.115   | .7533   |         |         |         |
| SDay   | 2.811    | .427     | 3.076   | .0267   |         |         |         |
| %RSD   | 192.2    | 7.316    | 74.76   | 3.546   |         |         |         |
| #1     | .5252    | -5.531   | 1.940   | .7722   |         |         |         |
| #2     | -3.451   | -6.134   | 6.290   | .7344   |         |         |         |
| Errors | NOCHECK  | LC Pass  | LC Pass | LC Pass |         |         |         |
| High   |          | 10000.   | 10000.  | 10000.  |         |         |         |
| Low    |          | -20.00   | -30.00  | -10.00  |         |         |         |
| IntStd | 1        | 2        | 3       | 4       | 5       | 6       | 7       |
| Mode   | Counts   | Time     | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem   | Y        | --       | --      | --      | --      | --      | --      |
| Wavlen | 371.030  | --       | --      | --      | --      | --      | --      |
| Avge   | 871      | 1000     | --      | --      | --      | --      | --      |
| SDay   | 1.272627 | .0000000 | --      | --      | --      | --      | --      |
| %RSD   | .1461832 | .0000000 | --      | --      | --      | --      | --      |
| #1     | 872      | 1000     | --      | --      | --      | --      | --      |
| #2     | 870      | 1000     | --      | --      | --      | --      | --      |

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## Analysis Report

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Method: CLPSUE Sample Name: 788057 #35 Operator:  
 Run Time: 03/09/96 16:03:54  
 Comment: SDG:1 ClientID:C#-KEY- 7 1:1  
 Mode: CONC Corr. Factor: 1

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | Ba4934   | Be3130   | Ca3179   | Cd2265   | Co2286   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc   | .2114    | 143.8    | 1.924    | .1017    | 10420.   | -.4413   | -.1994   |
| SDcv   | .0485    | .7       | .032     | .0187    | 27.      | .1166    | .0108    |
| SRSD   | 22.94    | .4963    | 1.683    | 18.34    | .2549    | 26.43    | 5.697    |
| #1     | .1771    | 143.3    | 1.947    | .1149    | 10440.   | -.3589   | -.1818   |
| #2     | .2457    | 144.3    | 1.901    | .0386    | 10400.   | -.5238   | -.1970   |
| Errors | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  |
| High   | 2500.    | 600000.  | 25000.   | 25000.   | 600000.  | 25000.   | 25000.   |
| Low    | -10.00   | -200.0   | -200.0   | -5.000   | -5000.   | -5.000   | -50.00   |
| Elem   | Cr2677   | Cu3247   | Fe2714   | K_7664   | Mg2780   | Mn2576   | Mo2020   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc   | .4203    | 200.0    | 19.75    | 616.0    | 4073.    | .9787    | -.8243   |
| SDcv   | .2934    | 1.1      | .75      | 6.8      | 2.       | .0750    | .2897    |
| SRSD   | 63.61    | .5500    | 3.616    | 1.099    | .0687    | 3.523    | 43.16    |
| #1     | .6278    | 199.2    | 20.29    | 620.8    | 4075.    | .9268    | -.4342   |
| #2     | .2138    | 202.7    | 19.23    | 511.2    | 4071.    | .9627    | -.8155   |
| Errors | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  |
| High   | 25000.   | 25000.   | 300000.  | 450000.  | 600000.  | 25000.   | 25000.   |
| Low    | -10.00   | -25.00   | -100.0   | -5000.   | -5000.   | -15.00   | -3.000   |
| Elem   | Ni2303   | Ni2315   | Ti2908   | V_2924   | Zn2138   | Pb2303   | Sr1750   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc   | 4748.    | 1.298    | -.1941   | .1140    | 14.40    | 15.58    | .0204    |
| SDcv   | 102.     | .031     | .0343    | .0676.   | .02      | .21      | 1.615    |
| SRSD   | 2.133    | 7.019    | 17.66    | 76.84    | .1454    | 1.260    | 7912.    |
| #1     | 4819.    | 1.363    | -.2183   | .1759    | 14.41    | 16.41    | -1.121   |
| #2     | 4974.    | 1.234    | -.1698   | .0320    | 14.33    | 16.71    | 1.162    |
| Errors | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  |
| High   | 600000.  | 25000.   | 25000.   | 25000.   | 25000.   | 25000.   | 25000.   |
| Low    | -5000.   | -40.00   | -10.00   | -50.00   | -20.00   | -3.000   | -5.000   |
| Elem   | Sb2068   | As1890   | 22031    | 22032    | 20681    | 20682    | 19601    |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc   | -.0769   | .3097    | 17.65    | 16.00    | -.2429   | -.0078   | .0920    |
| SDcv   | 1.2645   | 1.759    | .42      | .52      | .8994    | 1.4469   | .8762    |
| SRSD   | 1644.    | 568.0    | 2.363    | 3.280    | 370.3    | 18500.   | 952.9    |
| #1     | -.9711   | 1.553    | 17.94    | 15.63    | -.8789   | -1.031   | -.5275   |
| #2     | .8172    | -.9341   | 17.35    | 16.37    | .3931    | 1.015    | .7115    |
| Errors | LC Pass  | LC Pass  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  |
| High   | 10000.   | 25000.   |          |          |          |          |          |
| Low    | -60.00   | -10.00   |          |          |          |          |          |
| Elem   | 19602    | Sn1899   | Ti3349   | Bi2230   |          |          |          |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter |          |          |          |

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## Analysis Report

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|        |          |          |         |         |         |         |         |
|--------|----------|----------|---------|---------|---------|---------|---------|
| Avg    | -1.0291  | 1.587    | 2.015   | 1.606   |         |         |         |
| SDev   | 1.9837   | 1.208    | 3.783   | 2.696   |         |         |         |
| %RSD   | 6817.    | 76.09    | 187.8   | 167.8   |         |         |         |
| #1     | -1.432   | .7332    | 4.689   | 3.512   |         |         |         |
| #2     | 1.374    | 2.441    | -.6603  | -.3000  |         |         |         |
| Errors | NOCHECK  | LC Pass  | LC Pass | LC Pass |         |         |         |
| High   |          | 10000.   | 10000.  | 10000.  |         |         |         |
| Low    |          | -20.00   | -30.00  | -10.00  |         |         |         |
| IntStd | 1        | 2        | 3       | 4       | 5       | 6       | 7       |
| Mode   | Counts   | Time     | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem   | Y        | --       | --      | --      | --      | --      | --      |
| Wavlen | 371.030  | --       | --      | --      | --      | --      | --      |
| Avg    | 870      | 1000     | --      | --      | --      | --      | --      |
| SDev   | 3.252846 | .0000000 | --      | --      | --      | --      | --      |
| %RSD   | .3740580 | .0000000 | --      | --      | --      | --      | --      |
| #1     | 867      | 1000     | --      | --      | --      | --      | --      |
| #2     | 872      | 1000     | --      | --      | --      | --      | --      |

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Analysis Report

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Method: CLPSUE Sample Name: 788058  
 Run Time: 03/09/96 16:09:18  
 Comment: SDG:1 ClientID:C#-KEY-8 1:1  
 Mode: CONC Corr. Factor: 1

#36 Operator:

| Elem  | Ag3280   | Al3082   | Ba4934   | Be3130   | Ca3179   | Cd2265   | Co2286   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avge  | .0571    | 82.86    | 1.745    | .1742    | 10530.   | -.3109   | -.1855   |
| SDev  | .0566    | .71      | .018     | .0180    | 1.       | .1633    | .1622    |
| %RSD  | 99.09    | .8515    | 1.053    | 10.35    | .0103    | 52.52    | 87.77    |

|    |       |       |       |       |        |        |        |
|----|-------|-------|-------|-------|--------|--------|--------|
| #1 | .0971 | 83.35 | 1.758 | .1615 | 10520. | -.4264 | -.0704 |
| #2 | .0171 | 82.36 | 1.732 | .1870 | 10530. | -.1955 | -.2006 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High   | 2500.   | 600000. | 25000.  | 25000.  | 600000. | 25000.  | 25000.  |
| Low    | -10.00  | -200.0  | -200.0  | -5.000  | -5000.  | -5.000  | -50.00  |

| Elem  | Cr2577   | Cu3247   | Fe2714   | K_7684   | Mg2790   | Mn2576   | Mo2020   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avge  | .7109    | 72.37    | 11.06    | 604.5    | 4127.    | .7083    | -.3320   |
| SDev  | .2076    | .22      | 1.44     | 2.6      | 1.       | .0000    | .3238    |
| %RSD  | 29.20    | .3039    | 13.01    | .4236    | .0267    | .0312    | 97.53    |

|    |       |       |       |       |       |       |        |
|----|-------|-------|-------|-------|-------|-------|--------|
| #1 | .8576 | 72.22 | 12.08 | 606.5 | 4128. | .7093 | -.5610 |
| #2 | .3641 | 72.53 | 10.04 | 602.7 | 4126. | .7085 | -.1080 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High   | 25000.  | 25000.  | 300000. | 450000. | 500000. | 25000.  | 10000.  |
| Low    | -10.00  | -25.00  | -100.00 | -5000.  | -5000.  | -10.00  | -2.000  |

| Elem  | Ni3302   | Ni3310   | Ti1908   | V_3924   | Zn2138   | Pb2203   | Cd1060   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avge  | 4631.    | 1.141    | 45203    | .1151    | 8.457    | 2.205    | -1.348   |
| SDev  | 7.       | .044     | 1120     | .0920    | .115     | .253     | .931     |
| %RSD  | .1555    | 3.895    | 24.19    | 79.89    | 1.364    | 12.64    | 47.83    |

|    |       |       |       |       |       |       |        |
|----|-------|-------|-------|-------|-------|-------|--------|
| #1 | 4628. | 1.173 | 44133 | .0501 | 8.539 | 1.826 | -1.289 |
| #2 | 4633. | 1.110 | 46292 | 41832 | 8.376 | 2.185 | -2.286 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High   | 600000. | 25000.  | 25000.  | 25000.  | 25000.  | 25000.  | 25000.  |
| Low    | -5000.  | -40.00  | -10.00  | -50.00  | -20.00  | -3.000  | -5.000  |

| Elem  | Sb2068   | As1890   | 22031    | 22032    | 20681    | 20682    | 19601    |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avge  | .6363    | -1.557   | 2.290    | 1.850    | .1906    | .8450    | -2.055   |
| SDev  | .4949    | 2.045    | .083     | .422     | .0574    | .7133    | 1.893    |
| %RSD  | 77.78    | 131.3    | 3.638    | 22.79    | 30.10    | 84.42    | 92.09    |

|    |       |        |       |       |       |       |        |
|----|-------|--------|-------|-------|-------|-------|--------|
| #1 | .9862 | -.1115 | 2.349 | 1.551 | .2312 | 1.349 | -.7170 |
| #2 | .2863 | -3.003 | 2.231 | 2.148 | .1500 | .3406 | -3.394 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| High   | 10000.  | 25000.  |         |         |         |         |         |
| Low    | -60.00  | -10.00  |         |         |         |         |         |

| Elem  | 19602    | Sn1899   | Ti3349   | Bi2230   |
|-------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter |

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|      |        |        |       |        |
|------|--------|--------|-------|--------|
| Avg  | -1.907 | -4.485 | 4.018 | -.0155 |
| SDev | .451   | .857   | .074  | .0344  |
| %RSD | 23.67  | 19.10  | 1.849 | 221.1  |

|    |        |        |       |        |
|----|--------|--------|-------|--------|
| #1 | -1.588 | -3.279 | 3.965 | -.0398 |
| #2 | -2.227 | -5.091 | 4.071 | .0088  |

|        |         |         |         |         |
|--------|---------|---------|---------|---------|
| Errors | NOCHECK | LC Pass | LC Pass | LC Pass |
| High   |         | 10000.  | 10000.  | 10000.  |
| Low    |         | -20.00  | -30.00  | -10.00  |

|        |          |          |         |         |         |         |         |
|--------|----------|----------|---------|---------|---------|---------|---------|
| IntStd | 1        | 2        | 3       | 4       | 5       | 6       | 7       |
| Mode   | Counts   | Time     | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem   | Y        | --       | --      | --      | --      | --      | --      |
| Wavlen | 371.030  | --       | --      | --      | --      | --      | --      |
| Avg    | 871      | 1000     | --      | --      | --      | --      | --      |
| SDev   | .6123489 | .0000000 | --      | --      | --      | --      | --      |
| %RSD   | .0703662 | .0000000 | --      | --      | --      | --      | --      |
| #1     | 871      | 1000     | --      | --      | --      | --      | --      |
| #2     | 871      | 1000     | --      | --      | --      | --      | --      |

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Method: CLPSUE      Sample Name: CCV      Operator:  
 Run Time: 03/09/96 16:14:42  
 Comment: CCV CVS1  
 Mode: CONC      Corr. Factor: 1

|       |          |          |          |          |          |          |          |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Elem  | Ag3280   | Al3082   | Ba4934   | Be3130   | Ca3179   | Cd2265   | Co2286   |
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | 101.1    | 2009.    | 994.9    | 1017.    | 50200.   | 992.7    | 1016.    |
| SDev  | .3       | 1.       | .3       | 3.       | 202.     | 1.7      | 3.       |
| %RSD  | .2556    | .0417    | .0338    | .2928    | .4027    | .1668    | .3199    |

|    |       |       |       |       |        |       |       |
|----|-------|-------|-------|-------|--------|-------|-------|
| #1 | 100.9 | 2010. | 995.1 | 1015. | 50060. | 991.5 | 1014. |
| #2 | 101.3 | 2009. | 994.7 | 1019. | 50340. | 993.9 | 1018. |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass |
| Value  | 100.0   | 2000.   | 1000.   | 1000.   | 50000.  | 1000.   | 1000.   |
| Range  | 10.50   | 10.50   | 10.50   | 10.50   | 10.50   | 10.50   | 10.50   |

|       |          |          |          |          |          |          |          |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Elem  | Cr2677   | Cu3247   | Fe2714   | H_7664   | Hg2790   | Mn2576   | Mo2023   |
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | 991.5    | 1025.    | 2026.    | 48900.   | 49980.   | 1004.    | 1032.    |
| SDev  | 3.4      | .        | 8.       | 13.      | 106.     | 2.       | 2.       |
| %RSD  | .0428    | .0057    | .4048    | .0273    | .2113    | .2493    | .1963    |

|    |       |       |       |        |        |       |       |
|----|-------|-------|-------|--------|--------|-------|-------|
| #1 | 993.1 | 1025. | 2021. | 48910. | 49910. | 1002. | 1031. |
| #2 | 993.9 | 1025. | 2032. | 48990. | 50060. | 1005. | 1032. |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass |
| Value  | 1000.   | 1000.   | 2000.   | 50000.  | 50000.  | 1000.   | 1000.   |
| Range  | 10.50   | 10.50   | 10.50   | 10.50   | 10.50   | 10.50   | 10.50   |

|       |          |          |          |          |          |          |          |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Elem  | Ni3332   | Ni2316   | Pb1308   | V_2024   | Zn2133   | Pb2333   | Se1860   |
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | 50000.   | 992.1    | 1056.    | 1021.    | 1021.    | 1019.    | 1037.    |
| SDev  | 32.      | 1.4      | 4.       | 2.       | 3.       | 4.       | 1.       |
| %RSD  | .1521    | .1450    | .3439    | .1784    | .3026    | .3573    | .0724    |

|    |        |       |       |       |       |       |       |
|----|--------|-------|-------|-------|-------|-------|-------|
| #1 | 49940. | 992.1 | 1061. | 1021. | 1021. | 1017. | 1037. |
| #2 | 50060. | 994.1 | 1056. | 1023. | 1026. | 1022. | 1039. |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass |
| Value  | 50000.  | 1000.   | 1000.   | 1000.   | 1000.   | 1000.   | 1000.   |
| Range  | 10.50   | 10.50   | 10.50   | 10.50   | 10.50   | 10.50   | 10.50   |

|       |          |          |          |          |          |          |          |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Elem  | Sb2068   | As1890   | 22031    | 22032    | 20691    | 20692    | 19601    |
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | 1032.    | 1045.    | 1018.    | 1020.    | 1021.    | 1037.    | 1037.    |
| SDev  | 2.       | 2.       | 1.       | 5.       | 3.       | 2.       | 3.       |
| %RSD  | .2229    | .1999    | .1399    | .4665    | .3222    | .1742    | .2743    |

|    |       |       |       |       |       |       |       |
|----|-------|-------|-------|-------|-------|-------|-------|
| #1 | 1030. | 1046. | 1017. | 1016. | 1019. | 1036. | 1039. |
| #2 | 1034. | 1043. | 1019. | 1023. | 1023. | 1039. | 1035. |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | QC Pass | QC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| Value  | 1000.   | 1000.   |         |         |         |         |         |
| Range  | 10.50   | 10.50   |         |         |         |         |         |

|       |          |          |          |          |
|-------|----------|----------|----------|----------|
| Elem  | 19602    | Sn1899   | Ti3349   | Bi2230   |
| Units | ug/liter | ug/liter | ug/liter | ug/liter |

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|        |         |         |         |         |
|--------|---------|---------|---------|---------|
| Avge   | 1038.   | 1008.   | 1001.   | 1044.   |
| SDev   | 3.      | 6.      | 1.      |         |
| SRSD   | .2452   | .6244   | .1121   | .0133   |
| #1     | 1036.   | 1004.   | 1002.   | 1044.   |
| #2     | 1040.   | 1013.   | 1000.   | 1044.   |
| Errors | NOCHECK | QC Pass | QC Pass | QC Pass |
| Value  |         | 1000.   | 1000.   | 1000.   |
| Range  |         | 10.50   | 10.50   | 10.50   |

| IntStd | 1        | 2        | 3       | 4       | 5       | 6       | 7       |
|--------|----------|----------|---------|---------|---------|---------|---------|
| Mode   | Counts   | Time     | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem   | Y        | --       | --      | --      | --      | --      | --      |
| Waylan | 371.030  | --       | --      | --      | --      | --      | --      |
| Avge   | 889      | 1000     | --      | --      | --      | --      | --      |
| SDev   | .3300321 | .0000000 | --      | --      | --      | --      | --      |
| SRSD   | .0371040 | .0000000 | --      | --      | --      | --      | --      |
| #1     | 889      | 1000     | --      | --      | --      | --      | --      |
| #2     | 890      | 1000     | --      | --      | --      | --      | --      |

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Method: CLPSUE      Sample Name: CCB  
 Run Time: 03/09/96 16:20:07  
 Comment: CCB  
 Mode: CONC      Corr. Factor: 1

Operator:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | Ba4934   | Be3130   | Ca3179   | Cd2265   | Co2286   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc   | -.0000   | -17.07   | .4606    | .4321    | -27.82   | .1807    | .2929    |
| SDev   | .1697    | .88      | .0098    | .0089    | .61      | .0695    | .2080    |
| %RSD   | 521200.  | 5.161    | 2.129    | 2.058    | 2.179    | 38.47    | 71.01    |
| #1     | -.1200   | -17.69   | .4675    | .4258    | -27.39   | .1316    | .4399    |
| #2     | .1200    | -16.45   | .4536    | .4383    | -28.25   | .2299    | .1458    |
| Errors | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  |
| Value  | .0000    | .0000    | .0000    | .0000    | .0000    | .0000    | .0000    |
| Range  | 10.00    | 200.0    | 200.0    | 5.000    | 500.0    | 5.000    | 50.00    |
| Elem   | Cr2677   | Cu3247   | Fe2714   | K_7664   | Mg2790   | Mn2576   | Mo2020   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc   | .4617    | 1.130    | 5.624    | 22.63    | 19.84    | .4413    | .0162    |
| SDev   | .0729    | .161     | 6.211    | 2.77     | 1.39     | .0001    | .0144    |
| %RSD   | 17.09    | 14.26    | 110.4    | 12.26    | 6.989    | .0204    | 89.81    |
| #1     | .4359    | 1.245    | 10.02    | 20.66    | 20.82    | .4412    | .0260    |
| #2     | .6178    | 1.016    | 1.223    | 24.59    | 18.86    | .4414    | .0283    |
| Errors | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  | NOCHECK  |
| Value  | .0000    | .0000    | .0000    | .0000    | .0000    | .0000    |          |
| Range  | 10.00    | 25.00    | 100.0    | 5000.    | 5000.    | 15.00    |          |
| Elem   | Na2202   | Ni2315   | Tl1908   | V_2924   | Zn2138   | Pb2203   | Se1960   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc   | 225.4    | .7853    | 1.172    | .5846    | -2.633   | .5161    | -1.181   |
| SDev   | 27.3     | .0831    | .481     | .0849    | .001     | .8300    | 2.622    |
| %RSD   | 12.09    | 10.56    | 41.05    | 23.29    | .0193    | 170.5    | 225.9    |
| #1     | 206.1    | .8450    | .8320    | .3045    | -2.634   | 1.135    | -3.015   |
| #2     | 244.6    | .7275    | 1.512    | .4246    | -2.633   | -.1061   | .8932    |
| Errors | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  |
| Value  | .0000    | .0000    | .0000    | .0000    | .0000    | .0000    | .0000    |
| Range  | 5000.    | 40.00    | 10.00    | 50.00    | 20.00    | 2.000    | 5.000    |
| Elem   | Sb2068   | As1890   | 22031    | 22032    | 20681    | 20682    | 19601    |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc   | 2.042    | .5354    | .7389    | .3917    | 1.832    | 2.133    | 2.184    |
| SDev   | 1.052    | 1.258    | .0251    | 1.332    | .003     | 1.578    | 6.375    |
| %RSD   | 51.50    | 234.9    | 3.396    | 340.0    | .1390    | 73.96    | 291.8    |
| #1     | 2.785    | -.3540   | .7212    | 1.334    | 1.830    | 3.249    | -2.323   |
| #2     | 1.298    | 1.425    | .7567    | -.5501   | 1.834    | 1.018    | 6.692    |
| Errors | QC Pass  | QC Pass  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  |
| Value  | .0000    | .0000    |          |          |          |          |          |
| Range  | 60.00    | 10.00    |          |          |          |          |          |
| Elem   | 19602    | Sn1899   | Ti3349   | Bi2230   |          |          |          |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter |          |          |          |

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QC Standard

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|      |        |        |       |       |
|------|--------|--------|-------|-------|
| Avge | -2.844 | -2.509 | 2.014 | .7156 |
| SDev | .749   | 1.412  | 1.250 | .7270 |
| SRSD | 26.34  | 56.29  | 62.09 | 101.6 |

|    |        |        |       |       |
|----|--------|--------|-------|-------|
| #1 | -3.374 | -3.507 | 1.130 | .2016 |
| #2 | -2.315 | -1.510 | 2.898 | 1.230 |

|        |         |         |         |         |
|--------|---------|---------|---------|---------|
| Errors | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| Value  |         |         |         |         |
| Range  |         |         |         |         |

|        |          |          |         |         |         |         |         |
|--------|----------|----------|---------|---------|---------|---------|---------|
| IntStd | 1        | 2        | 3       | 4       | 5       | 6       | 7       |
| Mode   | Counts   | Time     | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem   | Y        | --       | --      | --      | --      | --      | --      |
| Wavlen | 371.030  | --       | --      | --      | --      | --      | --      |
| Avge   | 912      | 1000     | --      | --      | --      | --      | --      |
| SDev   | .1414300 | .0000000 | --      | --      | --      | --      | --      |
| SRSD   | .0155143 | .0000000 | --      | --      | --      | --      | --      |
| #1     | 912      | 1000     | --      | --      | --      | --      | --      |
| #2     | 912      | 1000     | --      | --      | --      | --      | --      |

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Method: CLPSUE Sample Name: ~~760005~~ 123123  
 Run Time: 03/09/96 16:25:31 ~~760005~~  
 Comment: SDG:1 Client ID: ~~G#~~ ~~XXXX~~ J00/11/96  
 Mode: CONC Corr. Factor: 1

#39 Operator:

1:1

|       |          |          |          |          |          |          |          |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Elem  | Ag3280   | Al3082   | Ba4934   | Be3130   | Ca3179   | Cd2265   | Co2286   |
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | -.2629   | 378.6    | 1677.    | .4377    | H629300. | -.4458   | -.6827   |
| SDev  | .1051    | 2.3      | 2.       | .0119    | 45.      | .1130    | .0274    |
| %RSD  | 39.96    | .5951    | .1405    | 2.729    | .0071    | 25.36    | 4.020    |

|    |        |       |       |       |          |        |        |
|----|--------|-------|-------|-------|----------|--------|--------|
| #1 | -.3372 | 380.2 | 1679. | .4293 | H629300. | -.3659 | -.6632 |
| #2 | -.1826 | 377.0 | 1676. | .4462 | H629300. | -.5257 | -.7021 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC High | LC Pass | LC Pass |
| High   | 2500.   | 600000. | 25000.  | 25000.  | 600000. | 25000.  | 25000.  |
| Low    | -10.00  | -200.0  | -200.0  | -5.000  | -5000.  | -5.000  | -50.00  |

|       |          |          |          |          |          |          |          |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Elem  | Cr2677   | Cu3247   | Fe2714   | K_7664   | Mg2790   | Mn2576   | Mo2020   |
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | 33.03    | 3.256    | 38.15    | 13790.   | 52.65    | .5634    | 3.375    |
| SDev  | .10      | .059     | .73      | 15.      | 1.04     | .0295    | .063     |
| %RSD  | .3127    | 1.802    | 1.919    | .1056    | 1.973    | 5.234    | 1.868    |

|    |       |       |       |        |       |       |       |
|----|-------|-------|-------|--------|-------|-------|-------|
| #1 | 33.10 | 3.214 | 37.83 | 13800. | 51.92 | .5642 | 3.420 |
| #2 | 32.96 | 3.297 | 38.67 | 13780. | 53.39 | .5423 | 3.181 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High   | 25000.  | 25000.  | 300000. | 400000. | 600000. | 25000.  | 25000.  |
| Low    | -10.00  | -25.00  | -100.0  | -5000.  | -3000.  | -15.00  | -30.00  |

|       |          |          |          |          |          |          |          |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Elem  | Na3302   | Ni3316   | Tl1908   | V_2324   | Zn2133   | Pb2203   | Se1960   |
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | 72120.   | 1.663    | .3190    | -.0030   | 3.515    | 2.853    | -1.323   |
| SDev  | 33.      | .334     | .5552    | .0960    | .041     | 1.376    | .460     |
| %RSD  | .0453    | 20.09    | 174.4    | 1913.    | 1.164    | 51.86    | 25.05    |

|    |        |       |        |        |       |       |        |
|----|--------|-------|--------|--------|-------|-------|--------|
| #1 | 72140. | 1.609 | -.0743 | -.0729 | 3.487 | 3.626 | -1.497 |
| #2 | 72100. | 1.426 | .7123  | .0629  | 3.544 | 1.630 | -2.147 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
| High   | 600000. | 25000.  | 25000.  | 25000.  | 25000.  | 25000.  | 25000.  |
| Low    | -5000.  | -40.00  | -10.00  | -50.00  | -20.00  | -3.000  | -5.000  |

|       |          |          |          |          |          |          |          |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Elem  | Sb2068   | As1890   | 22031    | 22032    | 20681    | 20682    | 19601    |
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | .1471    | .3288    | 4.161    | 1.835    | -1.874   | 1.141    | -2.933   |
| SDev  | .7971    | .8409    | .144     | 1.991    | 1.293    | .549     | 1.830    |
| %RSD  | 541.7    | 255.7    | 3.452    | 105.6    | 69.01    | 48.13    | 62.38    |

|    |        |        |       |       |        |       |        |
|----|--------|--------|-------|-------|--------|-------|--------|
| #1 | -.4165 | .9234  | 4.262 | 3.293 | -2.789 | .7529 | -4.227 |
| #2 | .7108  | -.2658 | 4.059 | .4773 | -.9596 | 1.530 | -1.639 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| High   | 10000.  | 25000.  |         |         |         |         |         |
| Low    | -60.00  | -10.00  |         |         |         |         |         |

|       |          |          |          |          |
|-------|----------|----------|----------|----------|
| Elem  | 19602    | Sn1899   | Ti3349   | Bi2230   |
| Units | ug/liter | ug/liter | ug/liter | ug/liter |



## Analysis Report

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|      |        |        |       |       |
|------|--------|--------|-------|-------|
| Avge | -1.282 | -1.099 | 7.273 | .9291 |
| SDev | 1.603  | 3.442  | .141  | .1513 |
| SRSD | 125.1  | 313.2  | 1.942 | 16.28 |

|    |        |        |       |       |
|----|--------|--------|-------|-------|
| #1 | -.1482 | 1.335  | 7.173 | 1.036 |
| #2 | -2.416 | -3.533 | 7.373 | .8221 |

|        |         |         |         |         |
|--------|---------|---------|---------|---------|
| Errors | NOCHECK | LC Pass | LC Pass | LC Pass |
| High   |         | 10000.  | 10000.  | 10000.  |
| Low    |         | -20.00  | -50.00  | -10.00  |

|        |          |          |         |         |         |         |         |
|--------|----------|----------|---------|---------|---------|---------|---------|
| IntStd | 1        | 2        | 3       | 4       | 5       | 6       | 7       |
| Mode   | Counts   | Time     | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem   | Y        | --       | --      | --      | --      | --      | --      |
| Wavlen | 371.030  | --       | --      | --      | --      | --      | --      |
| Avge   | 808      | 1000     | --      | --      | --      | --      | --      |
| SDev   | 1.414500 | .0000000 | --      | --      | --      | --      | --      |
| SRSD   | .1751295 | .0000000 | --      | --      | --      | --      | --      |
| #1     | 807      | 1000     | --      | --      | --      | --      | --      |
| #2     | 809      | 1000     | --      | --      | --      | --      | --      |

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Method: CLPSUE      Sample Name: ICSEA      Operator:  
 Run Time: 03/09/96 16:30:54  
 Comment: ICSEA ICSEA  
 Mode: CONC      Corr. Factor: 1

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | Ba4934   | Be3130   | Ca3179   | Cd2265   | Co2286   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg    | .0814    | 558500.  | 2.312    | .4569    | 536000.  | -4.517   | -1.775   |
| SDev   | .0404    | 933.     | .030     | .0681    | 543.     | .075     | .534     |
| %RSD   | 49.68    | .1670    | 1.301    | 14.91    | .1013    | 1.654    | 30.08    |
| #1     | .0528    | 557900.  | 2.334    | .5051    | 535600.  | -4.570   | -2.153   |
| #2     | .1100    | 559200.  | 2.291    | .4088    | 536400.  | -4.465   | -1.398   |
| Errors | NOCHECK  | QC Pass  | NOCHECK  | NOCHECK  | QC Pass  | NOCHECK  | NOCHECK  |
| Value  |          | 524200.  |          |          | 547900.  |          |          |
| Range  |          | 50.00    |          |          | 50.00    |          |          |
| Elem   | Ci2677   | Cu3247   | Fe2714   | K_7864   | Mg2790   | Mn2576   | Nc2020   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg    | 26.38    | 4.227    | 208200.  | 23.57    | 545200.  | -18.42   | -2.578   |
| SDev   | .45      | .059     | .148.    | .283     | .2084.   | .16      | .808     |
| %RSD   | 1.703    | 1.392    | 0.0722   | 9.877    | .3822    | .8348    | 23.67    |
| #1     | 29.70    | 4.289    | 208100.  | 31.57    | 543700.  | -18.31   | -2.148   |
| #2     | 23.06    | 4.138    | 208300.  | 27.87    | 546700.  | -18.83   | -3.006   |
| Errors | QC Pass  | NOCHECK  | QC Pass  | NOCHECK  | QC Pass  | NOCHECK  | NOCHECK  |
| Value  | 21.00    |          | 198700.  |          | 526300.  |          |          |
| Range  | 50.00    |          | 50.00    |          | 50.00    |          |          |
| Elem   | Nc3302   | Ni2316   | Tl1808   | V_2924   | Zn2138   | Pb2203   | Se1860   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg    | 332.9    | 2.353    | -4.783   | -17.39   | -22.13   | 2.685    | -8.852   |
| SDev   | 11.5     | .643     | 1.040    | .12      | .14      | 2.000    | .850     |
| %RSD   | 3.473    | 27.35    | 21.74    | .6814    | .6333    | 74.71    | 12.41    |
| #1     | 340.2    | 1.895    | -5.518   | -17.80   | -22.03   | 4.104    | -7.453   |
| #2     | 323.9    | 2.804    | -4.048   | -17.98   | -22.23   | 1.267    | -6.251   |
| Errors | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  |
| Value  |          |          |          |          |          |          |          |
| Range  |          |          |          |          |          |          |          |
| Elem   | Sb2068   | As1890   | 22031    | 22032    | 20681    | 20682    | 19601    |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg    | 2.412    | -.8649   | 174.7    | -83.19   | -7.472   | 7.332    | -10.33   |
| SDev   | .146     | 1.2188   | 1.1      | 3.54     | 1.434    | .498     | 4.59     |
| %RSD   | 6.073    | 140.9    | .6161    | 4.261    | 19.19    | 6.785    | 44.45    |
| #1     | 2.516    | -.0031   | 173.9    | -80.68   | -6.458   | 6.981    | -7.083   |
| #2     | 2.309    | -1.727   | 175.4    | -85.70   | -8.485   | 7.684    | -13.58   |
| Errors | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  |
| Value  |          |          |          |          |          |          |          |
| Range  |          |          |          |          |          |          |          |
| Elem   | 19602    | Sn1899   | Ti3349   | Bi2230   |          |          |          |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter |          |          |          |

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Analysis Report

QC Standard

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|        |         |         |         |         |
|--------|---------|---------|---------|---------|
| Avge   | -5.129  | -2.578  | -50.11  | 6.740   |
| SDev   | 3.569   | .015    | 4.94    | 3.818   |
| %RSD   | 69.59   | .5724   | 9.856   | 56.65   |
| #1     | -7.653  | -2.568  | -46.62  | 9.440   |
| #2     | -2.605  | -2.589  | -53.60  | 4.040   |
| Errors | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| Value  |         |         |         |         |
| Range  |         |         |         |         |

| IntStd | 1        | 2        | 3       | 4       | 5       | 6       | 7       |
|--------|----------|----------|---------|---------|---------|---------|---------|
| Mode   | Counts   | Time     | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem   | Y        | --       | ---     | ---     | ---     | ---     | ---     |
| Wavlen | 371.030  | --       | ---     | ---     | ---     | ---     | ---     |
| Avge   | 772      | 1000     | --      | ---     | ---     | ---     | ---     |
| SDev   | .0000099 | .0000000 | --      | ---     | ---     | ---     | ---     |
| %RSD   | .1282277 | .0000000 | --      | ---     | ---     | ---     | ---     |
| #1     | 771      | 1000     | --      | ---     | ---     | ---     | ---     |
| #2     | 572      | 1000     | --      | ---     | ---     | ---     | ---     |

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Analysis Report

QC Standard

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Method: CLPSUE Sample Name: ICSAB  
 Run Time: 03/09/96 16:36:18  
 Comment: ICSAB ICSAB  
 Mode: CONC Corr. Factor: 1

Operator:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | Ba4934   | Be3130   | Ca3179   | Cd2265   | Co2286   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg    | 990.4    | 564300.  | 528.9    | 512.8    | 536700.  | 949.3    | 531.4    |
| SDev   | .6       | 576.     | .3       | .1       | 455.     | .5       | .4       |
| %RSD   | .0628    | .1020    | .0510    | .0236    | .0848    | .0556    | .0698    |
| #1     | 990.8    | 564700.  | 529.1    | 512.8    | 536400.  | 948.9    | 531.7    |
| #2     | 989.9    | 563900.  | 528.8    | 512.9    | 537000.  | 949.7    | 531.2    |
| Errors | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  |
| Value  | 989.0    | 524800.  | 485.0    | 477.0    | 548100.  | 899.0    | 474.0    |
| Range  | 20.00    | 20.00    | 20.00    | 20.00    | 20.00    | 20.00    | 20.00    |
| Elem   | Cr2677   | Cu3247   | Fe2714   | K_7664   | Mg2790   | Mn2576   | Mo2020   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg    | 515.9    | 543.4    | 207300.  | 23.92    | 550200.  | 473.8    | 1016.    |
| SDev   | .4       | .3       | 293.     | 8.38     | 264.     | .1       | .1       |
| %RSD   | .0717    | .0567    | .1412    | 37.02    | .0480    | .0287    | .0559    |
| #1     | 516.1    | 543.2    | 207100.  | 30.13    | 550000.  | 473.7    | 1016.    |
| #2     | 515.6    | 543.6    | 207300.  | 17.68    | 550400.  | 473.9    | 1015.    |
| Errors | QC Pass  | QC Pass  | QC Pass  | NOCHECK  | QC Pass  | QC Pass  | NOCHECK  |
| Value  | 483.0    | 507.0    | 131300.  |          | 329900.  | 454.0    |          |
| Range  | 20.00    | 20.00    | 20.00    |          | 20.00    | 20.00    |          |
| Elem   | Na3302   | Ni2316   | Tl1908   | V_2924   | Zn2188   | Pb2203   | Pd1960   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg    | 754.3    | 948.2    | -7.483   | 498.8    | 1040.    | 5132.    | -1.421   |
| SDev   | 3.3      | .5       | 3.035    | 1.6      |          | 5.       | 2.445    |
| %RSD   | .4433    | .0575    | 40.56    | .3523    | .0233    | .0948    | 172.0    |
| #1     | 755.7    | 948.6    | -9.029   | 498.5    | 1040.    | 5129.    | 3074     |
| #2     | 751.9    | 947.8    | -5.337   | 501.0    | 1040.    | 5135.    | -3.150   |
| Errors | NOCHECK  | QC Pass  | NOCHECK  | QC Pass  | QC Pass  | QC Pass  | NOCHECK  |
| Value  |          | 832.0    |          | 465.0    | 941.0    | 4535.    |          |
| Range  |          | 20.00    |          | 20.00    | 20.00    | 20.00    |          |
| Elem   | Sb2068   | As1890   | 22031    | 22032    | 20681    | 20682    | 19601    |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg    | 11.41    | .5654    | 5312.    | 5042.    | 9.108    | 12.54    | -5.543   |
| SDev   | 2.45     | 1.028    |          | 7.       | .025     | 3.69     | 1.604    |
| %RSD   | 21.50    | 181.9    | .0071    | .1405    | .2782    | 29.43    | 28.93    |
| #1     | 13.14    | 1.293    | 5312.    | 5037.    | 9.090    | 15.15    | -4.409   |
| #2     | 9.672    | -.1617   | 5312.    | 5047.    | 9.126    | 9.929    | -6.677   |
| Errors | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  |
| Value  |          |          |          |          |          |          |          |
| Range  |          |          |          |          |          |          |          |
| Elem   | 19602    | Sn1899   | Ti3349   | Bi2230   |          |          |          |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter |          |          |          |

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Analysis Report

QC Standard

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|         |          |          |         |         |         |         |         |
|---------|----------|----------|---------|---------|---------|---------|---------|
| Avge    | .6209    | 1029.    | 960.1   | 1118.   |         |         |         |
| SDev    | 2.965    | 1.       | 5.3     | 1.      |         |         |         |
| %RSD    | 461.4    | .0617    | .5541   | .0626   |         |         |         |
| #1      | 2.646    | 1029.    | 963.8   | 1118.   |         |         |         |
| #2      | -1.405   | 1030.    | 956.3   | 1119.   |         |         |         |
| Errors  | NOCHECK  | NOCHECK  | NOCHECK | NOCHECK |         |         |         |
| Value   |          |          |         |         |         |         |         |
| Range   |          |          |         |         |         |         |         |
| IntStd. | 1        | 2        | 3       | 4       | 5       | 6       | 7       |
| Mode    | Counts   | Time     | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem    | Y        | --       | --      | --      | --      | --      | --      |
| Wavlen  | 371.030  | --       | --      | --      | --      | --      | --      |
| Avge    | 773      | 1000     | --      | --      | --      | --      | --      |
| SDev    | .2828600 | .0000000 | --      | --      | --      | --      | --      |
| %RSD    | .0366001 | .0000000 | --      | --      | --      | --      | --      |
| #1      | 773      | 1000     | --      | --      | --      | --      | --      |
| #2      | 773      | 1000     | --      | --      | --      | --      | --      |

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Analysis Report      QC Standard      Sat 03-09-96 04:47:00 PM      page 1

Method: CLPSUE      Sample Name: CRI      Operator:  
 Run Time: 03/09/96 16:41:41  
 Comment:  
 Mode: CONC      Corr. Factor: 1

|       |          |          |          |          |          |          |          |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Elem  | Ag3280   | Al3082   | Ba4934   | Be3130   | Ca3179   | Cd2265   | Co2286   |
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc  | 12.60    | 173.6    | .1597    | 10.54    | 141.2    | 10.29    | 103.2    |
| SDev  | .11      | 3.6      | .0077    | .01      | 2.8      | .04      | .6       |
| %RSD  | .8335    | 2.078    | 4.801    | .1033    | 1.954    | .3698    | .5840    |

|    |       |       |       |       |       |       |       |
|----|-------|-------|-------|-------|-------|-------|-------|
| #1 | 12.53 | 176.2 | .1542 | 10.54 | 143.2 | 10.26 | 102.8 |
| #2 | 12.68 | 171.1 | .1651 | 10.53 | 139.3 | 10.31 | 103.6 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | QC Pass | NOCHECK | NOCHECK | QC Pass | NOCHECK | NOCHECK | NOCHECK |
| Value  | 20.00   |         |         | 10.00   |         |         |         |
| Range  | 50.00   |         |         | 50.00   |         |         |         |

|       |          |          |          |          |          |          |          |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Elem  | Cr2677   | Cu3247   | Fe2714   | K_7664   | Mg2790   | Mn2576   | Mo2920   |
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc  | 20.74    | 30.77    | 87.38    | 12.12    | 183.5    | 30.71    | 43.13    |
| SDev  | .24      | .47      | 5.04     | 9.01     | 3.5      | .11      | .42      |
| %RSD  | 1.173    | .9241    | 5.771    | 73.91    | 1.910    | .3684    | .9631    |

|    |       |       |       |       |       |       |       |
|----|-------|-------|-------|-------|-------|-------|-------|
| #1 | 20.57 | 31.10 | 83.81 | 8.817 | 183.0 | 30.63 | 42.84 |
| #2 | 20.92 | 30.44 | 90.94 | 18.53 | 183.0 | 30.79 | 43.43 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | NOCHECK | QC Pass | NOCHECK | NOCHECK | NOCHECK | QC Pass | NOCHECK |
| Value  |         | 50.00   |         |         |         | 20.00   |         |
| Range  |         | 50.00   |         |         |         | 50.00   |         |

|       |          |          |          |          |          |          |          |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Elem  | Na3302   | Ni2316   | Tl1908   | V_2924   | Zn2138   | Zn2203   | Zn1260   |
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc  | 210.6    | 32.75    | 21.13    | 104.3    | 34.11    | 8.277    | 7.258    |
| SDev  | 128.4    | 1.13     | 1.74     | .5       | .08      | .183     | .063     |
| %RSD  | 60.98    | 1.437    | 8.199    | .4476    | .2323    | 1.846    | 3.129    |

|    |       |       |       |       |       |       |       |
|----|-------|-------|-------|-------|-------|-------|-------|
| #1 | 113.8 | 31.91 | 19.95 | 104.0 | 34.05 | 3.385 | 6.790 |
| #2 | 201.4 | 33.60 | 22.41 | 104.7 | 34.16 | 3.169 | 7.727 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | NOCHECK | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass |
| Value  |         | 50.00   | 20.00   | 100.0   | 40.00   | 6.000   | 10.00   |
| Range  |         | 50.00   | 50.00   | 50.00   | 50.00   | 50.00   | 50.00   |

|       |          |          |          |          |          |          |          |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Elem  | Sb2068   | As1890   | 22031    | 22032    | 20681    | 20682    | 19601    |
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc  | 123.8    | 21.74    | 8.062    | 8.370    | 121.4    | 125.0    | 11.01    |
| SDev  | 1.3      | .02      | .132     | .295     | 1.1      | 1.4      | 4.03     |
| %RSD  | 1.040    | .0897    | 1.634    | 3.523    | .9082    | 1.104    | 36.65    |

|    |       |       |       |       |       |       |       |
|----|-------|-------|-------|-------|-------|-------|-------|
| #1 | 124.7 | 21.75 | 7.969 | 8.579 | 122.2 | 126.0 | 13.86 |
| #2 | 122.9 | 21.73 | 8.155 | 8.161 | 120.7 | 124.0 | 8.156 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | QC Pass | QC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| Value  | 120.0   | 20.00   |         |         |         |         |         |
| Range  | 50.00   | 50.00   |         |         |         |         |         |

|       |          |          |          |          |
|-------|----------|----------|----------|----------|
| Elem  | 19602    | Sn1899   | Ti3349   | Bi2230   |
| Units | ug/liter | ug/liter | ug/liter | ug/liter |

Analysis Report

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|      |       |       |       |       |
|------|-------|-------|-------|-------|
| Avg  | 5.372 | 43.83 | 24.18 | 302.6 |
| SDev | 3.008 | 1.77  | 3.39  | 1.1   |
| %RSD | 55.99 | 4.038 | 14.02 | .3512 |

|    |       |       |       |       |
|----|-------|-------|-------|-------|
| #1 | 3.245 | 42.58 | 21.78 | 303.4 |
| #2 | 7.499 | 45.08 | 26.58 | 301.9 |

|                    |         |         |         |         |
|--------------------|---------|---------|---------|---------|
| Errors Value Range | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
|--------------------|---------|---------|---------|---------|

| IntStd | 1        | 2        | 3       | 4       | 5       | 6       | 7       |
|--------|----------|----------|---------|---------|---------|---------|---------|
| Mode   | Counts   | Time     | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem   | Y        | --       | --      | --      | --      | --      | --      |
| Wavlen | 371.030  | --       | --      | --      | --      | --      | --      |
| Avg    | 897      | 1000     | --      | --      | --      | --      | --      |
| SDev   | 1.791418 | .0000000 | --      | --      | --      | --      | --      |
| %RSD   | .1997170 | .0000000 | --      | --      | --      | --      | --      |
| #1     | 298      | 1000     | --      | --      | --      | --      | --      |
| #2     | 396      | 1000     | --      | --      | --      | --      | --      |

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Analysis Report      QC Standard      Sat 03-09-96 04:52:24 PM      page 1

Method: CLPSUE      Sample Name: CCV

Operator:

Run Time: 03/09/96 16:47:06

Comment:

Mode: CONC      Corr. Factor: 1

| Elem  | Ag3280   | Al3082   | Ba4934   | Be3130   | Ca3179   | Cd2265   | Co2286   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | 97.07    | 2041.    | 998.2    | 1019.    | 50220.   | 988.3    | 1017.    |
| SDev  | .21      | 4.       | .0       | .        | 59.      | .7       | .        |
| %RSD  | .2165    | .1877    | .0016    | .0299    | .1175    | .0663    | .0188    |

|    |       |       |       |       |        |       |       |
|----|-------|-------|-------|-------|--------|-------|-------|
| #1 | 96.93 | 2044. | 998.2 | 1019. | 50260. | 988.8 | 1017. |
| #2 | 97.22 | 2038. | 998.1 | 1018. | 50180. | 987.9 | 1017. |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass |
| Value  | 100.0   | 2000.   | 1000.   | 1000.   | 50000.  | 1000.   | 1000.   |
| Range  | 10.50   | 10.50   | 10.50   | 10.50   | 10.50   | 10.50   | 10.50   |

| Elem  | Cr2677   | Cu3247   | Fe2714   | K_7664   | Mg2790   | Mn2578   | Mo2020   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | 292.9    | 330.0    | 2055.    | 48780.   | 50360.   | 1004.    | 1030.    |
| SDev  | .6       | .4       | 5.       | 49.      | 19.      | 1.       | .        |
| %RSD  | .0634    | .0404    | .2741    | .1011    | .0385    | .0765    | .0257    |

|    |       |       |       |        |        |       |       |
|----|-------|-------|-------|--------|--------|-------|-------|
| #1 | 293.4 | 379.7 | 2059. | 48820. | 50370. | 1005. | 1031. |
| #2 | 292.3 | 330.3 | 2051. | 48730. | 50350. | 1003. | 1030. |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass |
| Value  | 1000.   | 1000.   | 1000.   | 10000.  | 50000.  | 1000.   | 1000.   |
| Range  | 10.50   | 10.50   | 10.50   | 10.50   | 10.50   | 10.50   | 10.50   |

| Elem  | Na3302   | Ni2316   | Ti1803   | V_2924   | Zn2138   | Pb2203   | Pb1960   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | 49870.   | 390.5    | 1053.    | 1023.    | 1022.    | 1021.    | 1039.    |
| SDev  | 31.      | .2       | 5.       | 1.       | .        | 2.       | 1.       |
| %RSD  | .0622    | .0226    | .0057    | .0039    | .0428    | .1935    | .1245    |

|    |        |       |       |       |       |       |       |
|----|--------|-------|-------|-------|-------|-------|-------|
| #1 | 49890. | 390.3 | 1049. | 1023. | 1023. | 1023. | 1040. |
| #2 | 49850. | 990.6 | 1057. | 1023. | 1022. | 1020. | 1039. |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass |
| Value  | 50000.  | 1000.   | 1000.   | 1000.   | 1000.   | 1000.   | 1000.   |
| Range  | 10.50   | 10.50   | 10.50   | 10.50   | 10.50   | 10.50   | 10.50   |

| Elem  | Sb2068   | As1890   | 22031    | 22032    | 20681    | 20682    | 19601    |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | 1034.    | 1042.    | 1020.    | 1022.    | 1024.    | 1039.    | 1043.    |
| SDev  | 3.       | 5.       | .        | 3.       | 4.       | 2.       | 1.       |
| %RSD  | .2567    | .5048    | .0242    | .2779    | .3841    | .1939    | .1133    |

|    |       |       |       |       |       |       |       |
|----|-------|-------|-------|-------|-------|-------|-------|
| #1 | 1032. | 1038. | 1020. | 1024. | 1021. | 1037. | 1044. |
| #2 | 1036. | 1045. | 1020. | 1020. | 1027. | 1040. | 1043. |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | QC Pass | QC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| Value  | 1000.   | 1000.   |         |         |         |         |         |
| Range  | 10.50   | 10.50   |         |         |         |         |         |

| Elem  | 19602    | Sn1899   | Ti3349   | Bi2230   |
|-------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter |

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Analysis Report

QC Standard

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|      |       |       |       |       |
|------|-------|-------|-------|-------|
| Avge | 1038. | 1017. | 997.4 | 1040. |
| SDev | 1.    | 4.    | 1.3   | 2.    |
| %RSD | .1302 | .3597 | .1316 | .1633 |

|    |       |       |       |       |
|----|-------|-------|-------|-------|
| #1 | 1038. | 1015. | 998.3 | 1038. |
| #2 | 1037. | 1020. | 996.4 | 1041. |

|        |         |         |         |         |
|--------|---------|---------|---------|---------|
| Errors | NOCHECK | QC Pass | QC Pass | QC Pass |
| Value  |         | 1000.   | 1000.   | 1000.   |
| Range  |         | 10.50   | 10.50   | 10.50   |

| IntStd | 1        | 2        | 3       | 4       | 5       | 6        | 7        |
|--------|----------|----------|---------|---------|---------|----------|----------|
| Mode   | Counts   | Time     | NOTUSED | NOTUSED | NOTUSED | NOTUSED. | NOTUSED. |
| Elem   | Y        | --       | --      | --      | --      | --       | --       |
| Wavlen | 371.030  | --       | --      | --      | --      | --       | --       |
| Avge   | 853.     | 1000     | --      | --      | --      | --       | --       |
| SDev   | 1.084263 | .0000000 | --      | --      | --      | --       | --       |
| %RSD   | .1271239 | .0000000 | --      | --      | --      | --       | --       |
| #1     | 852      | 1000     | --      | --      | --      | --       | --       |
| #2     | 854      | 1000     | --      | --      | --      | --       | --       |

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Method: CLPSUE      Sample Name: CCB      Operator:

Run Time: 03/09/96 16:52:30

Comment:

Mode: CONC      Corr. Factor: 1

| Elem  | Ag3280   | Al3082   | Ba4934   | Be3130   | Ca3179   | Cd2265   | Co2286   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc  | .2914    | 19.10    | .4242    | .5473    | -31.06   | .2262    | .1588    |
| SEDev | .1293    | 1.95     | .0262    | .0837    | 1.83     | .0080    | .0665    |
| %RSD  | 44.37    | 10.75    | 6.185    | 15.29    | 5.888    | 3.525    | 41.86    |

|    |       |       |       |       |        |       |       |
|----|-------|-------|-------|-------|--------|-------|-------|
| #1 | .3829 | 19.47 | .4056 | .4882 | -32.36 | .2318 | .2058 |
| #2 | .2000 | 16.72 | .4427 | .6065 | -29.77 | .2206 | .1118 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass |
| Value  | .0000   | .0000   | .0000   | .0000   | .0000   | .0000   | .0000   |
| Range  | 10.00   | 200.0   | 200.0   | 5.000   | 500.0   | 5.000   | 50.00   |

| Elem  | Cr2677   | Cu3247   | Fe2714   | K_7664   | Mg2790   | Mn2576   | Mo2020   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc  | .5839    | .8115    | 11.56    | 26.01    | 29.68    | .3671    | -.0189   |
| SEDev | .1222    | .2246    | 5.01     | .43      | 1.77     | .1300    | .1710    |
| %RSD  | 20.93    | 27.61    | 43.33    | 1.650    | 5.956    | 35.43    | 1232.    |

|    |       |        |       |       |       |       |        |
|----|-------|--------|-------|-------|-------|-------|--------|
| #1 | .4975 | 11.450 | 15.10 | 25.70 | 28.43 | .2752 | .1074  |
| #2 | .6702 | 14.774 | 8.010 | 26.31 | 30.92 | .4580 | -.1353 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | NOCHECK |
| Value  | .0000   | .0000   | .0000   | .0000   | .0000   | .0000   |         |
| Range  | 10.00   | 20.00   | 100.0   | 5000.   | 5000.   | 15.00   |         |

| Elem  | Ni3302   | Ni2316   | Pb1908   | V_2024   | Zn2138   | Pb2203   | Zn1960   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc  | 255.0    | .5203    | 1.867    | .4913    | -3.343   | .5653    | -2.935   |
| SEDev | 66.4     | .0421    | .943     | .0881    | .1049    | .1065    | 4.299    |
| %RSD  | 26.06    | 8.283    | 50.50    | 17.92    | 1.278    | 18.82    | 110.4    |

|    |       |       |       |       |        |       |         |
|----|-------|-------|-------|-------|--------|-------|---------|
| #1 | 203.0 | .4898 | 1.280 | .5542 | -3.309 | .4925 | 2-6.935 |
| #2 | 301.9 | .3508 | 2.534 | .4296 | -3.873 | .6411 | -.8357  |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass |
| Value  | .0000   | .0000   | .0000   | .0000   | .0000   | .0000   | .0000   |
| Range  | 5000.   | 40.00   | 10.00   | 50.00   | 20.00   | 3.000   | 5.000   |

| Elem  | Sb2068   | As1890   | 22031    | 22032    | 20681    | 20682    | 19601    |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc  | .9828    | .9545    | 1.864    | -.0960   | .7313    | 1.095    | 1.622    |
| SEDev | .4657    | 2.155    | 1.196    | .7569    | .0535    | .725     | 4.698    |
| %RSD  | 47.39    | 225.8    | 64.17    | 788.7    | 7.310    | 66.22    | 289.7    |

|    |       |        |       |        |       |       |        |
|----|-------|--------|-------|--------|-------|-------|--------|
| #1 | 1.312 | 2.479  | 2.710 | -.6311 | .6935 | 1.607 | -1.701 |
| #2 | .6535 | -.5694 | 1.013 | .4392  | .7691 | .5821 | 4.944  |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | QC Pass | QC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| Value  | .0000   | .0000   |         |         |         |         |         |
| Range  | 60.00   | 10.00   |         |         |         |         |         |

| Elem  | 19602    | Sn1899   | Ti3349   | Bi2230   |
|-------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter |

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|        |         |         |         |         |
|--------|---------|---------|---------|---------|
| Avge   | -6.664  | -.7467  | 5.847   | 1.252   |
| SDev   | 4.100   | 2.3162  | 1.404   | .312    |
| SRSD   | 61.53   | 310.2   | 24.01   | 24.90   |
| #1     | -9.563  | .8911   | 6.840   | 1.472   |
| #2     | -3.765  | -2.385  | 4.854   | 1.031   |
| Errors | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| Value  |         |         |         |         |
| Range  |         |         |         |         |

| IntStd | 1         | 2        | 3       | 4       | 5       | 6       | 7       |
|--------|-----------|----------|---------|---------|---------|---------|---------|
| Mode   | Counts    | Time     | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem   | Y         | --       | --      | --      | --      | --      | --      |
| Wavlen | 371.030   | --       | --      | --      | --      | --      | --      |
| Avge   | 879       | 1000     | --      | --      | --      | --      | --      |
| SDev   | .5185478  | .0000000 | --      | --      | --      | --      | --      |
| SRSD   | .05899877 | .0000000 | --      | --      | --      | --      | --      |
| #1     | 879       | 1000     | --      | --      | --      | --      | --      |
| #2     | 879       | 1000     | --      | --      | --      | --      | --      |

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Analysis Report

QC Standard

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Method: CLPSUE

Sample Name: CCV

Operator:

Run Time: 03/09/96 17:31:52

Comment: CCV CVS1

Mode: CONC Corr. Factor: 1

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | Ba4934   | Be3130   | Ca3179   | Cd2265   | Co2286   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg    | 96.94    | 2024.    | 998.7    | 1013.    | 49920.   | 986.0    | 1013.    |
| SDev   | .16      | 2.       | .3       | .        | 10.      | .0       | 1.       |
| %RSD   | .1668    | .1039    | .0311    | .0090    | .0197    | .0032    | .1182    |
| #1     | 96.82    | 2022.    | 998.9    | 1013.    | 49910.   | 986.0    | 1012.    |
| #2     | 97.05    | 2025.    | 998.4    | 1013.    | 49930.   | 986.0    | 1014.    |
| Errors | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  |
| Value  | 100.0    | 2000.    | 1000.    | 1000.    | 50000.   | 1000.    | 1000.    |
| Range  | 10.50    | 10.50    | 10.50    | 10.50    | 10.50    | 10.50    | 10.50    |
| Elem   | Cr2677   | Cu3247   | Fe2714   | K_7664   | Mg2790   | Mn2576   | Mo2020   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg    | 988.2    | 981.6    | 2025.    | 48900.   | 50060.   | 999.6    | 1030.    |
| SDev   | .7       | 1.0      | 2.       | .        | 17.      | .4       | 1.       |
| %RSD   | .0736    | .0971    | .0755    | .0301    | .0331    | .0412    | .1168    |
| #1     | 987.7    | 980.9    | 2026.    | 48900.   | 50070.   | 999.9    | 1029.    |
| #2     | 988.7    | 982.2    | 2024.    | 48910.   | 50050.   | 999.3    | 1031.    |
| Errors | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  |
| Value  | 1000.    | 1000.    | 2000.    | 50000.   | 50000.   | 1000.    | 1000.    |
| Range  | 10.50    | 10.50    | 10.50    | 10.50    | 10.50    | 10.50    | 10.50    |
| Elem   | Ns3302   | Ni2316   | Tl1308   | V_2924   | Zn2138   | Pb2203   | Se1960   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg    | 49750.   | 986.9    | 1055.    | 1020.    | 1019.    | 1015.    | 1035.    |
| SDev   | 13.      | 2.6      | 1.       | .        | 1.       | .        | .        |
| %RSD   | .0261    | .2625    | .0700    | .0484    | .0820    | .0389    | .0152    |
| #1     | 49740.   | 985.0    | 1055.    | 1020.    | 1019.    | 1015.    | 1035.    |
| #2     | 49760.   | 988.7    | 1054.    | 1021.    | 1018.    | 1015.    | 1035.    |
| Errors | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  |
| Value  | 50000.   | 1000.    | 1000.    | 1000.    | 1000.    | 1000.    | 1000.    |
| Range  | 10.50    | 10.50    | 10.50    | 10.50    | 10.50    | 10.50    | 10.50    |
| Elem   | Sb2068   | As1890   | 22031    | 22032    | 20681    | 20682    | 19601    |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg    | 1031.    | 1039.    | 1010.    | 1017.    | 1023.    | 1035.    | 1034.    |
| SDev   | 2.       | 1.       | 1.       | .        | 4.       | 1.       | 3.       |
| %RSD   | .1981    | .1317    | .1040    | .0066    | .3548    | .1208    | .3032    |
| #1     | 1029.    | 1038.    | 1009.    | 1017.    | 1020.    | 1034.    | 1036.    |
| #2     | 1032.    | 1040.    | 1011.    | 1017.    | 1025.    | 1035.    | 1031.    |
| Errors | QC Pass  | QC Pass  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  |
| Value  | 1000.    | 1000.    |          |          |          |          |          |
| Range  | 10.50    | 10.50    |          |          |          |          |          |
| Elem   | Te602    | Sn1899   | Ti3349   | Bi2230   |          |          |          |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter |          |          |          |

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Analysis Report

QC Standard

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|        |         |         |         |         |
|--------|---------|---------|---------|---------|
| Avge   | 1036.   | 1008.   | 997.3   | 1042.   |
| SDev   | 1.      |         | .3      | 2.      |
| %RSD   | .1284   | .0166   | .0280   | .1512   |
| #1     | 1035.   | 1008.   | 997.5   | 1041.   |
| #2     | 1037.   | 1008.   | 997.1   | 1043.   |
| Errors | NOCHECK | QC Pass | QC Pass | QC Pass |
| Value  |         | 1000.   | 1000.   | 1000.   |
| Range  |         | 10.50   | 10.50   | 10.50   |

| IntStd | 1        | 2        | 3       | 4       | 5       | 6       | 7       |
|--------|----------|----------|---------|---------|---------|---------|---------|
| Mode   | Counts   | Time     | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem   | Y        | --       | --      | --      | --      | --      | --      |
| Wavlen | 371.030  | --       | --      | --      | --      | --      | --      |
| Avge   | 854      | 1000     | --      | --      | --      | --      | --      |
| SDev   | .2828600 | .0000000 | --      | --      | --      | --      | --      |
| %RSD   | .0331356 | .0000000 | --      | --      | --      | --      | --      |
| #1.    | 853      | 1000     | --      | --      | --      | --      | --      |
| #2     | 854      | 1000     | --      | --      | --      | --      | --      |

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Analysis Report      QC Standard      Sat 03-09-96 05:42:37 PM      page 1

Method: CLPSUE      Sample Name: CCB      Operator:

Run Time: 03/09/96 17:37:18

Comment: CCB

Mode: CONC      Corr. Factor: 1

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | Ba4934   | Be3130   | Ca3179   | Cd2265   | Co2286   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc   | -.0000   | 7.791    | .4310    | .6375    | -40.39   | .1669    | .3768    |
| SDev   | .0081    | .704     | .1126    | .1341    | 6.76     | .0564    | .0579    |
| %RSD   | 27180.   | 9.030    | 26.12    | 21.03    | 16.73    | 33.77    | 15.36    |
| #1     | .0057    | 7.293    | .3514    | .5427    | -45.17   | .1271    | .4177    |
| #2     | -.0057   | 8.288    | .5106    | .7324    | -35.61   | .2068    | .3358    |
| Errors | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  |
| Value  | .0000    | .0000    | .0000    | .0000    | .0000    | .0000    | .0000    |
| Range  | 10.00    | 200.0    | 200.0    | 5.000    | 500.0    | 5.000    | 50.00    |
| Elem   | Cr2677   | Cu3247   | Fe2714   | K_7664   | Mg2799   | Mn2576   | Mo2020   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc   | .5229    | .1245    | 2.454    | 18.78    | 17.79    | .4032    | .3483    |
| SDev   | .3693    | .0586    | .721     | .62      | 5.69     | .0772    | .0391    |
| %RSD   | 70.45    | 47.08    | 29.63    | 3.295    | 32.14    | 19.15    | 8.655    |
| #1     | .7832    | .0331    | 1.924    | 19.34    | 13.68    | .3486    | .3697    |
| #2     | .2624    | .1660    | 2.944    | 19.21    | 21.73    | .4578    | .3270    |
| Errors | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  | NOCHECK  |
| Value  | .0000    | .0000    | .0000    | .0000    | .0000    | .0000    |          |
| Range  | 10.00    | 25.00    | 100.0    | 5000.    | 5000.    | 15.00    |          |
| Elem   | Na5302   | Ni2316   | Tl1908   | V_2924   | Zn2138   | Pb2293   | Sr1960   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc   | 221.1    | .2127    | .8983    | .4360    | -3.949   | .0700    | -3.463   |
| SDev   | 117.7    | .1290    | .4119    | .3530    | .097     | .6893    | 1.452    |
| %RSD   | 53.22    | 60.64    | 45.86    | 81.12    | 2.462    | 983.8    | 42.05    |
| #1     | 304.3    | .3039    | .6070    | .1859    | -4.017   | -.4167   | -4.500   |
| #2     | 137.9    | .1215    | 1.190    | .6860    | -3.880   | .6566    | -2.427   |
| Errors | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  |
| Value  | .0000    | .0000    | .0000    | .0000    | .0000    | .0000    | .0000    |
| Range  | 5000.    | 40.00    | 10.00    | 50.00    | 20.00    | 3.000    | 5.000    |
| Elem   | Sb2068   | As1890   | 22031    | 22032    | 20681    | 20682    | 19601    |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc   | 1.657    | -.6345   | .4421    | -.1294   | 1.509    | 1.718    | -2.335   |
| SDev   | .328     | 1.4467   | .8648    | 1.4636   | .203     | .593     | 1.410    |
| %RSD   | 19.77    | 228.0    | 195.6    | 1131.    | 13.46    | 34.50    | 60.39    |
| #1     | 1.889    | -1.657   | 1.054    | -1.164   | 1.365    | 2.137    | -3.332   |
| #2     | 1.426    | .3885    | -.1694   | .9055    | 1.653    | 1.299    | -1.338   |
| Errors | QC Pass  | QC Pass  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  |
| Value  | .0000    | .0000    |          |          |          |          |          |
| Range  | 60.00    | 10.00    |          |          |          |          |          |
| Elem   | 19602    | Sn1899   | Ti3349   | Bi2230   |          |          |          |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter |          |          |          |

AR318983

Analysis Report

QC Standard

Sat 03-09-96 05:42:37 PM

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|      |        |        |       |       |
|------|--------|--------|-------|-------|
| Avge | -4.048 | -.4608 | 1.909 | 1.378 |
| SDev | 1.483  | .7928  | 1.241 | .863  |
| %RSD | 36.63  | 172.1  | 65.01 | 62.63 |
| #1   | -5.096 | .0998  | 2.786 | 1.988 |
| #2   | -2.999 | -1.021 | 1.031 | .7677 |

|                    |         |         |         |         |
|--------------------|---------|---------|---------|---------|
| Errors Value Range | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
|--------------------|---------|---------|---------|---------|

| IntStd | 1        | 2        | 3       | 4       | 5       | 6       | 7       |
|--------|----------|----------|---------|---------|---------|---------|---------|
| Mode   | Counts   | Time     | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem   | Y        | --       | --      | --      | --      | --      | --      |
| Wavlen | 371.030  | --       | --      | --      | --      | --      | --      |
| Avge   | 882      | 1000     | --      | --      | --      | --      | --      |
| SDev   | .7071499 | .0000000 | --      | --      | --      | --      | --      |
| %RSD   | .0801929 | .0000000 | --      | --      | --      | --      | --      |
| #1     | 881      | 1000     | --      | --      | --      | --      | --      |
| #2     | 882      | 1000     | --      | --      | --      | --      | --      |

AR318984

## Analysis Report

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Method: CLPSUE Sample Name: 788512

Operator:

Run Time: 03/09/96 17:42:42

Comment:

Mode: CONC Corr. Factor: 1

| Elem  | Ag3280   | Al3082   | Ba4934   | Be3130   | Ca3179   | Cd2265   | Co2286   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc  | -.1029   | 21.83    | .1403    | .3185    | -51.17   | -.7072   | -.3875   |
| SDav  | .0829    | 3.57     | .0599    | .0594    | .08      | .0119    | .1799    |
| %RSD  | 86.41    | 16.34    | 42.72    | 18.65    | .1572    | 1.678    | 46.43    |

|    |        |       |       |       |        |        |        |
|----|--------|-------|-------|-------|--------|--------|--------|
| #1 | -.0400 | 24.35 | .1826 | .3605 | -51.11 | -.7156 | -.5147 |
| #2 | -.1658 | 19.30 | .0979 | .2765 | -51.22 | -.6938 | -.2603 |

| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
|--------|---------|---------|---------|---------|---------|---------|---------|
| High   | 10.00   | 200.0   | 200.0   | 5.000   | 5000.   | 5.000   | 50.00   |
| Low    | -10.00  | -200.0  | -200.0  | -5.000  | -5000.  | -5.000  | -50.00  |

| Elem  | Cr2677   | Cu3247   | Fe2714   | K_7664   | Mg2790   | Mn2576   | Mo2020   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc  | .7358    | -.5392   | 18.43    | 25.53    | 4.176    | .2670    | .4577    |
| SDav  | .3230    | .0588    | 4.47     | 3.38     | .240     | .0276    | .1136    |
| %RSD  | 52.05    | 10.90    | 24.23    | 15.53    | 8.134    | 10.32    | 24.82    |

|    |       |        |       |       |       |       |       |
|----|-------|--------|-------|-------|-------|-------|-------|
| #1 | 1.007 | -.4977 | 21.59 | 28.45 | 3.936 | .2865 | .3774 |
| #2 | .4650 | -.5808 | 15.27 | 22.82 | 4.416 | .2476 | .5381 |

| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | NOCHECK |
|--------|---------|---------|---------|---------|---------|---------|---------|
| High   | 10.00   | 25.00   | 100.0   | 5000.   | 5000.   | 15.00   |         |
| Low    | -10.00  | -25.00  | -100.0  | -5000.  | -5000.  | -15.00  |         |

| Elem  | Na3302   | Ni2316   | Tl1308   | V_2924   | Zn2138   | Zb2203   | Zr1960   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc  | 528.0    | -.2745   | -3.254   | -.0030   | -1.843   | 1.299    | -2.616   |
| SDav  | 22.0     | .0681    | .416     | .0946    | .094     | .837     | .965     |
| %RSD  | 4.176    | 32.11    | 7.923    | 1180.    | 5.123    | 64.39    | 36.85    |

|    |       |        |        |        |        |       |        |
|----|-------|--------|--------|--------|--------|-------|--------|
| #1 | 543.6 | -.2122 | -4.959 | -.0749 | -1.910 | .7078 | -1.936 |
| #2 | 512.4 | -.3369 | -5.548 | .0589  | -1.776 | 1.891 | -3.300 |

| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
|--------|---------|---------|---------|---------|---------|---------|---------|
| High   | 5000.   | 40.00   | 10.00   | 50.00   | 20.00   | 3.000   | 5.000   |
| Low    | -5000.  | -40.00  | -10.00  | -50.00  | -20.00  | -3.000  | -5.000  |

| Elem  | Sb2068   | As1890   | 22031    | 22032    | 20681    | 20692    | 19601    |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc  | -.6307   | -2.535   | 4.617    | -.3709   | -.4912   | -.7145   | -6.655   |
| SDav  | .2877    | 1.015    | .248     | 1.1305   | 1.6176   | .3762    | .306     |
| %RSD  | 45.62    | 40.03    | 5.372    | 304.8    | 329.3    | 52.66    | 4.604    |

|    |        |        |       |        |        |        |        |
|----|--------|--------|-------|--------|--------|--------|--------|
| #1 | -.4273 | -1.818 | 4.441 | -1.170 | .6526  | -.9805 | -6.872 |
| #2 | -.8342 | -3.253 | 4.792 | .4285  | -1.635 | -.4484 | -6.438 |

| Errors | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
|--------|---------|---------|---------|---------|---------|---------|---------|
| High   | 60.00   | 10.00   |         |         |         |         |         |
| Low    | -60.00  | -10.00  |         |         |         |         |         |

| Elem  | 19602    | Sn1899   | Ti3249   | Bi2230   |
|-------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter |

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## Analysis Report

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|        |          |          |         |         |         |         |         |
|--------|----------|----------|---------|---------|---------|---------|---------|
| Avge   | -.6159   | 9.969    | 2.036   | -.8434  |         |         |         |
| SDev   | 1.5990   | 1.287    | 1.561   | .2770   |         |         |         |
| %RSD   | 259.6    | 12.91    | 76.67   | 32.84   |         |         |         |
| #1     | .5148    | 10.88    | 3.140   | -.6476  |         |         |         |
| #2     | -1.747   | 9.059    | .9323   | -1.039  |         |         |         |
| Errors | NOCHECK  | NOCHECK  | NOCHECK | NOCHECK |         |         |         |
| High   |          |          |         |         |         |         |         |
| Low    |          |          |         |         |         |         |         |
| IntStd | 1        | 2        | 3       | 4       | 5       | 6       | 7       |
| Mode   | Counts   | Time     | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem   | Y        | --       | --      | --      | --      | --      | --      |
| Wavlen | 371.030  | --       | --      | --      | --      | --      | --      |
| Avge   | 853      | 1000     | --      | --      | --      | --      | --      |
| SDev   | 2.215708 | .0000000 | --      | --      | --      | --      | --      |
| %RSD   | .2596504 | .0000000 | --      | --      | --      | --      | --      |
| #1     | 852      | 1000     | --      | --      | --      | --      | --      |
| #2     | 855      | 1000     | --      | --      | --      | --      | --      |

AR318986

## Analysis Report

Sat 03-09-96 05:53:24 PM

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Method: CLPSUE

Sample Name: PLCS5783746

Operator:

Run Time: 03/09/96 17:48:06

Comment:

Mode: CONC Corr. Factor: 1

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | Ba4934   | Ba3130   | Ca3179   | Cd2265   | Co2286   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc   | 97.63    | 1787.    | 28.44    | 93.09    | 920700.  | 209.8    | 763.1    |
| SDev   | .06      | .        | .02      | .08      | 382.     | .1       | .3       |
| %RSD   | .0662    | .0092    | .0825    | .0829    | .0415    | .0501    | .0383    |
| #1     | 97.68    | 1787.    | 28.42    | 93.03    | 920400.  | 209.8    | 762.9    |
| #2     | 97.59    | 1787.    | 28.46    | 93.14    | 921000.  | 209.7    | 763.3    |
| Errors | LC Pass  | LC Pass  | LC Pass  | LC Pass  | NOCHECK  | LC Pass  | LC Pass  |
| High   | 145.0    | 2120.    | 200.0    | 111.5    | .        | 275.5    | 910.0    |
| Low    | 77.50    | 1125.    | .0000    | 82.50    |          | 178.5    | 625.0    |
| Elem   | Cr2677   | Cu3247   | Fe2714   | K_7564   | Mg2790   | Mn2576   | Mo2020   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc   | 309.3    | 32720.   | 113000.  | 645.0    | 574200.  | 1018.    | 269.8    |
| SDev   | .2       | 107.     | 113.     | 4.0      | 60.      | .        | 1.1      |
| %RSD   | .0311    | .3262    | .0997    | .6235    | .0104    | .0338    | .4003    |
| #1     | 309.4    | 32650.   | 113000.  | 642.2    | 574100.  | 1018.    | 268.1    |
| #2     | 309.2    | 32800.   | 113100.  | 647.9    | 574200.  | 1018.    | 269.6    |
| Errors | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | NOCHECK  |
| High   | 600.0    | 500000.  | 135400.  | 5000.    | 649500.  | 1165.    |          |
| Low    | 296.0    | .0000    | 38850.   | .0000    | 502000.  | 835.0    |          |
| Elem   | Na3302   | Ni2316   | Tl1908   | V_2924   | Zn2138   | Pb2203   | Ce1960   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc   | 3174.    | 298.5    | 203.3    | 345.3    | 973.7    | 1169.    | 208.2    |
| SDev   | 36.      | .5       | .0       | .0       | .9       | .        | .9       |
| %RSD   | 1.140    | .1793    | .0057    | .0082    | .0911    | .0354    | .4124    |
| #1     | 3148.    | 298.9    | 203.3    | 345.9    | 973.0    | 1168.    | 208.9    |
| #2     | 3199.    | 298.1    | 203.3    | 345.9    | 974.3    | 1169.    | 207.6    |
| Errors | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  |
| High   | 5000.    | 363.0    | 267.5    | 399.5    | 1180.    | 1425.    | 297.0    |
| Low    | .0000    | 246.0    | 123.0    | 258.5    | 690.0    | 940.0    | 95.50    |
| Elem   | Sb2068   | As1890   | 22031    | 22032    | 20681    | 20682    | 19601    |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc   | 1230.    | 5341.    | 1169.    | 1168.    | 1218.    | 1235.    | 200.4    |
| SDev   | .        | 6.       | 1.       | .        | 4.       | 2.       | .5       |
| %RSD   | .0239    | .1082    | .0474    | .0293    | .3333    | .1284    | .2522    |
| #1     | 1229.    | 5337.    | 1169.    | 1168.    | 1215.    | 1236.    | 200.0    |
| #2     | 1230.    | 5345.    | 1170.    | 1169.    | 1221.    | 1234.    | 200.7    |
| Errors | LC Pass  | LC Pass  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  |
| High   | 1470.    | 5994.    |          |          |          |          |          |
| Low    | 635.0    | 3175.    |          |          |          |          |          |
| Elem   | 19602    | Sn1899   | Ti3349   | Bi2230   |          |          |          |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter |          |          |          |

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## Analysis Report

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|         |          |          |         |         |         |         |         |
|---------|----------|----------|---------|---------|---------|---------|---------|
| Avge    | 212.1    | 41.04    | 41.81   | 456.4   |         |         |         |
| SDev    | 1.6      | 2.59     | 1.31    | .6      |         |         |         |
| %RSD    | .7362    | 6.310    | 3.139   | .1298   |         |         |         |
| #1      | 213.2    | 39.21    | 42.73   | 456.0   |         |         |         |
| #2      | 211.0    | 42.88    | 40.88   | 456.8   |         |         |         |
| .Errors | NOCHECK  | NOCHECK  | NOCHECK | NOCHECK |         |         |         |
| High    |          |          |         |         |         |         |         |
| Low     |          |          |         |         |         |         |         |
| IntStd  | 1        | 2        | 3       | 4       | 5       | 6       | 7       |
| Mode    | Counts   | Time     | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem    | Y        | --       | --      | --      | --      | --      | --      |
| Wavlen  | 371.030  | --       | --      | --      | --      | --      | --      |
| Avge    | 761      | 1000     | --      | --      | --      | --      | --      |
| SDev    | 1.367128 | .0000000 | --      | --      | --      | --      | --      |
| %RSD    | .1796005 | .0000000 | --      | --      | --      | --      | --      |
| #1      | 780      | 1000     | --      | --      | --      | --      | --      |
| #2      | 762      | 1000     | --      | --      | --      | --      | --      |

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## Analysis Report

Sat 03-09-96 05:58:48 PM

page 1

Method: CLPSUE

Sample Name: PLCS5783746

Operator:

Run Time: 03/09/96 17:53:30

Comment:

Mode: CONC Corr. Factor: 1

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | Ba4934   | Be3130   | Ca3179   | Cd2265   | Co2286   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc   | 19.82    | 470.8    | 6.042    | 20.97    | 196300.  | 44.53    | 160.6    |
| SDev   | .04      | .1       | .042     | .01      | 707.     | .06      | .3       |
| %RSD   | .2041    | .0241    | .7030    | .0522    | .3602    | .1295    | .1884    |
| #1     | 19.84    | 470.9    | 6.011    | 20.96    | 195800.  | 44.49    | 160.4    |
| #2     | 19.79    | 470.7    | 6.072    | 20.98    | 196800.  | 44.58    | 160.8    |
| Errors | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  | LC Pass  | NOCHECK  | NOCHECK  |
| High   |          |          |          |          | 225600.  |          |          |
| Low    |          |          |          |          | 166800.  |          |          |
| Elem   | Cr2677   | Cu3247   | Fe2714   | K_7664   | Mg2790   | Mn2576   | Mo2020   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc   | 108.3    | 6891.    | 24230.   | 202.6    | 118700.  | 214.6    | 55.39    |
| SDev   | .0       | .18.     | .40.     | 5.8      | .220.    | .3       | .20      |
| %RSD   | .0459    | .2360    | .1661    | 2.878    | .1849    | .1561    | .3674    |
| #1     | 108.3    | 6902.    | 24200.   | 198.4    | 118600.  | 214.3    | 55.25    |
| #2     | 108.3    | 6879.    | 24260.   | 206.7    | 118900.  | 214.8    | 55.54    |
| Errors | NOCHECK  | LC Pass  | NOCHECK  | NOCHECK  | LC Pass  | NOCHECK  | NOCHECK  |
| High   |          | 7820.    |          |          | 129900.  |          |          |
| Low    |          | 6006.    |          |          | 100400.  |          |          |
| Elem   | Na3302   | Ni2616   | Tl1909   | V_2924   | Zn2138   | Pb2202   | Zo1860   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc   | 1388.    | 64.60    | 42.31    | 70.44    | 188.5    | 244.9    | 45.01    |
| SDev   | 121.     | .01      | 2.89     | .05      | .5       | .2       | 3.10     |
| %RSD   | 8.692    | .0120    | 6.849    | .0717    | .2834    | .0766    | 6.884    |
| #1     | 1303.    | 64.60    | 44.21    | 70.41    | 188.2    | 245.0    | 42.82    |
| #2     | 1473.    | 64.59    | 40.41    | 70.48    | 188.9    | 244.8    | 47.20    |
| Errors | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  |
| High   |          |          |          |          |          |          |          |
| Low    |          |          |          |          |          |          |          |
| Elem   | Sb2068   | As1890   | 22031    | 22032    | 20681    | 20682    | 19601    |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc   | 247.7    | 1091.    | 245.3    | 244.7    | 242.5    | 250.3    | 44.23    |
| SDev   | .6       | 2.       | .3       | .4       | 1.7      | 1.7      | 1.99     |
| %RSD   | .2319    | .1816    | .1136    | .1718    | .6938    | .6801    | 4.507    |
| #1     | 247.3    | 1093.    | 245.1    | 245.0    | 243.7    | 249.1    | 42.82    |
| #2     | 248.1    | 1090.    | 245.5    | 244.4    | 241.3    | 251.5    | 45.64    |
| Errors | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  |
| High   |          |          |          |          |          |          |          |
| Low    |          |          |          |          |          |          |          |
| Elem   | 19602    | Sn1899   | Ti3349   | Bi2230   |          |          |          |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter |          |          |          |

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## Analysis Report

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|        |         |         |         |         |
|--------|---------|---------|---------|---------|
| Avgc   | 45.38   | 8.825   | 15.06   | 90.31   |
| SDev   | 3.65    | 2.327   | 2.08    | .93     |
| %RSD   | 8.043   | 26.37   | 13.79   | 1.033   |
| #1     | 42.80   | 10.47   | 13.59   | 90.97   |
| #2     | 47.96   | 7.179   | 16.53   | 89.65   |
| Errors | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| High   |         |         |         |         |
| Low    |         |         |         |         |

| IntStd | 1        | 2        | 3       | 4       | 5       | 6       | 7       |
|--------|----------|----------|---------|---------|---------|---------|---------|
| Mode   | Counts   | Time     | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem   | Y        | --       | --      | --      | --      | --      | --      |
| Wavlen | 371.030  | --       | --      | --      | --      | --      | --      |
| Avgc   | 818      | 1000     | --      | --      | --      | --      | --      |
| SDev   | 1.697117 | .0000000 | --      | --      | --      | --      | --      |
| %RSD   | .2075626 | .0000000 | --      | --      | --      | --      | --      |
| #1     | 818      | 1000     | --      | --      | --      | --      | --      |
| #2     | 818      | 1000     | --      | --      | --      | --      | --      |

AR318990

## Analysis Report

Sat 03-09-96 06:04:12 PM

page 1

Method: CLPSUE Sample Name: 783743  
 Run Time: 03/09/96 17:58:54  
 Comment:  
 Mode: CONC Corr. Factor: 1

Operator:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | Ba4934   | Be3130   | Ca3179   | Cd2265   | Co2286   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg    | -.2466   | 33800.   | 56.34    | .6886    | 1765.    | -2.020   | 1.173    |
| SDev   | .1697    | 22.      | .01      | .0131    | 16.      | .021     | .101     |
| %RSD   | 68.82    | .0644    | .0159    | 1.895    | .9178    | 1.019    | 8.600    |
| #1     | -.1266   | 33790.   | 56.33    | .6979    | 1776.    | -2.006   | 1.245    |
| #2     | -.3666   | 33820.   | 56.34    | .6794    | 1753.    | -2.035   | 1.102    |
| Errors | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  |
| High   | 2500.    | 600000.  | 25000.   | 25000.   | 600000.  | 25000.   | 25000.   |
| Low    | -10.00   | -200.0   | -200.0   | -5.000   | -5000.   | -5.000   | -50.00   |
| Elem   | Cr2677   | Cu3247   | Fe2714   | K_7664   | Mg2790   | Mn2576   | Mo2020   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg    | 76.57    | 8.054    | 29180.   | 284.1    | 506.6    | 89.13    | 1.331    |
| SDev   | .68      | .357     | .62      | 7.6      | 6.2      | .02      | .463     |
| %RSD   | .8902    | 4.556    | .2121    | 2.688    | 1.214    | .0180    | 34.77    |
| #1     | 76.85    | 8.313    | 29220.   | 289.5    | 510.9    | 89.14    | 1.658    |
| #2     | 75.88    | 7.794    | 29130.   | 278.7    | 502.2    | 89.11    | 1.003    |
| Errors | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  |
| High   | 25000.   | 25000.   | 300000.  | 450000.  | 600000.  | 25000.   | 25000.   |
| Low    | -10.00   | -25.00   | -100.0   | -5000.   | -5000.   | -15.00   | -3.000   |
| Elem   | Na3302   | Ni2916   | Tl1308   | V_2924   | Zn2168   | Pb2203   | Sr1960   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg    | 2061.    | 7.909    | -5.114   | 109.4    | 6.520    | 26.03    | 1.309    |
| SDev   | 55.      | .022     | 1.576    | .2       | .165     | .71      | .525     |
| %RSD   | 2.660    | .3124    | 30.81    | .1817    | 2.526    | 2.711    | 40.13    |
| #1     | 2100.    | 6.993    | -4.000   | 109.5    | 6.404    | 26.53    | 1.681    |
| #2     | 2022.    | 7.024    | -6.229   | 109.2    | 6.637    | 25.53    | .9377    |
| Errors | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  |
| High   | 600000.  | 25000.   | 25000.   | 25000.   | 25000.   | 25000.   | 25000.   |
| Low    | -5000.   | -40.00   | -10.00   | -50.00   | -20.00   | -3.000   | -5.000   |
| Elem   | Sb2068   | As1890   | 22031    | 22032    | 20681    | 20682    | 19601    |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg    | 1.095    | 5.711    | 41.17    | 18.45    | .4731    | 1.391    | -6.121   |
| SDev   | .207     | 2.582    | .93      | .60      | 1.022    | .200     | 2.327    |
| %RSD   | 18.91    | 45.22    | 2.256    | 3.226    | 216.0    | 14.37    | 38.02    |
| #1     | .9482    | 7.537    | 41.82    | 18.87    | -.2495   | 1.532    | -4.475   |
| #2     | 1.241    | 3.885    | 40.51    | 18.03    | 1.196    | 1.249    | -7.766   |
| Errors | LC Pass  | LC Pass  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  |
| High   | 10000.   | 25000.   |          |          |          |          |          |
| Low    | -60.00   | -10.00   |          |          |          |          |          |
| Elem   | 19602    | Sn1899   | Ti3349   | Bi2230   |          |          |          |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter |          |          |          |

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## Analysis Report

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|        |          |          |         |         |         |         |         |
|--------|----------|----------|---------|---------|---------|---------|---------|
| Avge   | 5.005    | 8.483    | 146.5   | 1.189   |         |         |         |
| EDev   | .374     | 2.499    | 5.9     | .969    |         |         |         |
| %RSD   | 7.474    | 29.46    | 4.028   | 81.52   |         |         |         |
| #1     | 4.740    | 6.716    | 150.7   | 1.874   |         |         |         |
| #2     | 5.269    | 10.25    | 142.3   | .5035   |         |         |         |
| Errors | NOCHECK  | LC Pass  | LC Pass | LC Pass |         |         |         |
| High   |          | 10000.   | 10000.  | 10000.  |         |         |         |
| Low    |          | -20.00   | -30.00  | -10.00  |         |         |         |
| IntStd | 1        | 2        | 3       | 4       | 5       | 6       | 7       |
| Mode   | Counts   | Time     | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem   | Y        | --       | --      | --      | --      | --      | --      |
| Wavlen | 371.030  | --       | --      | --      | --      | --      | --      |
| Avge   | 860      | 1000     | --      | --      | --      | --      | --      |
| EDev   | 2.969987 | .0000000 | --      | --      | --      | --      | --      |
| %RSD   | .3453969 | .0000000 | --      | --      | --      | --      | --      |
| #1     | 858      | 1000     | --      | --      | --      | --      | --      |
| #2     | 862      | 1000     | --      | --      | --      | --      | --      |

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## Analysis Report

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Method: CLPSUE Sample Name: 783745  
 Run Time: 03/09/96 18:04:18  
 Comment:  
 Mode: CONC Corr. Factor: 1

Operator:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | Ba4934   | Be3130   | Ca3179   | Cd2265   | Co2286   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avge   | -.2408   | 28910.   | 50.75    | .6668    | 1585.    | -1.590   | .8990    |
| SDev   | .1293    | 14.      | .05      | .0136    | 3.       | .127     | .2153    |
| %RSD   | 53.71    | .0488    | .0892    | 2.046    | .1949    | 7.965    | 23.95    |
| #1     | -.1493   | 28920.   | 50.79    | .6571    | 1587.    | -1.500   | 1.051    |
| #2     | -.3322   | 28900.   | 50.72    | .6764    | 1582.    | -1.679   | .7467    |
| Errors | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  |
| High   | 2500.    | 600000.  | 25000.   | 25000.   | 600000.  | 25000.   | 25000.   |
| Low    | -10.00   | -200.0   | -200.0   | -5.000   | -5000.   | -5.000   | -50.00   |
| Elem   | Cr2677   | Cu3247   | Fe2714   | K_7064   | Hg2790   | Mn2576   | Mo2020   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avge   | 41.82    | 6.672    | 23590.   | 255.1    | 427.8    | 87.34    | 2.281    |
| SDev   | .10      | .264     | 18.      | 2.1      | 2.4      | .02      | .170     |
| %RSD   | .2424    | 3.956    | .0766    | .8329    | .5668    | .0209    | 7.448    |
| #1     | 41.39    | 6.858    | 23610.   | 256.6    | 429.5    | 87.35    | 2.401    |
| #2     | 41.75    | 6.485    | 23580.   | 253.6    | 426.0    | 87.33    | 2.160    |
| Errors | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  |
| High   | 25000.   | 25000.   | 300000.  | 450000.  | 600000.  | 25000.   | 25000.   |
| Low    | -10.00   | -25.00   | -100.0   | -5000.   | -5000.   | -15.00   | -3.000   |
| Elem   | Ns2302   | Ni2316   | Tl1903   | V_2024   | Zn2138   | Pb2203   | Se1960   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avge   | 1893.    | 5.895    | -3.480   | 84.82    | 7.388    | 22.74    | 2.693    |
| SDev   | 76.      | .424     | .367     | .15      | .139     | .79      | .600     |
| %RSD   | 4.033    | 3.377    | 10.56    | .1744    | 1.876    | 3.488    | 33.41    |
| #1     | 1947.    | 6.244    | -3.740   | 84.82    | 7.290    | 23.30    | 2.057    |
| #2     | 1839.    | 5.546    | -3.220   | 85.03    | 7.486    | 22.18    | 3.329    |
| Errors | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  |
| High   | 600000.  | 25000.   | 25000.   | 25000.   | 25000.   | 25000.   | 25000.   |
| Low    | -5000.   | -40.00   | -10.00   | -50.00   | -20.00   | -3.000   | -5.000   |
| Elem   | Sb2068   | As1890   | 22031    | 22032    | 20681    | 20682    | 19601    |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avge   | 1.068    | 4.114    | 34.89    | 16.66    | -.4215   | 1.798    | -2.537   |
| SDev   | 1.997    | .404     | 1.81     | .28      | .9346    | 2.528    | 2.738    |
| %RSD   | 187.0    | 9.810    | 5.200    | 1.709    | 221.7    | 140.6    | 107.9    |
| #1     | 2.480    | 3.829    | 36.17    | 16.86    | .2393    | 3.585    | -4.472   |
| #2     | -.3444   | 4.399    | 33.61    | 16.46    | -1.082   | .0101    | -.6008   |
| Errors | LC Pass  | LC Pass  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  |
| High   | 10000.   | 25000.   |          |          |          |          |          |
| Low    | -60.00   | -10.00   |          |          |          |          |          |
| Elem   | 19602    | Sn1899   | Ti3349   | Bi2230   |          |          |          |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter |          |          |          |

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## Analysis Report

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|        |          |          |         |         |         |         |         |
|--------|----------|----------|---------|---------|---------|---------|---------|
| Avge   | 5.290    | 8.244    | 134.7   | .8731   |         |         |         |
| SDev   | .018     | .018     | 1.8     | 3.273   |         |         |         |
| %RSD   | .3363    | .2237    | 1.347   | 374.9   |         |         |         |
| #1     | 5.302    | 8.257    | 136.0   | 3.187   |         |         |         |
| #2     | 5.277    | 8.231    | 133.5   | -1.441  |         |         |         |
| Errors | NOCHECK  | LC Pass  | LC Pass | LC Pass |         |         |         |
| High   |          | 10000.   | 10000.  | 10000.  |         |         |         |
| Low    |          | -20.00   | -30.00  | -10.00  |         |         |         |
| IntStd | 1        | 2        | 3       | 4       | 5       | 6       | 7       |
| Mode   | Counts   | Time     | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem   | Y        | --       | --      | --      | --      | --      | --      |
| Wavlen | 371.030  | --       | --      | --      | --      | --      | --      |
| Avge   | 867      | 1000     | --      | --      | --      | --      | --      |
| SDev   | 1.225698 | .0000000 | --      | --      | --      | --      | --      |
| %RSD   | .1414087 | .0000000 | --      | --      | --      | --      | --      |
| #1     | 865      | 1000     | --      | --      | --      | --      | --      |
| #2     | 868      | 1000     | --      | --      | --      | --      | --      |

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## Analysis Report

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Method: CLPSUE Sample Name: 783744  
 Run Time: 03/09/96 18:09:42  
 Comment:  
 Mode: CONC Corr. Factor: 1

Operator:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | Ba4934   | Be3130   | Ca3179   | Cd2265   | Co2286   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc   | 44.54    | 44500.   | 1916.    | 45.65    | 1601.    | 44.41    | 471.7    |
| SDev   | .04      | 96.      | 2.       | .14      | 9.       | .09      | 2.3      |
| %RSD   | .0911    | .2153    | .0831    | .3087    | .5591    | .2027    | .4842    |
| #1     | 44.56    | 44440.   | 1917.    | 45.55    | 1594.    | 44.35    | 470.1    |
| #2     | 44.51    | 44570.   | 1914.    | 45.75    | 1607.    | 44.47    | 473.3    |
| Errors | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  |
| High   | 2500.    | 600000.  | 25000.   | 25000.   | 600000.  | 25000.   | 25000.   |
| Low    | -10.00   | -200.0   | -200.0   | -5.000   | -5000.   | -5.000   | -50.00   |
| Elem   | Cr2677   | Cu3247   | Fe2714   | K_7664   | Mg2790   | Mn2576   | Mo2020   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc   | 263.3    | 243.6    | 28710.   | 403.5    | 575.7    | 546.4    | 1.115    |
| SDev   | .9       | .6       | 113.     | 2.2      | .7       | 2.2      | .195     |
| %RSD   | .3370    | .2286    | .3941    | .7047    | .1202    | .4067    | 17.30    |
| #1     | 263.3    | 244.0    | 28630.   | 401.5    | 575.2    | 544.8    | 1.253    |
| #2     | 264.5    | 245.3    | 28790.   | 405.5    | 576.2    | 547.9    | .9767    |
| Errors | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  |
| High   | 25000.   | 25000.   | 300000.  | 450000.  | 600000.  | 25000.   | 25000.   |
| Low    | -10.00   | -25.00   | -100.0   | -5000.   | -5000.   | -15.00   | -2.000   |
| Elem   | Na3302   | Ni2316   | Tl1908   | V_2924   | Zn2133   | Pb2203   | Se1960   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc   | 2536.    | 475.2    | 1853.    | 577.6    | 474.1    | 494.0    | 1667.    |
| SDev   | 72.      | 3.3      | 4.       | 1.8      | 2.0      | 3.3      | .        |
| %RSD   | 2.830    | .7011    | .2263    | .3184    | .4222    | .6618    | .0159    |
| #1     | 2485.    | 472.9    | 1855.    | 576.3    | 472.6    | 491.7    | 1667.    |
| #2     | 2587.    | 477.6    | 1861.    | 578.9    | 475.5    | 496.3    | 1667.    |
| Errors | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  |
| High   | 600000.  | 25000.   | 25000.   | 25000.   | 25000.   | 25000.   | 25000.   |
| Low    | -5000.   | -40.00   | -10.00   | -50.00   | -20.00   | -3.000   | -5.000   |
| Elem   | Sb2068   | As1890   | 22031    | 22032    | 20681    | 20682    | 19601    |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc   | 195.7    | 1768.    | 513.0    | 484.5    | 190.2    | 198.4    | 1652.    |
| SDev   | 3.4      | 3.       | 1.8      | 5.8      | 5.1      | 2.6      | 3.       |
| %RSD   | 1.745    | .1532    | .3426    | 1.193    | 2.661    | 1.307    | .1824    |
| #1     | 193.3    | 1766.    | 514.2    | 480.4    | 186.6    | 196.6    | 1650.    |
| #2     | 198.1    | 1770.    | 511.8    | 488.6    | 193.8    | 200.2    | 1654.    |
| Errors | LC Pass  | LC Pass  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  |
| High   | 10000.   | 25000.   |          |          |          |          |          |
| Low    | -60.00   | -10.00   |          |          |          |          |          |
| Elem   | 19602    | Sn1899   | Ti3349   | Bi2230   |          |          |          |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter |          |          |          |

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Analysis Report

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|        |         |         |         |         |
|--------|---------|---------|---------|---------|
| Avge   | 1674.   | 10.11   | 136.9   | 1.765   |
| SDev   | 1.      | 1.46    | .6      | 1.992   |
| %RSD   | .0661   | 14.49   | .4284   | 112.9   |
| #1     | 1675.   | 11.15   | 136.5   | 3.174   |
| #2     | 1674.   | 9.076   | 137.3   | .3563   |
| Errors | NOCHECK | LC Pass | LC Pass | LC Pass |
| High   |         | 10000.  | 10000.  | 10000.  |
| Low    |         | -20.00  | -30.00  | -10.00  |

| IntStd. | 1        | 2        | 3       | 4       | 5       | 6       | 7       |
|---------|----------|----------|---------|---------|---------|---------|---------|
| Mode    | Counts   | Time     | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem    | Y        | --       | --      | --      | --      | --      | --      |
| Wavlen  | 371.030  | --       | --      | --      | --      | --      | --      |
| Avge    | 360      | 1000     | --      | --      | --      | --      | --      |
| SDev    | 2.074278 | .0000000 | --      | --      | --      | --      | --      |
| %RSD    | .2412391 | .0000000 | --      | --      | --      | --      | --      |
| #1      | 861      | 1000     | --      | --      | --      | --      | --      |
| #2      | 852      | 1000     | --      | --      | --      | --      | --      |

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## Analysis Report

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Method: CLPSUE Sample Name: SDI783743

Operator:

Run Time: 03/09/96 18:15:06

Comment:

Mode: CONC Corr. Factor: 1

| Elem  | Ag3280   | Al3082   | Ba4934   | Be3130   | Ca3179   | Cd2265   | Co2286   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | -.0871   | 6917.    | 11.85    | .2969    | 308.3    | -.7345   | .2969    |
| SDev  | .4041    | 5.       | .06      | .0009    | 1.7      | .2049    | .1164    |
| %RSD  | 464.2    | .0667    | .4705    | .3107    | .5557    | 27.90    | 39.22    |

|    |        |       |       |       |       |        |       |
|----|--------|-------|-------|-------|-------|--------|-------|
| #1 | .1987  | 6921. | 11.81 | .2963 | 309.5 | -.5896 | .2146 |
| #2 | -.3728 | 6914. | 11.89 | .2976 | 307.1 | -.8794 | .3793 |

| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
|--------|---------|---------|---------|---------|---------|---------|---------|
| High   | 2500.   | 600000. | 25000.  | 25000.  | 600000. | 25000.  | 25000.  |
| Low    | -10.00  | -200.0  | -200.0  | -5.000  | -5000.  | -5.000  | -50.00  |

| Elem  | Cr2677   | Cu3247   | Fe2714   | K_7664   | Mg2790   | Mn2576   | Mo2020   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | 16.23    | 1.341    | 5938.    | 94.97    | 102.0    | 18.14    | -.0694   |
| SDev  | .04      | .014     | .2.      | 5.21     | .4       | .05      | .0755    |
| %RSD  | .2530    | 1.080    | .0260    | 5.481    | .4356    | .2625    | 132.8    |

|    |       |       |       |       |       |       |        |
|----|-------|-------|-------|-------|-------|-------|--------|
| #1 | 16.26 | 1.331 | 5940. | 93.65 | 101.7 | 18.17 | -.0160 |
| #2 | 16.20 | 1.352 | 5937. | 91.29 | 102.4 | 18.10 | -.1227 |

| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
|--------|---------|---------|---------|---------|---------|---------|---------|
| High   | 25000.  | 25000.  | 300000. | 450000. | 600000. | 25000.  | 25000.  |
| Low    | -10.00  | -25.00  | -100.0  | -5000.  | -5000.  | -15.00  | -3.000  |

| Elem  | Na3302   | Ni2316   | Pb1908   | V_2924   | Zn2138   | Pb2203   | Zn1960   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | 327.9    | 2.384    | .9708    | 22.11    | -1.803   | 5.158    | -.3812   |
| SDev  | 121.4    | .049     | 2.280    | .12      | .139     | .074     | 2.1820   |
| %RSD  | 13.08    | 2.058    | 234.8    | .5546    | 7.707    | 1.440    | 575.0    |

|    |       |       |        |       |        |       |        |
|----|-------|-------|--------|-------|--------|-------|--------|
| #1 | 1014. | 2.419 | 2.583  | 22.03 | -1.904 | 5.211 | 1.169  |
| #2 | 842.1 | 2.350 | -.6410 | 22.20 | -1.707 | 5.106 | -1.931 |

| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
|--------|---------|---------|---------|---------|---------|---------|---------|
| High   | 600000. | 25000.  | 25000.  | 25000.  | 25000.  | 25000.  | 25000.  |
| Low    | -5000.  | -40.00  | -10.00  | -50.00  | -20.00  | -3.000  | -5.000  |

| Elem  | Sb2068   | As1890   | 22031    | 22032    | 20681    | 20682    | 19601    |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | .8014    | .8352    | 7.917    | 3.767    | -.8288   | 1.602    | -1.872   |
| SDev  | .2442    | 1.346    | 1.234    | .726     | 1.0558   | .894     | .710     |
| %RSD  | 30.47    | 161.2    | 15.59    | 19.28    | 127.4    | 55.82    | 37.92    |

|    |       |        |       |       |        |       |        |
|----|-------|--------|-------|-------|--------|-------|--------|
| #1 | .9741 | 1.787  | 7.044 | 4.280 | -1.575 | 2.235 | -1.370 |
| #2 | .6287 | -.1166 | 8.789 | 3.253 | -.0823 | .9700 | -2.374 |

| Errors | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
|--------|---------|---------|---------|---------|---------|---------|---------|
| High   | 10000.  | 25000.  |         |         |         |         |         |
| Low    | -60.00  | -10.00  |         |         |         |         |         |

| Elem  | 19602    | Sn1899   | Ti3349   | Bi2230   |
|-------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter |

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## Analysis Report

Sat 03-09-96 06:20:24 PM

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|      |       |       |       |       |
|------|-------|-------|-------|-------|
| Avge | .3493 | .2957 | 31.78 | 1.845 |
| SDev | 2.932 | 1.213 | 3.29  | 1.668 |
| %RSD | 839.3 | 410.2 | 10.35 | 90.43 |

|    |        |        |       |       |
|----|--------|--------|-------|-------|
| #1 | 2.422  | -.5621 | 34.10 | 3.025 |
| #2 | -1.724 | 1.153  | 29.45 | .6653 |

|        |         |         |         |         |
|--------|---------|---------|---------|---------|
| Errors | NOCHECK | LC Pass | LC Pass | LC Pass |
| High   |         | 10000.  | 10000.  | 10000.  |
| Low    |         | -20.00  | -30.00  | -10.00  |

|        |          |          |         |         |         |         |         |
|--------|----------|----------|---------|---------|---------|---------|---------|
| IntStd | 1        | 2        | 3       | 4       | 5       | 6       | 7       |
| Mode   | Counts   | Time     | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem.  | Y        | --       | --      | --      | --      | --      | --      |
| Wavlen | 371.030  | --       | --      | --      | --      | --      | --      |
| Avge   | 872      | 1000     | --      | --      | --      | --      | --      |
| SDev   | 2.262880 | .0000000 | --      | --      | --      | --      | --      |
| %RSD   | .2596504 | .0000000 | --      | --      | --      | --      | --      |
| #1     | 870      | 1000     | --      | --      | --      | --      | --      |
| #2     | 873      | 1000     | --      | --      | --      | --      | --      |

AR318998

## Analysis Report

Sat 03-09-96 06:25:48 PM

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Method: CLPSUE Sample Name: 783747  
 Run Time: 03/09/96 18:20:29  
 Comment:  
 Mode: CONC Corr. Factor: 1

Operator:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | Ba4934   | Be3130   | Ca3179   | Cd2265   | Co2286   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avge   | .2230    | 14270.   | 45.81    | .5922    | 2704.    | 1.982    | 1.572    |
| SDev   | .1697    | 18.      | .05      | .0033    | 1.       | .017     | .053     |
| %RSD   | 76.11    | .1251    | .1005    | .5631    | .0415    | .8522    | 3.378    |
| #1     | .3430    | 14280.   | 45.84    | .5898    | 2705.    | 1.970    | 1.534    |
| #2     | .1030    | 14250.   | 45.78    | .5946    | 2703.    | 1.994    | 1.609    |
| Errors | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  |
| High   | 2500.    | 600000.  | 25000.   | 25000.   | 600000.  | 25000.   | 25000.   |
| Low    | -10.00   | -200.0   | -200.0   | -5.000   | -5000.   | -5.000   | -50.00   |
| Elem   | Cr2677   | Cu3247   | Fe2714   | K_7664   | Mg2790   | Mn2576   | Mo2020   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avge   | 33.51    | 3.864    | 12020.   | 250.3    | 426.1    | 75.24    | 1.686    |
| SDev   | .14      | .132     | 4.       | 6.8      | 1.2      | .19      | .066     |
| %RSD   | .4118    | 1.373    | .0346    | 2.705    | .2854    | .2495    | 3.520    |
| #1     | 33.60    | 3.673    | 12020.   | 255.1    | 429.0    | 76.08    | 1.932    |
| #2     | 33.41    | 3.491    | 12020.   | 245.5    | 427.2    | 75.81    | 1.839    |
| Errors | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  |
| High   | 25000.   | 25000.   | 300000.  | 480000.  | 600000.  | 25000.   | 25000.   |
| Low    | -10.00   | -25.00   | -100.0   | -5000.   | -5000.   | -15.00   | -3.000   |
| Elem   | Na3302   | Ni2316   | Tl1908   | V_2304   | Zn2138   | Pb2203   | Se1950   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avge   | 2429.    | 5.871    | -4.580   | 46.88    | 62.72    | 42.95    | -2.302   |
| SDev   | 44.      | .191     | 2.373    | .04      | .06      | .34      | .123     |
| %RSD   | 1.813    | 3.258    | 62.80    | .0913    | .0811    | .7878    | 4.392    |
| #1     | 2451.    | 6.005    | -2.544   | 46.89    | 69.68    | 43.19    | -2.715   |
| #2     | 2398.    | 5.735    | -6.616   | 46.83    | 69.76    | 42.71    | -2.859   |
| Errors | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  |
| High   | 600000.  | 25000.   | 25000.   | 25000.   | 25000.   | 25000.   | 25000.   |
| Low    | -5000.   | -40.00   | -10.00   | -50.00   | -20.00   | -3.000   | -5.000   |
| Elem   | Sb2068   | As1890   | 22031    | 22032    | 20681    | 20682    | 19601    |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avge   | 1.260    | 1.793    | 52.68    | 38.07    | 1.132    | 1.309    | -13.24   |
| SDev   | .440     | 1.392    | .08      | .55      | .564     | .378     | 2.62     |
| %RSD   | 34.92    | 77.63    | .1456    | 1.433    | 49.81    | 28.87    | 19.82    |
| #1     | .9486    | 2.777    | 52.63    | 38.45    | .7334    | 1.042    | -11.39   |
| #2     | 1.571    | .8088    | 52.74    | 37.68    | 1.531    | 1.577    | -15.10   |
| Errors | LC Pass  | LC Pass  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  |
| High   | 10000.   | 25000.   |          |          |          |          |          |
| Low    | -60.00   | -10.00   |          |          |          |          |          |
| Elem   | 19602    | Sn1899   | Ti3349   | Bi2230   |          |          |          |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter |          |          |          |

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## Analysis Report

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|        |         |         |         |         |
|--------|---------|---------|---------|---------|
| Avge   | 2.397   | 11.19   | 154.9   | 1.623   |
| SDev   | 1.126   | 5.02    | 3.8     | .077    |
| SRSD   | 46.97   | 44.83   | 2.421   | 4.735   |
| #1     | 1.601   | 7.646   | 157.6   | 1.569   |
| #2     | 3.193   | 14.74   | 152.3   | 1.678   |
| Errors | NOCHECK | LC Pass | LC Pass | LC Pass |
| High   |         | 10000.  | 10000.  | 10000.  |
| Low    |         | -20.00  | -30.00  | -10.00  |

| IntStd | 1        | 2        | 3       | 4       | 5       | 6       | 7       |
|--------|----------|----------|---------|---------|---------|---------|---------|
| Mode   | Counts   | Time     | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem   | Y        | --       | --      | --      | --      | --      | --      |
| Waylen | 371.030  | --       | --      | --      | --      | --      | --      |
| Avge   | 866      | 1000     | --      | --      | --      | --      | --      |
| SDev   | 2.451439 | .0000000 | --      | --      | --      | --      | --      |
| SRSD   | .2831491 | .0000000 | --      | --      | --      | --      | --      |
| #1     | 864      | 1000     | --      | --      | --      | --      | --      |
| #2     | 868      | 1000     | --      | --      | --      | --      | --      |

AR319000

## Analysis Report

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Method: CLPSUE Sample Name: 783748  
 Run Time: 03/09/96 18:25:53  
 Comment:  
 Mode: CONC Corr. Factor: 1

Operator:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | Ba4934   | Be3130   | Ca3179   | Cd2265   | Co2286   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg    | -.4642   | 26230.   | 1219.    | 4.105    | 1087.    | -4.309   | .0176    |
| SDev   | .0647    | 46.      | 1.       | .029     | 4.       | .034     | .1177    |
| %RSD   | 13.93    | .1764    | .0625    | .7115    | .4136    | .7912    | 670.3    |
| #1     | -.4185   | 26200.   | 1219.    | 4.126    | 1084.    | -4.333   | -.0656   |
| #2     | -.5100   | 26270.   | 1220.    | 4.085    | 1090.    | -4.285   | .1007    |
| Errors | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  |
| High   | 2500.    | 600000.  | 25000.   | 25000.   | 600000.  | 25000.   | 25000.   |
| Low    | -10.00   | -200.0   | -200.0   | -5.000   | -5000.   | -5.000   | -50.00   |
| Elem   | Cr2677   | Cu3247   | Fe2714   | K_7664   | Mg2790   | Mn2576   | Mo2020   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg    | 125.7    | 7.757    | 87770.   | 976.9    | 965.2    | 18.15    | -.5306   |
| SDev   | .2       | .235     | 35.      | .7       | 3.8      | .05      | .1868    |
| %RSD   | .1978    | 3.026    | .1079    | .0697    | .3978    | .2723    | 35.21    |
| #1     | 125.5    | 7.591    | 87700.   | 976.4    | 962.5    | 18.12    | -.3985   |
| #2     | 125.8    | 7.923    | 87840.   | 977.4    | 967.9    | 18.19    | -.6627   |
| Errors | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  |
| High   | 25000.   | 25000.   | 300000.  | 450000.  | 600000.  | 25000.   | 25000.   |
| Low    | -10.00   | -25.00   | -100.0   | -5000.   | -5000.   | -15.00   | -3.000   |
| Elem   | Na3302   | Ni2316   | Ti1908   | V_2924   | Zn2138   | Pb2203   | Se1960   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg    | 2444.    | 4.452    | .9535    | 176.4    | 19.25    | 51.85    | 1.260    |
| SDev   | 65.      | .257     | 1.228    | .3       | .28      | .17      | .569     |
| %RSD   | 2.648    | 5.782    | 129.9    | .1596    | 1.060    | .3240    | 45.14    |
| #1     | 2398.    | 4.270    | 1.829    | 176.2    | 19.11    | 51.73    | .8576    |
| #2     | 2489.    | 4.634    | .0779    | 176.6    | 19.40    | 51.97    | 1.662    |
| Errors | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  |
| High   | 600000.  | 25000.   | 25000.   | 25000.   | 25000.   | 25000.   | 25000.   |
| Low    | -5000.   | -40.00   | -10.00   | -50.00   | -20.00   | -3.000   | -5.000   |
| Elem   | Sb2068   | As1890   | 22031    | 22032    | 20681    | 20682    | 19601    |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg    | 2.339    | 3.618    | 58.89    | 48.32    | -.1661   | 3.576    | -9.422   |
| SDev   | .011     | .053     | 2.35     | 1.42     | 2.8121   | 1.388    | .456     |
| %RSD   | .4670    | 1.469    | 3.983    | 2.945    | 1693.    | 38.80    | 4.841    |
| #1     | 2.331    | 3.656    | 60.55    | 47.31    | -2.155   | 4.557    | -9.099   |
| #2     | 2.347    | 3.580    | 57.23    | 49.33    | 1.822    | 2.595    | -9.744   |
| Errors | LC Pass  | LC Pass  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  |
| High   | 10000.   | 25000.   |          |          |          |          |          |
| Low    | -60.00   | -10.00   |          |          |          |          |          |
| Elem   | 19602    | Sn1899   | Ti3349   | Bi2230   |          |          |          |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter |          |          |          |

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Analysis Report

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|        |         |         |         |         |
|--------|---------|---------|---------|---------|
| Avge   | 6.580   | 7.327   | 129.4   | 4.049   |
| SDev   | 1.078   | 2.251   | .0      | .974    |
| %RSD   | 16.38   | 30.72   | .0255   | 24.05   |
| #1     | 5.818   | 5.735   | 129.4   | 4.737   |
| #2     | 7.342   | 8.918   | 129.4   | 3.360   |
| Errors | NOCHECK | LC Pass | LC Pass | LC Pass |
| High   |         | 10000.  | 10000.  | 10000.  |
| Low    |         | -20.00  | -30.00  | -10.00  |

|        |          |          |         |         |         |         |         |
|--------|----------|----------|---------|---------|---------|---------|---------|
| IntStd | 1        | 2        | 3       | 4       | 5       | 6       | 7       |
| Mode   | Counts   | Time     | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem   | Y        | --       | --      | --      | --      | --      | --      |
| Wavlen | 371.030  | --       | --      | --      | --      | --      | --      |
| Avge   | 875      | 1000     | --      | --      | --      | --      | --      |
| SDev   | 1.131597 | .0000000 | --      | --      | --      | --      | --      |
| %RSD   | .1292763 | .0000000 | --      | --      | --      | --      | --      |
| #1     | 374      | 1000     | --      | --      | --      | --      | --      |
| #2     | 376      | 1000     | --      | --      | --      | --      | --      |

## Analysis Report

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Method: CLPSUE Sample Name: 783749  
 Run Time: 03/09/96 18:31:17  
 Comment:  
 Mode: CONC Corr. Factor: 1

Operator:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3290   | Al3082   | Ba4934   | Be3130   | Ca3179   | Cd2265   | Co2286   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc   | .5765    | 6898.    | 12.51    | .3255    | 676.0    | -.8388   | .1291    |
| SDev   | .0162    | 11.      | .07      | .0104    | 1.2      | .0247    | .1845    |
| %RSD   | 2.804    | .1621    | .5895    | 3.209    | .1732    | 2.940    | 142.9    |
| #1     | .5980    | 6906.    | 12.56    | .3329    | 676.8    | -.8563   | .2526    |
| #2     | .5651    | 6891.    | 12.46    | .3181    | 675.2    | -.8214   | -.0014   |
| Errors | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  |
| High   | 2500.    | 600000.  | 25000.   | 25000.   | 600000.  | 25000.   | 25000.   |
| Low    | -10.00   | -200.0   | -200.0   | -5.000   | -5000.   | -5.000   | -50.00   |
| Elem   | Cr2677   | Cu3247   | Fe2714   | K_7654   | Mg2790   | Mn2576   | Mo2020   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc   | 20.75    | 2.221    | 1703.    | 195.9    | 208.2    | 8.961    | -.2585   |
| SDev   | .52      | .015     | 5.       | 2.2      | 1.2      | .027     | .6126    |
| %RSD   | 2.490    | .6442    | .2804    | 1.099    | .5797    | .2037    | 228.1    |
| #1     | 21.11    | 2.292    | 1706.    | 197.4    | 207.4    | 8.942    | -.7017   |
| #2     | 20.38    | 2.271    | 1699.    | 194.3    | 209.1    | 8.980    | .1646    |
| Errors | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  |
| High   | 25000.   | 25000.   | 300000.  | 450000.  | 600000.  | 25000.   | 25000.   |
| Low    | -10.00   | -25.00   | -100.0   | -5000.   | -5000.   | -15.00   | -3.000   |
| Elem   | Na3302   | Ni2316   | Tl1908   | V_2924   | Zn2138   | Pb2203   | Sr1960   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc   | 2418.    | 2.769    | -3.465   | 9.051    | 17.72    | 6.950    | 1.615    |
| SDev   | .09.     | .138     | .723     | .067     | .04      | .053     | .223     |
| %RSD   | .3525    | 4.998    | 21.15    | .7409    | .2366    | .7592    | 14.43    |
| #1     | 2412.    | 2.866    | -2.947   | 9.004    | 17.69    | 6.913    | 1.779    |
| #2     | 2424.    | 2.671    | -3.983   | 9.099    | 17.75    | 6.988    | 1.450    |
| Errors | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  | LC Pass  |
| High   | 600000.  | 25000.   | 25000.   | 25000.   | 25000.   | 25000.   | 25000.   |
| Low    | -5000.   | -40.00   | -10.00   | -50.00   | -20.00   | -3.000   | -5.000   |
| Elem   | Sb2068   | As1890   | 22031    | 22032    | 20681    | 20682    | 19601    |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc   | .9146    | -2.640   | 13.88    | 3.475    | .1963    | 1.259    | -6.028   |
| SDev   | .1046    | 1.636    | .39      | .276     | .5823    | .134     | 4.381    |
| %RSD   | 11.43    | 61.96    | 2.843    | 7.947    | 296.7    | 10.64    | 72.69    |
| #1     | .9886    | -1.483   | 14.16    | 3.280    | .6080    | 1.165    | -9.126   |
| #2     | .8407    | -3.797   | 13.60    | 3.670    | -.2155   | 1.354    | -2.930   |
| Errors | LC Pass  | LC Pass  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  |
| High   | 10000.   | 25000.   |          |          |          |          |          |
| Low    | -60.00   | -10.00   |          |          |          |          |          |
| Elem   | 19602    | Sn1899   | Ti3349   | Bi2230   |          |          |          |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter |          |          |          |

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## Analysis Report

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|        |           |          |         |         |         |         |         |
|--------|-----------|----------|---------|---------|---------|---------|---------|
| Avge   | 5.416     | 6.855    | 150.3   | 2.469   |         |         |         |
| SDev   | 2.537     | 5.377    | 2.0     | .815    |         |         |         |
| %RSD   | 46.84     | 78.44    | 1.316   | 33.02   |         |         |         |
| #1     | 7.210     | 10.66    | 148.9   | 3.044   |         |         |         |
| #2     | 3.622     | 3.053    | 151.7   | 1.892   |         |         |         |
| Errors | NOCHECK   | LC Pass  | LC Pass | LC Pass |         |         |         |
| High   |           | 10000.   | 10000.  | 10000.  |         |         |         |
| Low    |           | -20.00   | -30.00  | -10.00  |         |         |         |
| IntStd | 1         | 2        | 3       | 4       | 5       | 6       | 7       |
| Mode   | Counts    | Time     | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem   | Y         | --       | --      | --      | --      | --      | --      |
| Wavlen | 371.030   | --       | --      | --      | --      | --      | --      |
| Avge   | 867       | 1000     | --      | --      | --      | --      | --      |
| SDev   | 2.451395, | .0000000 | --      | --      | --      | --      | --      |
| %RSD   | .2826218  | .0000000 | --      | --      | --      | --      | --      |
| #1     | 866       | 1000     | --      | --      | --      | --      | --      |
| #2     | 869       | 1000     | --      | --      | --      | --      | --      |

AR319004

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Method: CLPSUE      Sample Name: CCV      Operator:  
 Run Time: 03/09/96 18:36:41  
 Comment: CCV CVS1  
 Mode: CONC      Corr. Factor: 1

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | Ba4934   | Be3130   | Ca3179   | Cd2265   | Ce2286   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc   | 97.51    | 2010.    | 992.9    | 1011.    | 50040.   | 992.0    | 1013.    |
| SDev   | .48      | 3.       | .7       | 2.       | 154.     | 1.5      | 2.       |
| %RSD   | .4889    | .1420    | .0659    | .1892    | .3068    | .1520    | .2013    |
| #1     | 97.18    | 2012.    | 993.4    | 1009.    | 49930.   | 990.9    | 1011.    |
| #2     | 97.85    | 2008.    | 992.4    | 1012.    | 50150.   | 993.0    | 1014.    |
| Errors | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  |
| Value  | 100.0    | 2000.    | 1000.    | 1000.    | 50000.   | 1000.    | 1000.    |
| Range  | 10.50    | 10.50    | 10.50    | 10.50    | 10.50    | 10.50    | 10.50    |
| Elem   | Cr2677   | Cu3247   | Fe2714   | K_7664   | Mg2790   | Mn2576   | Mo2020   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc   | 989.3    | 1010.    | 2029.    | 48900.   | 49960.   | 999.8    | 1031.    |
| SDev   | 3.5      | 2.       | 11.      | 22.      | 59.      | 1.9      | 5.       |
| %RSD   | .3538    | .2471    | .5292    | .0654    | .1188    | .1950    | .4418    |
| #1     | 986.8    | 1011.    | 2021.    | 48930.   | 49920.   | 998.4    | 1028.    |
| #2     | 991.8    | 1008.    | 2036.    | 48880.   | 50010.   | 1001.    | 1034.    |
| Errors | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  |
| Value  | 1000.    | 1000.    | 2000.    | 50000.   | 50000.   | 1000.    | 1000.    |
| Range  | 10.50    | 10.50    | 10.50    | 10.50    | 10.50    | 10.50    | 10.50    |
| Elem   | Na3302   | Ni2316   | Tl1908   | V_2924   | Zn2138   | Pb2203   | Re1960   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc   | 49730.   | 980.5    | 1055.    | 1022.    | 1023.    | 1015.    | 1044.    |
| SDev   | 16.      | 1.1      | 1.       | 1.       | 2.       | 4.       | 2.       |
| %RSD   | .0326    | .1124    | .0567    | .1015    | .2266    | .3468    | .1820    |
| #1     | 49720.   | 989.7    | 1055.    | 1021.    | 1021.    | 1013.    | 1045.    |
| #2     | 49740.   | 991.3    | 1055.    | 1023.    | 1025.    | 1018.    | 1043.    |
| Errors | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  |
| Value  | 50000.   | 1000.    | 1000.    | 1000.    | 1000.    | 1000.    | 1000.    |
| Range  | 10.50    | 10.50    | 10.50    | 10.50    | 10.50    | 10.50    | 10.50    |
| Elem   | Sb2062   | As1890   | 22031    | 22032    | 20681    | 20682    | 19601    |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avgc   | 1033.    | 1044.    | 1013.    | 1016.    | 1020.    | 1039.    | 1036.    |
| SDev   | 1.       | 3.       | 5.       | 3.       | 2.       | 2.       | 6.       |
| %RSD   | .0624    | .2645    | .4500    | .2955    | .2139    | .1979    | .6226    |
| #1     | 1033.    | 1046.    | 1009.    | 1014.    | 1019.    | 1041.    | 1040.    |
| #2     | 1032.    | 1042.    | 1016.    | 1019.    | 1022.    | 1038.    | 1031.    |
| Errors | QC Pass  | QC Pass  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  |
| Value  | 1000.    | 1000.    |          |          |          |          |          |
| Range  | 10.50    | 10.50    |          |          |          |          |          |
| Elem   | 19602    | Sn1899   | Ti3349   | Bi2230   |          |          |          |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter |          |          |          |

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|        |          |          |         |         |         |         |         |
|--------|----------|----------|---------|---------|---------|---------|---------|
| Avge   | 1048.    | 1011.    | 1001.   | 1045.   |         |         |         |
| SDev   |          | 1.       | 1.      | 3.      |         |         |         |
| %RSD   | .0355    | .1046    | .0624   | .2556   |         |         |         |
| #1     | 1048.    | 1012.    | 1000.   | 1047.   |         |         |         |
| #2     | 1048.    | 1010.    | 1001.   | 1044.   |         |         |         |
| Errors | NOCHECK  | QC Pass  | QC Pass | QC Pass |         |         |         |
| Value  |          | 1000.    | 1000.   | 1000.   |         |         |         |
| Range  |          | 10.50    | 10.50   | 10.50   |         |         |         |
| IntStd | 1        | 2        | 3       | 4       | 5       | 6       | 7       |
| Mode   | Counts   | Time     | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem   | Y        | --       | --      | --      | --      | --      | --      |
| Wavlen | 371.030  | --       | --      | --      | --      | --      | --      |
| Avge   | 857      | 1000     | --      | --      | --      | --      | --      |
| SDev   | .8485368 | .0000000 | --      | --      | --      | --      | --      |
| %RSD   | .0929767 | .0000000 | --      | --      | --      | --      | --      |
| #1     | 858      | 1000     | --      | --      | --      | --      | --      |
| #2     | 857      | 1000     | --      | --      | --      | --      | --      |

AR319006

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Method: CLPSUE      Sample Name: CCB      Operator:  
 Run Time: 03/09/96 18:42:05  
 Comment: CCB  
 Mode: CONC      Corr! Factor: 1

| Elem  | Ag3280   | Al3082   | Ba4934   | Be3130   | Ca3179   | Cd2265   | Co2286   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | -.0743   | -2.081   | .4314    | .4899    | -41.35   | .1515    | .6170    |
| SEDev | .0162    | 1.653    | .0519    | .0135    | 1.33     | .0356    | .0813    |
| %RSD  | 21.75    | 79.43    | 12.02    | 2.764    | 3.227    | 23.52    | 13.18    |

|    |        |        |       |       |        |       |       |
|----|--------|--------|-------|-------|--------|-------|-------|
| #1 | -.0858 | -3.250 | .4681 | .4995 | -40.41 | .1767 | .5595 |
| #2 | -.0629 | -.9121 | .3948 | .4804 | -42.30 | .1263 | .6745 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass |
| Value  | .0000   | .0000   | .0000   | .0000   | .0000   | .0000   | .0000   |
| Range  | 10.00   | 200.0   | 200.0   | 5.000   | 500.0   | 5.000   | 50.00   |

| Elem  | Cr2677   | Cu3247   | Fe2714   | K_7664   | Mg2790   | Mn2676   | Mb2020   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | .4056    | .4873    | 10.00    | 19.61    | 18.66    | .4386    | .7616    |
| SEDev | .4505    | .0142    | 2.35     | 10.54    | .77      | .0270    | .1125    |
| %RSD  | 111.1    | 3.056    | 28.51    | 53.77    | 4.151    | 6.156    | 14.21    |

|    |       |       |       |       |       |       |       |
|----|-------|-------|-------|-------|-------|-------|-------|
| #1 | .7242 | .4979 | 12.02 | 27.06 | 19.21 | .4577 | .8419 |
| #2 | .0876 | .4763 | 7.987 | 12.15 | 18.11 | .4195 | .6812 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | NOCHECK |
| Value  | .0000   | .0000   | .0000   | .0000   | .0000   | .0000   |         |
| Range  | 10.00   | 25.00   | 100.0   | 5000.   | 5000.   | 15.00   |         |

| Elem  | Na3302   | Ni2316   | Tl1908   | V_2924   | Zn2133   | Pb2203   | Se1950   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | 217.7    | .4895    | -.1415   | .3760    | -3.951   | .2696    | -1.617   |
| SEDev | 129.3    | .2612    | .4907    | .2614    | .002     | .1142    | 2.618    |
| %RSD  | 66.96    | 53.37    | 346.5    | 69.52    | .0423    | 42.36    | 161.8    |

|    |       |       |        |       |        |       |        |
|----|-------|-------|--------|-------|--------|-------|--------|
| #1 | 351.6 | .6742 | -.4886 | .5608 | -3.950 | .3504 | -3.466 |
| #2 | 83.82 | .3048 | .2054  | .1912 | -3.952 | .1839 | .2331  |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass |
| Value  | .0000   | .0000   | .0000   | .0000   | .0000   | .0000   | .0000   |
| Range  | 5000.   | 40.00   | 10.00   | 50.00   | 20.00   | 3.000   | 5.000   |

| Elem  | Sb2068   | As1890   | 22031    | 22032    | 20681    | 20682    | 19601    |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | 1.835    | 1.536    | .2217    | .2799    | 1.927    | 1.777    | -1.570   |
| SEDev | .374     | .197     | 1.300    | .8203    | 2.181    | 1.651    | 4.252    |
| %RSD  | 20.37    | 12.80    | 586.3    | 293.0    | 113.2    | 92.91    | 270.9    |

|    |       |       |        |        |       |       |        |
|----|-------|-------|--------|--------|-------|-------|--------|
| #1 | 1.571 | 1.397 | -.6976 | .8600  | 3.470 | .6094 | -4.576 |
| #2 | 2.100 | 1.676 | 1.141  | -.3001 | .3850 | 2.944 | 1.437  |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | QC Pass | QC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| Value  | .0000   | .0000   |         |         |         |         |         |
| Range  | 60.00   | 10.00   |         |         |         |         |         |

| Elem  | 19602    | Sn1899   | Ti3349   | Bi2230   |
|-------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter |

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|        |          |          |         |         |         |         |         |
|--------|----------|----------|---------|---------|---------|---------|---------|
| Avge   | -1.653   | -2.303   | 1.897   | .3556   |         |         |         |
| SDev   | 1.799    | 1.563    | 3.847   | 1.071   |         |         |         |
| %RSD   | 108.8    | 67.86    | 202.8   | 301.2   |         |         |         |
| #1     | -2.926   | -3.409   | 4.618   | 1.113   |         |         |         |
| #2     | -.3814   | -1.198   | -.8232  | -.4018  |         |         |         |
| Errors | NOCHECK  | NOCHECK  | NOCHECK | NOCHECK |         |         |         |
| Value  |          |          |         |         |         |         |         |
| Range  |          |          |         |         |         |         |         |
| IntStd | 1        | 2        | 3       | 4       | 5       | 6       | 7       |
| Mode   | Counts   | Time     | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem   | Y        | --       | --      | --      | --      | --      | --      |
| Wavlen | 371.030  | --       | --      | --      | --      | --      | --      |
| Avge   | 884      | 1000     | --      | --      | --      | --      | --      |
| SDev   | 2.168579 | .0000000 | --      | --      | --      | --      | --      |
| %RSD   | .2453391 | .0000000 | --      | --      | --      | --      | --      |
| #1     | 882      | 1000     | --      | --      | --      | --      | --      |
| #2     | 885      | 1000     | --      | --      | --      | --      | --      |

AR319008

## Analysis Report

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Method: CLPSUE Sample Name: PDS783743

Operator:

Run Time: 03/09/96 18:47:30

Comment:

Mode: CONC Corr. Factor: 1

| Elem  | Ag3280   | Al3082   | Ba4934   | Be3130   | Ca3179   | Cd2265   | Co2286   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | 11.62    | 33720.   | 56.55    | 10.84    | 1703.    | 8.717    | 108.5    |
| SEDev | .37      | 32.      | .07      | .01      | 3.       | .014     | .1       |
| %RSD  | 3.199    | .0951    | .1171    | .0492    | .1785    | .1590    | .0615    |

|    |       |        |       |       |       |       |       |
|----|-------|--------|-------|-------|-------|-------|-------|
| #1 | 11.88 | 33740. | 56.60 | 10.84 | 1701. | 8.707 | 108.5 |
| #2 | 11.36 | 33700. | 56.50 | 10.85 | 1705. | 8.726 | 108.6 |

| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
|--------|---------|---------|---------|---------|---------|---------|---------|
| High   | 2500.   | 600000. | 25000.  | 25000.  | 600000. | 25000.  | 25000.  |
| Low    | -10.00  | -200.0  | -200.0  | -5.000  | -5000.  | -5.000  | -50.00  |

| Elem  | Cr2677   | Cu3247   | Fe2714   | K_7664   | Mg2790   | Mn2576   | Mo2020   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | 97.42    | 60.84    | 29080.   | 333.9    | 467.1    | 120.6    | 1.730    |
| SEDev | .00      | .12      | 18.      | 4.2      | 1.7      | .3       | .338     |
| %RSD  | .0031    | .1927    | .0632    | 1.247    | .3539    | .2782    | 19.56    |

|    |       |       |        |       |       |       |       |
|----|-------|-------|--------|-------|-------|-------|-------|
| #1 | 97.42 | 60.75 | 29060. | 331.0 | 468.2 | 120.4 | 1.491 |
| #2 | 97.41 | 60.92 | 29090. | 336.8 | 465.9 | 120.9 | 1.969 |

| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
|--------|---------|---------|---------|---------|---------|---------|---------|
| High   | 25000.  | 25000.  | 300000. | 450000. | 600000. | 25000.  | 25000.  |
| Low    | -10.00  | -25.00  | -100.0  | -5000.  | -5000.  | -15.00  | -3.000  |

| Elem  | Na2302   | Ni2316   | Tl1908   | V_2924   | Zn2138   | Pb2203   | Sa1960   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | 2387.    | 91.29    | 18.28    | 219.7    | 45.75    | 32.30    | 10.60    |
| SEDev | 2.       | .10      | 1.76     | .2       | .13      | .03      | .13      |
| %RSD  | .1365    | .1101    | 9.619    | .0710    | .3991    | .0869    | 1.224    |

|    |       |       |       |       |       |       |       |
|----|-------|-------|-------|-------|-------|-------|-------|
| #1 | 2390. | 91.22 | 17.04 | 219.6 | 45.88 | 32.32 | 10.51 |
| #2 | 2385. | 91.36 | 19.52 | 219.9 | 45.62 | 32.28 | 10.69 |

| Errors | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass | LC Pass |
|--------|---------|---------|---------|---------|---------|---------|---------|
| High   | 600000. | 25000.  | 25000.  | 25000.  | 25000.  | 25000.  | 25000.  |
| Low    | -5000.  | -40.00  | -10.00  | -50.00  | -20.00  | -3.000  | -5.000  |

| Elem  | Sb2068   | As1890   | 22031    | 22032    | 20681    | 20682    | 19601    |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | 125.0    | 25.73    | 47.67    | 24.61    | 122.3    | 126.3    | 4.324    |
| SEDev | 1.4      | .26      | .16      | .12      | 2.5      | .9       | 5.176    |
| %RSD  | 1.130    | 1.002    | .3334    | .4982    | 2.007    | .7057    | 119.7    |

|    |       |       |       |       |       |       |       |
|----|-------|-------|-------|-------|-------|-------|-------|
| #1 | 126.0 | 25.54 | 47.55 | 24.69 | 124.1 | 126.9 | .6644 |
| #2 | 124.0 | 25.91 | 47.78 | 24.52 | 120.6 | 125.6 | 7.984 |

| Errors | LC Pass | LC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
|--------|---------|---------|---------|---------|---------|---------|---------|
| High   | 10000.  | 25000.  |         |         |         |         |         |
| Low    | -60.00  | -10.00  |         |         |         |         |         |

| Elem  | 19602    | Sn1899   | Ti3349   | Bi2230   |
|-------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter |

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|        |         |         |         |         |
|--------|---------|---------|---------|---------|
| Avge   | 13.72   | 7.989   | 147.9   | 2.965   |
| SDev   | 2.39    | .557    | .8      | 1.377   |
| %RSD   | 17.42   | 6.974   | .5425   | 46.44   |
| #1     | 15.40   | 8.383   | 148.5   | 3.939   |
| #2     | 12.03   | 7.595   | 147.4   | 1.991   |
| Errors | NOCHECK | LC Pass | LC Pass | LC Pass |
| High   |         | 10000.  | 10000.  | 10000.  |
| Low    |         | -20.00  | -30.00  | -10.00  |

| IntStd | 1        | 2         | 3       | 4       | 5       | 6       | 7       |
|--------|----------|-----------|---------|---------|---------|---------|---------|
| Mode   | Counts   | Time      | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem   | Y        | --        | --      | --      | --      | --      | --      |
| Wavlen | 371.030  | --        | --      | --      | --      | --      | --      |
| Avge   | 885      | 1000      | --      | --      | --      | --      | --      |
| SDev   | 1.131397 | .00000000 | --      | --      | --      | --      | --      |
| %RSD   | .1278254 | .00000000 | --      | --      | --      | --      | --      |
| #1     | 634      | 1000      | --      | --      | --      | --      | --      |
| #2     | 366      | 1000      | --      | --      | --      | --      | --      |

AR319010

Analysis Report

QC Standard

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Method: CLPSUE

Sample Name: ICSA

Operator:

Run Time: 03/09/96 18:52:53

Comment: ICSA ICSA

Mode: CONC Corr. Factor: 1

| Elem  | Ag3280   | Al3082   | Ba4934   | Ba3130   | Ca3179   | Cd2265   | Co2286   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | .0928    | 553800.  | 2.056    | .6051    | 536600.  | -5.065   | -1.771   |
| SDev  | .0727    | 1355.    | .017     | .0771    | 1191.    | .005     | .495     |
| %RSD  | 78.40    | .2447    | .8443    | 12.74    | .2219    | .1066    | 27.95    |

|    |       |         |       |       |         |        |        |
|----|-------|---------|-------|-------|---------|--------|--------|
| #1 | .1442 | 552900. | 2.068 | .6596 | 535700. | -5.062 | -2.121 |
| #2 | .0413 | 554800. | 2.044 | .5506 | 537400. | -5.069 | -1.421 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | NOCHECK | QC Pass | NOCHECK | NOCHECK | QC Pass | NOCHECK | NOCHECK |
| Value  |         | 524200. |         |         | 547900. |         |         |
| Range  |         | 50.00   |         |         | 50.00   |         |         |

| Elem  | Cr2677   | Cu3247   | Fe2714   | K_7664   | Mg2790   | Mn2576   | Mo2020   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | 29.58    | 5.036    | 206300.  | 34.50    | 545800.  | -17.97   | -2.323   |
| SDev  | .49      | .146     | 175.     | 18.46    | 2886.    | .15      | .427     |
| %RSD  | 1.667    | 2.906    | .0848    | 44.81    | .4385    | .3269    | 18.39    |

|    |       |       |         |       |         |        |        |
|----|-------|-------|---------|-------|---------|--------|--------|
| #1 | 29.23 | 4.933 | 206200. | 45.43 | 542900. | -17.86 | -2.625 |
| #2 | 29.23 | 5.140 | 206400. | 23.57 | 547700. | -18.07 | -2.021 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | QC Pass | NOCHECK | QC Pass | NOCHECK | QC Pass | NOCHECK | NOCHECK |
| Value  | 21.00   |         | 190700. |         | 529300. |         |         |
| Range  | 30.00   |         | 50.00   |         | 50.00   |         |         |

| Elem  | Na3302   | Ni2316   | Tl1908   | V_2924   | Zn2138   | Pb2203   | Sa1960   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | 363.5    | 165.4    | -7.728   | -18.14   | -21.65   | 2.038    | -6.382   |
| SDev  | 43.5     | 1.5      | 1.069    | .29      | .04      | .321     | 1.065    |
| %RSD  | 11.82    | .9066    | 13.83    | 1.582    | .1889    | 43.60    | 16.68    |

|    |       |       |        |        |        |       |        |
|----|-------|-------|--------|--------|--------|-------|--------|
| #1 | 363.3 | 164.3 | -8.482 | -18.34 | -21.62 | 1.447 | -7.135 |
| #2 | 357.7 | 166.5 | -6.971 | -17.94 | -21.68 | 2.749 | -5.529 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| Value  |         |         |         |         |         |         |         |
| Range  |         |         |         |         |         |         |         |

| Elem  | Sb2068   | As1890   | 22031    | 22032    | 20681    | 20682    | 19601    |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | 2.367    | -.2878   | 177.0    | -85.25   | -5.238   | 6.149    | -10.87   |
| SDev  | 1.406    | .5370    | 1.3      | .74      | 3.917    | 4.063    | 1.34     |
| %RSD  | 59.42    | 186.6    | .7223    | .8704    | 74.78    | 66.07    | 12.29    |

|    |       |        |       |        |        |       |        |
|----|-------|--------|-------|--------|--------|-------|--------|
| #1 | 3.361 | -.6675 | 176.1 | -85.77 | -8.007 | 9.022 | -11.81 |
| #2 | 1.372 | .0919  | 177.9 | -84.72 | -2.468 | 3.276 | -9.924 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| Value  |         |         |         |         |         |         |         |
| Range  |         |         |         |         |         |         |         |

| Elem  | 19602    | Sn1899   | Ti3349   | Bi2230   |
|-------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter |

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|        |         |         |         |         |
|--------|---------|---------|---------|---------|
| Avge   | -4.158  | -5.373  | -48.29  | 8.158   |
| SDev   | .929    | 2.838   | 3.19    | .855    |
| %RSD   | 22.35   | 52.82   | 6.610   | 10.48   |
| #1     | -4.815  | -7.380  | -46.04  | 8.763   |
| #2     | -3.500  | -3.367  | -50.55  | 7.553   |
| Errors | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| Value  |         |         |         |         |
| Range  |         |         |         |         |

| IntStd | 1        | 2        | 3       | 4       | 5       | 6       | 7       |
|--------|----------|----------|---------|---------|---------|---------|---------|
| Mode   | Counts   | Time     | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem   | Y        | --       | --      | --      | --      | --      | --      |
| Wavlen | 371.030  | --       | --      | --      | --      | --      | --      |
| Avge   | 771      | 1000     | --      | --      | --      | --      | --      |
| SDev   | .6599778 | .0000000 | --      | --      | --      | --      | --      |
| %RSD   | .0856552 | .0000000 | --      | --      | --      | --      | --      |
| #1     | 770      | 1000     | --      | --      | --      | --      | --      |
| #2     | 771      | 1000     | --      | --      | --      | --      | --      |

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Method: CLPSUE Sample Name: ICSAB  
 Run Time: 03/09/96 18:58:16  
 Comment: ICSAB ICSAB  
 Mode: CONC Corr. Factor: 1

Operator:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Ag3280   | Al3082   | Ba4934   | Be3130   | Ca3179   | Cd2265   | Co2286   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avge   | 979.6    | 563300.  | 527.2    | 513.7    | 541200.  | 955.3    | 533.7    |
| SDev   | 1.1      | 495.     | .1       | .1       | 429.     | .2       | .0       |
| %RSD   | .1105    | .0879    | .0252    | .0138    | .0793    | .0223    | .0068    |
| #1     | 978.9    | 563600.  | 527.3    | 513.8    | 541600.  | 955.4    | 533.7    |
| #2     | 980.4    | 562900.  | 527.1    | 513.7    | 540900.  | 955.1    | 533.8    |
| Errors | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  | QC Pass  |
| Value  | 889.0    | 524800.  | 485.0    | 477.0    | 548100.  | 899.0    | 474.0    |
| Range  | 20.00    | 20.00    | 20.00    | 20.00    | 20.00    | 20.00    | 20.00    |
| Elem   | Cr2677   | Cu3247   | Fe2714   | K_7664   | Mg2790   | Mn2576   | Mo2020   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avge   | 518.4    | 546.9    | 208700.  | 22.03    | 553400.  | 474.1    | 1018.    |
| SDev   | .8       | .5       | 47.      | 3.40     | 149.     | .3       | 3.       |
| %RSD   | .1573    | .0910    | .0227    | 15.41    | .0269    | .0644    | .2956    |
| #1     | 517.8    | 546.6    | 208700.  | 24.49    | 553500.  | 473.9    | 1018.    |
| #2     | 519.0    | 547.3    | 208700.  | 19.67    | 553300.  | 474.3    | 1020.    |
| Errors | QC Pass  | QC Pass  | QC Pass  | NOCHECK  | QC Pass  | QC Pass  | NOCHECK  |
| Value  | 468.0    | 507.0    | 191300.  |          | 529900.  | 454.0    |          |
| Range  | 20.00    | 20.00    | 20.00    |          | 20.00    | 20.00    |          |
| Elem   | Na3302   | Ni2316   | Tl1908   | V_2924   | Zn2138   | Pb2203   | Fe1960   |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avge   | 714.3    | 953.3    | .4326    | 300.9    | 1046.    | 5152.    | -1.0483  |
| SDev   | 87.7     | .1       | 2.833    | .6       | 2.       | 3.       | 5.2652   |
| %RSD   | 12.28    | .0053    | 655.0    | .1192    | .1368    | .0501    | 11640.   |
| #1     | 776.3    | 953.2    | -1.571   | 501.4    | 1047.    | 5153.    | -3.768   |
| #2     | 652.2    | 953.3    | 2.436    | 300.5    | 1045.    | 5150.    | 3.078    |
| Errors | NOCHECK  | QC Pass  | NOCHECK  | QC Pass  | QC Pass  | QC Pass  | NOCHECK  |
| Value  |          | 882.0    |          | 465.0    | 941.0    | 4535.    |          |
| Range  |          | 20.00    |          | 20.00    | 20.00    | 20.00    |          |
| Elem   | Sb2068   | As1890   | 22031    | 22032    | 20681    | 20682    | 19601    |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avge   | 12.06    | -.3195   | 5336.    | 5060.    | 5.945    | 15.10    | -7.491   |
| SDev   | 5.14     | .7097    | 10.      | 1.       | 3.906    | 5.76     | 9.287    |
| %RSD   | 42.62    | 86.59    | .1945    | .0259    | 65.71    | 38.13    | 124.0    |
| #1     | 8.427    | -.3177   | 5343.    | 5059.    | 3.183    | 11.03    | -14.00   |
| #2     | 15.70    | -1.321   | 5329.    | 5060.    | 8.707    | 19.17    | -.9243   |
| Errors | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  | NOCHECK  |
| Value  |          |          |          |          |          |          |          |
| Range  |          |          |          |          |          |          |          |
| Elem   | 19602    | Sn1899   | Ti3349   | Bi2230   |          |          |          |
| Units  | ug/liter | ug/liter | ug/liter | ug/liter |          |          |          |

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|      |       |       |       |       |
|------|-------|-------|-------|-------|
| Avge | 3.656 | 1039. | 959.4 | 1118. |
| SDev | 3.257 | 7.    | 4     | 5.    |
| %RSD | 89.09 | .6564 | .0455 | .4416 |

|    |       |       |       |       |
|----|-------|-------|-------|-------|
| #1 | 1.353 | 1044. | 959.1 | 1115. |
| #2 | 5.960 | 1034. | 959.7 | 1121. |

|        |         |         |         |         |
|--------|---------|---------|---------|---------|
| Errors | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| Value  |         |         |         |         |
| Range  |         |         |         |         |

| IntStd | 1        | 2        | 3       | 4       | 5       | 6       | 7       |
|--------|----------|----------|---------|---------|---------|---------|---------|
| Mode   | Counts   | Time     | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem   | Y        | --       | --      | --      | --      | --      | --      |
| Waylen | 371.030  | --       | --      | --      | --      | --      | --      |
| Avge   | 764      | 1000     | --      | --      | --      | --      | --      |
| SDev   | 1.367128 | .0000000 | --      | --      | --      | --      | --      |
| %RSD   | .1788955 | .0000000 | --      | --      | --      | --      | --      |
| #1     | 763      | 1000     | --      | --      | --      | --      | --      |
| #2     | 765      | 1000     | --      | --      | --      | --      | --      |

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## Analysis Report

QC Standard

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Method: CLPSUE

Sample Name: CRI

Operator:

Run Time: 03/09/96 19:03:40

Comment:

Mode: CONC Corr. Factor: 1

| Elem  | Ag3280   | Al3082   | Ba4934   | Be3130   | Ca3179   | Cd2265   | Co2286   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | 12.62    | 275.9    | .2721    | 10.68    | 244.8    | 10.70    | 103.5    |
| SEDev | .47      | 176.6    | .2062    | .17      | 198.6    | .46      | .6       |
| SRSD  | 3.714    | 64.02    | 75.78    | 1.586    | 81.13    | 4.343    | .5513    |

|    |       |       |       |       |       |       |       |
|----|-------|-------|-------|-------|-------|-------|-------|
| #1 | 12.95 | 400.7 | .4179 | 10.80 | 385.2 | 11.03 | 103.9 |
| #2 | 12.29 | 151.0 | .1263 | 10.56 | 104.4 | 10.37 | 103.1 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | QC Pass | NOCHECK | NOCHECK | QC Pass | NOCHECK | NOCHECK | NOCHECK |
| Value  | 20.00   |         |         | 10.00   |         |         |         |
| Range  | 50.00   |         |         | 50.00   |         |         |         |

| Elem  | Cr2677   | Cu3247   | Fe2714   | K_7664   | Mg2790   | Mn2576   | Mo2020   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | 20.87    | 53.86    | 135.3    | 35.18    | 294.2    | 30.82    | 43.66    |
| SEDev | .33      | .55      | 83.2     | 7.39     | 201.6    | .26      | .35      |
| SRSD  | 1.387    | 1.035    | 61.50    | 21.01    | 68.54    | .3579    | .8118    |

|    |       |       |       |       |       |       |       |
|----|-------|-------|-------|-------|-------|-------|-------|
| #1 | 21.10 | 54.25 | 194.1 | 40.41 | 436.8 | 31.01 | 44.11 |
| #2 | 20.63 | 53.47 | 75.46 | 29.95 | 151.6 | 30.64 | 43.60 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | NOCHECK | QC Pass | NOCHECK | NOCHECK | NOCHECK | QC Pass | NOCHECK |
| Value  |         | 50.00   |         |         |         | 30.00   |         |
| Range  |         | 50.00   |         |         |         | 50.00   |         |

| Elem  | Na3302   | Ni2316   | Tl1308   | V_2924   | Zn2138   | Pb2203   | Sr1950   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | 280.0    | 83.27    | 22.86    | 104.3    | 44.65    | 7.878    | 6.821    |
| SEDev | 126.2    | .44      | 2.84     | .4       | .41      | 1.539    | 2.147    |
| SRSD  | 45.06    | .5319    | 12.44    | .3798    | .9251    | 20.17    | 24.34    |

|    |       |       |       |       |       |        |       |
|----|-------|-------|-------|-------|-------|--------|-------|
| #1 | 365.2 | 83.58 | 24.87 | 104.0 | 44.94 | 99.002 | 10.34 |
| #2 | 190.8 | 82.95 | 20.84 | 104.0 | 44.35 | 6.755  | 7.303 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | NOCHECK | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass |
| Value  |         | 50.00   | 50.00   | 50.00   | 50.00   | 50.00   | 10.00   |
| Range  |         | 50.00   | 50.00   | 50.00   | 50.00   | 50.00   | 50.00   |

| Elem  | Sb2068   | As1890   | 22031    | 22032    | 20681    | 20682    | 19601    |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | 124.9    | 20.30    | 8.815    | 7.396    | 122.9    | 125.9    | 11.47    |
| SEDev | 1.2      | 1.21     | 1.092    | 1.837    | 2.8      | .4       | 2.05     |
| SRSD  | .9619    | 5.943    | 12.39    | 24.84    | 2.267    | .3256    | 17.91    |

|    |       |       |       |       |       |       |       |
|----|-------|-------|-------|-------|-------|-------|-------|
| #1 | 125.8 | 19.45 | 9.587 | 8.695 | 124.9 | 126.2 | 12.92 |
| #2 | 124.1 | 21.15 | 8.042 | 6.097 | 120.9 | 125.6 | 10.02 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | QC Pass | QC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| Value  | 120.0   | 20.00   |         |         |         |         |         |
| Range  | 50.00   | 50.00   |         |         |         |         |         |

| Elem  | 19602    | Sn1899   | Ti3349   | Bi2230   |
|-------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter |

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|      |       |       |       |       |
|------|-------|-------|-------|-------|
| Avge | 7.487 | 43.53 | 24.95 | 302.6 |
| SDev | 2.193 | 1.55  | 3.81  | .2    |
| %RSD | 29.29 | 3.571 | 15.25 | .0732 |

|    |       |       |       |       |
|----|-------|-------|-------|-------|
| #1 | 9.037 | 44.63 | 27.64 | 302.4 |
| #2 | 5.936 | 42.43 | 22.26 | 302.8 |

|        |         |         |         |         |
|--------|---------|---------|---------|---------|
| Errors | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| Value  |         |         |         |         |
| Range  |         |         |         |         |

| IntStd | 1        | 2        | 3       | 4       | 5       | 6       | 7       |
|--------|----------|----------|---------|---------|---------|---------|---------|
| Mode   | Counts   | Time     | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem   | Y        | --       | --      | --      | --      | --      | --      |
| Wavlen | 371.030  | --       | --      | --      | --      | --      | --      |
| Avge   | 889      | 1000     | --      | --      | --      | --      | --      |
| SDev   | 1.979977 | .0000000 | --      | --      | --      | --      | --      |
| %RSD   | .2226082 | .0000000 | --      | --      | --      | --      | --      |
| #1     | 888      | 1000     | --      | --      | --      | --      | --      |
| #2     | 891      | 1000     | --      | --      | --      | --      | --      |

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Analysis Report      QC Standard      Sat 03-09-96 07:14:23 PM      page 1

Method: CLPSUE      Sample Name: CCV      Operator:  
 Run Time: 03/09/96 19:09:04  
 Comment:  
 Mode: CONC      Corr. Factor: 1

| Elem  | Ag3280   | Al3082   | Ba4934   | Be3130   | Ca3179   | Cd2265   | Co2286   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | 96.14    | 2036.    | 992.7    | 1016.    | 50330.   | 991.5    | 1017.    |
| SDev  | .39      |          | .3       | 2.       | 120.     | 1.2      | 3.       |
| %RSD  | .4034    | .0140    | .0281    | .2210    | .2393    | .1208    | .2509    |

|    |       |       |       |       |        |       |       |
|----|-------|-------|-------|-------|--------|-------|-------|
| #1 | 95.86 | 2036. | 992.5 | 1014. | 50250. | 990.6 | 1016. |
| #2 | 96.41 | 2036. | 992.9 | 1018. | 50420. | 992.3 | 1019. |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass |
| Value  | 100.0   | 2000.   | 1000.   | 1000.   | 50000.  | 1000.   | 1000.   |
| Range  | 10.50   | 10.50   | 10.50   | 10.50   | 10.50   | 10.50   | 10.50   |

| Elem  | Cr2677   | Cu3247   | Fe2714   | K_7664   | Mg2790   | Mn2576   | Mo2020   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | 995.4    | 986.9    | 2052.    | 48780.   | 50360.   | 1004.    | 1032.    |
| SDev  | 2.5      | .4       | 8.       | 40.      | 34.      | 2.       | 1.       |
| %RSD  | .2464    | .0416    | .3895    | .0823    | .1675    | .1938    | .1227    |

|    |       |       |       |        |        |       |       |
|----|-------|-------|-------|--------|--------|-------|-------|
| #1 | 993.6 | 987.2 | 2046. | 48810. | 50300. | 1002. | 1033. |
| #2 | 997.1 | 986.6 | 2057. | 48760. | 50420. | 1003. | 1031. |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass |
| Value  | 1000.   | 1000.   | 1000.   | 50000.  | 50000.  | 1000.   | 1000.   |
| Range  | 10.50   | 10.50   | 10.50   | 10.50   | 10.50   | 10.50   | 10.50   |

| Elem  | N43302   | Ni2316   | Tl1908   | V_2924   | Zn2133   | Zr2203   | Se1960   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | 49730.   | 992.9    | 1033.    | 1024.    | 1027.    | 1020.    | 1039.    |
| SDev  | 31.      | .4       | 5.       | 2.       |          | 2.       | 2.       |
| %RSD  | .0633    | .0437    | .4298    | .2042    | .0299    | .2390    | .1956    |

|    |        |       |       |       |       |       |       |
|----|--------|-------|-------|-------|-------|-------|-------|
| #1 | 49710. | 992.6 | 1057. | 1022. | 1027. | 1018. | 1041. |
| #2 | 49750. | 993.2 | 1050. | 1025. | 1027. | 1022. | 1038. |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass |
| Value  | 50000.  | 1000.   | 1000.   | 1000.   | 1000.   | 1000.   | 1000.   |
| Range  | 10.50   | 10.50   | 10.50   | 10.50   | 10.50   | 10.50   | 10.50   |

| Elem  | Sb2068   | As1890   | 22031    | 22032    | 20681    | 20682    | 19601    |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avg   | 1036.    | 1042.    | 1019.    | 1020.    | 1026.    | 1041.    | 1037.    |
| SDev  | 2.       | 2.       | 1.       | 3.       | 3.       | 2.       | 4.       |
| %RSD  | .2250    | .2089    | .1142    | .3012    | .2795    | .1981    | .3646    |

|    |       |       |       |       |       |       |       |
|----|-------|-------|-------|-------|-------|-------|-------|
| #1 | 1034. | 1041. | 1018. | 1018. | 1024. | 1039. | 1040. |
| #2 | 1037. | 1044. | 1019. | 1023. | 1028. | 1042. | 1034. |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Errors | QC Pass | QC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| Value  | 1000.   | 1000.   |         |         |         |         |         |
| Range  | 10.50   | 10.50   |         |         |         |         |         |

| Elem  | 19602    | Sn1899   | Ti3349   | Bi2230   |
|-------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter |

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|        |          |          |         |         |         |         |         |
|--------|----------|----------|---------|---------|---------|---------|---------|
| Avge   | 1040.    | 1017.    | 999.4   | 1044.   |         |         |         |
| SDev   | 1.       |          | .9      | 2.      |         |         |         |
| %RSD   | .1115    | .0108    | .0910   | .2230   |         |         |         |
| #1     | 1041.    | 1017.    | 998.8   | 1046.   |         |         |         |
| #2     | 1039.    | 1017.    | 1000.   | 1042.   |         |         |         |
| Errors | NOCHECK  | QC Pass  | QC Pass | QC Pass |         |         |         |
| Value  |          | 1000.    | 1000.   | 1000.   |         |         |         |
| Range  |          | 10.50    | 10.50   | 10.50   |         |         |         |
| IntStd | 1        | 2        | 3       | 4       | 5       | 6       | 7       |
| Mode   | Counts   | Time     | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem   | Y        | --       | --      | --      | --      | --      | --      |
| Wavlen | 371.030  | --       | --      | --      | --      | --      | --      |
| Avge   | 843      | 1000     | --      | --      | --      | --      | --      |
| SDev   | .0942579 | .0000000 | --      | --      | --      | --      | --      |
| %RSD   | .0111851 | .0000000 | --      | --      | --      | --      | --      |
| #1     | 843      | 1000     | --      | --      | --      | --      | --      |
| #2     | 843      | 1000     | --      | --      | --      | --      | --      |

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Method: CLPSUE

Sample Name: CCB

Operator:

Run Time: 03/09/96 19:14:29

Comment:

Mode: CONC Corr. Factor: 1

| Elem  | Ag3280   | Al3082   | Ba4934   | Be3130   | Ca3179   | Cd2265   | Co2286   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avge  | -.2343   | 13.05    | .4433    | .4633    | -31.12   | .3672    | .1342    |
| SDev  | .2748    | 1.49     | .0102    | .0076    | .30      | .0286    | .1826    |
| %RSD  | 117.3    | 11.39    | 2.308    | 1.641    | .9648    | 7.798    | 136.0    |

|    |        |       |       |       |        |       |       |
|----|--------|-------|-------|-------|--------|-------|-------|
| #1 | -.4286 | 12.00 | .4361 | .4580 | -30.91 | .3469 | .0051 |
| #2 | -.0400 | 14.10 | .4506 | .4687 | -31.33 | .3874 | .2633 |

| Errors | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Value  | .0000   | .0000   | .0000   | .0000   | .0000   | .0000   | .0000   |
| Range  | 10.00   | 200.0   | 200.0   | 5.000   | 500.0   | 5.000   | 50.00   |

| Elem  | Cr2677   | Cu3247   | Fe2714   | K_7664   | Mg2790   | Mn2576   | Mo2020   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avge  | .5290    | .2283    | 9.915    | 24.07    | 23.70    | .3134    | .4785    |
| SDev  | .2874    | .0001    | 4.299    | 3.15     | .37      | .0001    | .1647    |
| %RSD  | 54.33    | .0452    | 47.63    | 13.07    | 1.548    | .0144    | 34.43    |

|    |       |       |       |       |       |       |       |
|----|-------|-------|-------|-------|-------|-------|-------|
| #1 | .7322 | .2284 | 5.975 | 26.29 | 23.44 | .3134 | .3620 |
| #2 | .3258 | .2282 | 12.05 | 21.84 | 23.36 | .3133 | .5950 |

| Errors | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | NOCHECK |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Value  | .0000   | .0000   | .0000   | .0000   | .0000   | .0000   |         |
| Range  | 10.00   | 25.00   | 100.0   | 5000.   | 5000.   | 15.00   |         |

| Elem  | Na3302   | Ni2316   | Tl1308   | V_2924   | Zn2138   | Pb2203   | Sa1960   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avge  | 252.3    | .1488    | 1.566    | .4990    | -3.980   | -.3159   | .1928    |
| SDev  | 58.6     | .0443    | 1.662    | .2685    | .149     | .6552    | 1.133    |
| %RSD  | 23.22    | 29.75    | 106.1    | 53.80    | 3.733    | 273.9    | 567.7    |

|    |       |       |       |       |        |        |        |
|----|-------|-------|-------|-------|--------|--------|--------|
| #1 | 233.7 | .1175 | .3910 | .3092 | -3.374 | .2959  | .3942  |
| #2 | 210.9 | .1801 | 2.741 | .6888 | -4.085 | -.3277 | -.6036 |

| Errors | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass | QC Pass |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Value  | .0000   | .0000   | .0000   | .0000   | .0000   | .0000   | .0000   |
| Range  | 5000.   | 40.00   | 10.00   | 50.00   | 20.00   | 3.000   | 5.000   |

| Elem  | Sb2068   | As1890   | 22031    | 22032    | 20681    | 20682    | 19601    |
|-------|----------|----------|----------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter | ug/liter |
| Avge  | .8554    | .3455    | .4573    | -.7156   | 1.011    | .7642    | 2.480    |
| SDev  | .3093    | 1.616    | 1.488    | .5540    | .143     | .5350    | .514     |
| %RSD  | 36.15    | 467.8    | 325.5    | 77.42    | 14.12    | 70.00    | 20.73    |

|    |       |        |        |        |       |       |       |
|----|-------|--------|--------|--------|-------|-------|-------|
| #1 | 1.074 | 1.488  | 1.510  | -.3238 | .9098 | 1.142 | 2.844 |
| #2 | .6367 | -.7973 | -.5953 | -1.107 | 1.112 | .3859 | 2.117 |

| Errors | QC Pass | QC Pass | NOCHECK | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Value  | .0000   | .0000   |         |         |         |         |         |
| Range  | 60.00   | 10.00   |         |         |         |         |         |

| Elem  | 19602    | Sn1899   | Ti3349   | Bi2230   |
|-------|----------|----------|----------|----------|
| Units | ug/liter | ug/liter | ug/liter | ug/liter |

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|      |        |        |       |       |
|------|--------|--------|-------|-------|
| Avge | -.9628 | -1.790 | 3.709 | 1.301 |
| SDev | 1.4426 | .859   | 1.301 | 1.185 |
| %RSD | 149.8  | 47.98  | 35.08 | 91.05 |

|    |        |        |       |       |
|----|--------|--------|-------|-------|
| #1 | .0572  | -1.182 | 4.629 | .4635 |
| #2 | -1.983 | -2.397 | 2.789 | 2.139 |

|        |         |         |         |         |
|--------|---------|---------|---------|---------|
| Errors | NOCHECK | NOCHECK | NOCHECK | NOCHECK |
| Value  |         |         |         |         |
| Range  |         |         |         |         |

| IntStd | 1        | 2        | 3       | 4       | 5       | 6       | 7       |
|--------|----------|----------|---------|---------|---------|---------|---------|
| Mode   | Counts   | Time     | NOTUSED | NOTUSED | NOTUSED | NOTUSED | NOTUSED |
| Elem   | Y        | --       | --      | --      | --      | --      | --      |
| Wavlen | 371.030  | --       | --      | --      | --      | --      | --      |
| Avge   | 876      | 1000     | --      | --      | --      | --      | --      |
| SDev   | .1885589 | .0000000 | --      | --      | --      | --      | --      |
| %RSD   | .0215157 | .0000000 | --      | --      | --      | --      | --      |
| #1     | 877      | 1000     | --      | --      | --      | --      | --      |
| #2     | 876      | 1000     | --      | --      | --      | --      | --      |

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