```
    DK\KD\T\T\CD
CD
ID=          :          99331 1/5 SER. DILN
VI,WI=9.0000 : 1.0
VF,WF=10.0000 : 5.0
UF=1.0000 :
UNITS=MG/L : MG/L
ALL ENTRIES OK? Y/N : Y
SAT>EAANTYANTYDF+TADF-
EA
AN
TY

BURN # 1          WHR1     10-NOV-87 15:30:13
  LV
7132.5
  AG       AL       AS       B        BA       BE       BI       CA       CD       CO
.00075   .78813   .01851   .01292   .03032   .00036   .00101   3.7991   .00072   .00106
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
.00352   .16675   1.4211   .63015   .00190   .90314   .96007   .04983   .00151   1.1614
  NI       P        PB       SB       SC       SE       SI       SN       SR       TI
.00523   .53311   .09972   .00869   .01893   -.0034   2.0267   .00070   .01462   .02815
  TL       V        ZN       N1       HG
-.0215   .00270   .07051   1.4288   19.992
AN
TY

BURN # 2          WHR1     10-NOV-87 15:30:53
  LV
7133.5
  AG       AL       AS       B        BA       BE       BI       CA       CD       CO
.00047   .78633   .00772   .01140   .03119   -.0000   -.0004   3.7998   .00029   .00127
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
.00331   .16715   1.4237   .56858   .00221   .92996   .96008   .04982   .00586   1.1528
  NI       P        PB       SB       SC       SE       SI       SN       SR       TI
.00419   .51151   .08838   .00183   .01864   .00039   2.0244   -.0030   .01462   .03095
  TL       V        ZN       N1       HG
.00211   .00232   .07026   1.4215   19.992
DF
TA

AVERAGE           N=2      WHR1     10-NOV-87 15:31:10
          VI,WI=1.0000     VF,WF=5.0000     UF=1.0000          DF=5.0000          MG/L
  LV
7133.0
  AG       AL       AS       B        BA       BE       BI       CA       CD       CO
.00306   3.9361   .06557   .06082   .15376   .00082   .00161   18.997   .00252   .00582
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
.01707   .83475   7.1120   2.9968   .01028   4.5828   4.8004   .24912   .01842   5.7855
  NI       P        PB       SB       SC       SE       SI       SN       SR       TI
.02354   2.6115   .47025   .02630   .09393   -.0075   10.128   -.0057   .07312   .14776
  TL       V        ZN       N1       HG
-.0484   .01253   .35194   7.1257   99.958
DF
SAT>
```

04A-009

```
    DK
DK
ENTER SAMPLE NAME>99332
ENTER CLASS NAME>1.0
ENTER SAMPLE CODE>A
ENTER SAMPLE DIGIT>
SAT>PC
PC
EA
AN
TY
```

04B-009

```
BURN # 1          WHR1     10-NOV-87 15:32:02
  LV
7134.5
  AG       AL       AS       B        BA       BE       BI       CA       CD       CO
.00176   2.4108   .03482   .03621   .09747   .00012   .00053   11.650   .00201   .00296
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
.01973   .19167   4.5388   1.6527   .00859   2.7625   2.7641   .15047   .00977   5.3036
  NI       P        PB       SB       SC       SE       SI       SN       SR       TI
.00732   2.4990   .45366   .00801   .01962   .00725   6.6391   .01718   .04951   .10126
  TL       V        ZN       N1       HG
.00384   .00576   .22744   4.4646   19.992
AN
TY

BURN # 2          WHR1     10-NOV-87 15:32:42
  LV
7134.5
  AG       AL       AS       B        BA       BE       BI       CA       CD       CO
.00231   2.4397   .03493   .03619   .10008   .00012   -.0006   11.658   .00238   .00211
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
.01802   .19378   4.5483   1.5641   .00701   2.9512   2.7738   .15125   .00934   5.3750
  NI       P        PB       SB       SC       SE       SI       SN       SR       TI
.01046   2.5461   .47176   .01319   .01934   -.0221   6.6940   .00465   .04991   .09846
  TL       V        ZN       N1       HG
.00871   .00575   .23042   4.4733   19.992
TA

AVERAGE           N=2      WHR1     10-NOV-87 15:32:59
  LV
7134.5
  AG       AL       AS       B        BA       BE       BI       CA       CD       CO
.00204   2.4252   .03488   .03620   .09878   .00012   -.0000   11.654   .00219   .00254
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
.01887   .19272   4.5435   1.6084   .00780   2.8569   2.7690   .15086   .00955   5.3393
  NI       P        PB       SB       SC       SE       SI       SN       SR       TI
.00889   2.5225   .46271   .01060   .01948   -.0074   6.6666   .01091   .04971   .09986
  TL       V        ZN       N1       HG
.00627   .00575   .22893   4.4690   19.992
LA

SAT>
```

```
    DK
DK
ENTER SAMPLE NAME>99333
ENTER CLASS NAME>1.0
ENTER SAMPLE CODE>A
ENTER SAMPLE DIGIT>
SAT>PC
PC
EA
AN
TY

BURN # 1          WHR1     10-NOV-87 15:34:01
  LV
7134.0
  AG       AL       AS       B        BA       BE       BI       CA       CD       CO
.00248   2.2327   .03646   .03506   .09050   .00051   -.0000   10.836   .00145   .00296
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
.01738   .17729   4.2217   1.5332   .00738   2.6010   2.5945   .13907   .01365   5.3446
  NI       P        PB       SB       SC       SE       SI       SN       SR       TI
.01779   2.4550   .43837   .02652   .01948   .00295   6.1354   -.0014   .04660   .09003
  TL       V        ZN       N1       HG
.00652   .00582   .21800   4.1903   19.992
AN
TY

BURN # 2          WHR1     10-NOV-87 15:34:41
  LV
7134.0
  AG       AL       AS       B        BA       BE       BI       CA       CD       CO
.00193   2.2346   .03805   .03360   .09224   .00052   .00270   10.800   .00143   .00317
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
.01824   .17814   4.2054   1.4541   .00643   2.5471   2.5917   .13907   .00973   5.3824
  NI       P        PB       SB       SC       SE       SI       SN       SR       TI
.01884   2.5314   .46260   .01347   .01920   -.0140   6.1212   .01428   .04660   .09003
  TL       V        ZN       N1       HG
.00655   .00546   .21667   4.1448   39.983
TA

AVERAGE           N=2      WHR1     10-NOV-87 15:34:58
  LV
7134.0
  AG       AL       AS       B        BA       BE       BI       CA       CD       CO
.00221   2.2337   .03725   .03433   .09137   .00052   .00133   10.818   .00144   .00307
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
.01781   .17772   4.2135   1.4937   .00690   2.5741   2.5931   .13907   .01169   5.3635
  NI       P        PB       SB       SC       SE       SI       SN       SR       TI
.01831   2.4932   .45049   .02000   .01934   -.0055   6.1283   .00643   .04660   .09003
  TL       V        ZN       N1       HG
.00653   .00564   .21734   4.1676   29.987
LA

SAT>
```

04C-009K

```
    DK
DK
ENTER SAMPLE NAME>99333
ENTER CLASS NAME>1.0
ENTER SAMPLE CODE>B
ENTER SAMPLE DIGIT>
SAT>PC
PC
EA
AN
TY
```

04C-009K (Dup.)

```
BURN # 1          WHR1     10-NOV-87 15:36:01
  LV
7136.0
  AG        AL        AS        B         BA        BE        BI        CA        CD        CO
.00247    2.1514    .02369    .03589    .09221   -.0001    .00147    10.637    .00176    .00296
  CR        CU        FE        K         LI        MX        MG        MN        MO        NA
.01247    .19374    4.1865    1.4352    .00526    2.5464    2.5400    .13877    .01364    5.2072
  NI        P         PB        SB        SC        SE        SI        SN        SR        TI
.01256    2.4327    .46993    .00212    .01934    .03407    5.9221    .01210    .04596    .09000
  TL        V         ZN        N1        HG
.00626    .00581    .22278    4.1337    19.992
AN
TY

BURN # 2          WHR1     10-NOV-87 15:36:41
  LV
7134.0
  AG        AL        AS        B         BA        BE        BI        CA        CD        CO
.00165    2.1427    .03586    .03209    .09224    .00053   -.0040    10.616    .00164    .00169
  CR        CU        FE        K         LI        MX        MG        MN        MO        NA
.01269    .19337    4.1891    1.4668    .00697    2.4662    2.5378    .13881    .00885    5.2101
  NI        P         PB        SB        SC        SE        SI        SN        SR        TI
.01360    2.4231    .44274    .03392    .01934    .00361    5.9239    .00809    .04597    .08816
  TL        V         ZN        N1        HG
.00158    .00472    .22188    4.1275    19.992
TA

AVERAGE           N=2      WHR1     10-NOV-87 15:36:58
  LV
7135.0
  AG        AL        AS        B         BA        BE        BI        CA        CD        CO
.00206    2.1471    .02978    .03399    .09223    .00023   -.0013    10.626    .00170    .00233
  CR        CU        FE        K         LI        MX        MG        MN        MO        NA
.01258    .19356    4.1878    1.4510    .00611    2.5063    2.5389    .13879    .01125    5.2087
  NI        P         PB        SB        SC        SE        SI        SN        SR        TI
.01308    2.4279    .45634    .01802    .01934    .01884    5.9230    .01009    .04597    .08908
  TL        V         ZN        N1        HG
.00392    .00526    .22233    4.1306    19.992
LA

SAT>
```

```
    DK
DK
ENTER SAMPLE NAME>99334
ENTER CLASS NAME>1.0
ENTER SAMPLE CODE>A
ENTER SAMPLE DIGIT>
SAT>PC
PC
EA
AN
TY
```

02B-002M

```
BURN # 1          WHR1     10-NOV-87 15:38:01
  LV
7134.5
  AG       AL       AS       B        BA       BF       BI       CA       CD       CO
.00028   .10124   -.0027   .01257   .00371   .00018   -.0038   .73614   .00039   .00063
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
.00501   .00508   .06627   .03231   .00028   .30994   .18207   .00208   .00262   4.7014
  NI       P        PB       SB       SC       SE       SI       SN       SR       TI
.00837   2.0392   -.0062   .01087   .01801   .01513   1.1803   -.0009   .00640   .00002
  TL       V        ZN       N1       HG
.02402   .00111   .00872   .03714   .00140
AN
TY

BURN # 2          WHR1     10-NOV-87 15:38:41
  LV
7134.5
  AG       AL       AS       B        BA       BE       BI       CA       CD       CO
-.0003   .09658   -.0013   .00955   .00545   .00019   -.0025   .73183   -.0002   .00000
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
.00331   .00465   .06830   -.0342   .00049   .12128   .18179   .00208   .00218   4.7350
  NI       P        PB       SB       SC       SE       SI       SN       SR       TI
.00942   1.9874   .00618   -.0073   .01787   -.0083   1.1803   -.0049   .00645   .00189
  TL       V        ZN       N1       HG
.00869   .00037   .00824   .00682   19.992
TA

AVERAGE           N=2      WHR1     10-NOV-87 15:38:58
  LV
7134.5
  AG       AL       AS       B        BA       BE       BI       CA       CD       CO
.00001   .09891   -.0020   .01106   .00458   .00019   -.0032   .73399   .00011   .00032
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
.00416   .00487   .06729   -.0009   .00038   .21561   .18193   .00208   .00240   4.7182
  NI       P        PB       SB       SC       SE       SI       SN       SR       TI
.00889   2.0133   .00001   .00179   .01794   .00340   1.1803   -.0029   .00642   .00096
  TL       V        ZN       N1       HG
.01636   .00074   .00848   .02198   9.9965
LA

SAT>
```

Cont. Blk.

```
    DK
DK
ENTER SAMPLE NAME>BLC
ENTER CLASS NAME>1.0
ENTER SAMPLE CODE>BLC
ENTER SAMPLE DIGIT>
SAT>PC
PC
EA
AN
TY

BURN # 1          WHR1     10-NOV-87 15:40:01
  LV
7135.5
  AG       AL       AS       B        BA       BE       BI       CA       CD       CO
.00056   .01068   .01356   .00183   -.0007   .00018   -.0016   .00391   -.0005   .00106
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
-.0005   -.0000   -.0003   .22717   .00031   .09431   -.0000   -.0000   .00044   .00558
  NI       P        PB       SB       SC       SE       SI       SN       SR       TI
-.0042   .00434   -.0028   .03917   .01850   .00542   .01928   .00176   -.0000   -.0019
  TL       V        ZN       N1       HG
.03411   .00110   -.0025   .05595   .00420
AN
TY

BURN # 2          WHR1     10-NOV-87 15:40:41
  LV
7135.0
  AG       AL       AS       B        BA       BE       BI       CA       CD       CO
.00056   .00685   -.0017   .00033   -.0002   .00057   -.0034   .00196   -.0005   -.0004
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
-.0012   -.0008   .00102   .13924   -.0008   -.0943   -.0017   .00039   -.0022   .00420
  NI       P        PB       SB       SC       SE       SI       SN       SR       TI
.00523   -.0047   .01364   .00064   .01836   -.0226   .01525   -.0017   .00000   -.0019
  TL       V        ZN       N1       HG
-.0187   .00111   -.0033   .03897   19.992
TA

AVERAGE           N=2      WHR1     10-NOV-87 15:40:58
  LV
7135.2
  AG       AL       AS       B        BA       BE       BI       CA       CD       CO
.00056   .00876   .00595   .00108   -.0004   .00038   -.0025   .00294   -.0005   .00032
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
-.0009   -.0004   .00034   .18320   -.0003   -.0000   -.0009   .00019   -.0009   .00489
  NI       P        PB       SB       SC       SE       SI       SN       SR       TI
.00052   -.0002   .00541   .01990   .01843   -.0086   .01726   .00001   -.0000   -.0019
  TL       V        ZN       N1       HG
.00773   .00110   -.0029   .04746   9.9979
LA

SAT>
```

Cont. Std.

```
    DK
DK
ENTER SAMPLE NAME>STD2
ENTER CLASS NAME>1.0
ENTER SAMPLE CODE>CV1
ENTER SAMPLE DIGIT>
SAT>PC
PC
EA
AN
TY

BURN # 1          WHR1     10-NOV-87 15:42:01
  LV
7135.0
  AG       AL       AS       B        BA       BE       BI       CA       CD       CO
-.0004   10.136   10.115   10.084   .00153   -.0000   5.0754   10.063   .00720   .00148
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
.00309   .00169   10.091   50.369   .00256   10.281   10.248   .00195   -.0051   10.136
  NI       P        PB       SB       SC       SE       SI       SN       SR       TI
10.190   50.523   10.021   -.0285   .01871   -.0492   .03557   -.0116   .00034   -.0034
  TL       V        ZN       N1       HG
.00164   .00124   -.0016   10.013   19.992
AN
TY

BURN # 2          WHR1     10-NOV-87 15:42:41
  LV
7135.5
  AG       AL       AS       B        BA       BE       BI       CA       CD       CO
.00314   10.138   10.126   10.105   .00240   -.0000   5.0710   10.071   .00653   .00042
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
.00245   .00169   10.105   50.700   .00192   10.523   10.245   .00182   -.0038   10.144
  NI       P        PB       SB       SC       SE       SI       SN       SR       TI
10.124   50.686   9.9686   .01302   .01871   -.0591   .03350   -.0183   .00040   -.0016
  TL       V        ZN       N1       HG
.02354   .00198   -.0007   10.022   .00420
TA

AVERAGE           N=2      WHR1     10-NOV-87 15:42:58
  LV
7135.2
  AG       AL       AS       B        BA       BE       BI       CA       CD       CO
.00137   10.137   10.120   10.094   .00196   -.0000   5.0732   10.067   .00687   .00095
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
.00277   .00169   10.098   50.534   .00224   10.402   10.247   .00188   -.0045   10.140
  NI       P        PB       SB       SC       SE       SI       SN       SR       TI
10.157   50.605   9.9949   -.0077   .01871   -.0542   .03454   -.0149   .00037   -.0025
  TL       V        ZN       N1       HG
.01259   .00161   -.0012   10.017   9.9979
LA

SAT>
```

```
    DK
DK
ENTER SAMPLE NAME>STD3
ENTER CLASS NAME>1.0
ENTER SAMPLE CODE>CV2
ENTER SAMPLE DIGIT>
SAT>PC
PC
EA
AN
TY
```

Cont. std.

```
BURN # 1          WHR1     10-NOV-87 15:44:02
  LV
7136.0
  AG       AL       AS       B        BA       BF       BI       CA       CD       CO
1.0161   .00915   .00979   .02706   .98036   1.0043   .01135   .01443   1.0266   1.0153
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
1.0133   1.0034   .00557   .16004   1.0037   .14819   .00690   1.0134   -.0004   .01537
  NI       P        PB       SB       SC       SE       SI       SN       SR       TI
.00419   -.0187   .02885   -.0221   .01857   .00086   .05227   .01846   1.0019   -.0009
  TL       V        ZN       N1       HG
.02336   1.0131   1.0195   .06211   .00560
AN
TY

BURN # 2          WHR1     10-NOV-87 15:44:41
  LV
7135.0
  AG       AL       AS       B        BA       BF       BI       CA       CD       CO
1.0163   .00897   -.0073   .01638   .97875   1.0064   .00383   .01212   1.0247   1.0119
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
1.0107   1.0061   .00488   .18038   1.0055   .09432   .00575   1.0128   .00305   .00980
  NI       P        PB       SB       SC       SE       SI       SN       SR       TI
.00628   -.0277   .00619   .01718   .01836   -.0190   .05642   -.0039   1.0007   -.0028
  TL       V        ZN       N1       HG
.01990   1.0118   1.0208   .04546   <-10.0
TA

AVERAGE           N=2      WHR1     10-NOV-87 15:44:58
  LV
7135.5
  AG       AL       AS       B        BA       BF       BI       CA       CD       CO
1.0162   .00906   .00122   .02172   .97955   1.0054   .00759   .01327   1.0257   1.0136
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
1.0120   1.0047   .00522   .17021   1.0046   .12126   .00632   1.0131   .00131   .01259
  NI       P        PB       SB       SC       SE       SI       SN       SR       TI
.00523   -.0232   .01752   -.0025   .01846   -.0091   .05435   .00727   1.0013   -.0019
  TL       V        ZN       N1       HG
.02163   1.0124   1.0202   .05379   -9.990
LA

SAT>
```

```
    DK
DK
ENTER SAMPLE NAME>STD4
ENTER CLASS NAME>1.0
ENTER SAMPLE CODE>CV3
ENTER SAMPLE DIGIT>
SAT>PC
PC
EA
AN
TY
```

Cont. Std.

```
BURN # 1          WHR1     10-NOV-87 15:46:02
  LV
7136.5
  AG        AL        AS        B         BA        BE        BI        CA        CD        CO
-.0088    .11257    .02294   -.0018    10.083    .00078   -.0016    .04190    .00049   -.0178
  CR        CU        FE        K         LI        MX        MG        MN        MO        NA
.01695    .00338    .06017    .07710    .00083    .01346    .00345    .00622   10.151    .09376
  NI        P         PB        SB        SC        SE        SI        SN        SR        TI
.01988    .05627    .00615   10.302    .01920   10.072    .14316   10.011    .00023    9.9607
  TL        V         ZN        N1        HG
10.084    .01549   -.0013    .47951   <-10.0
AN
TY

BURN # 2          WHR1     10-NOV-87 15:46:42
  LV
7136.0
  AG        AL        AS        B         BA        BE        BI        CA        CD        CO
-.0101    .11892    .00921   -.0049    10.059    .00038   -.0016    .04388    .00045   -.0186
  CR        CU        FE        K         LI        MX        MG        MN        MO        NA
.01908    .00338    .05950    .18852    .00157    .06736    .00345    .00622   10.184    .09658
  NI        P         PB        SB        SC        SE        SI        SN        SR        TI
.01988    .10967    .02058   10.345    .01962   10.108    .15133   10.036    .00023    9.9240
  TL        V         ZN        N1        HG
10.089    .01586   -.0019    .50801   19.992
TA

AVERAGE           N=2      WHR1     10-NOV-87 15:46:59
  LV
7136.2
  AG        AL        AS        B         BA        BE        BI        CA        CD        CO
-.0094    .11575    .01607   -.0034    10.071    .00058   -.0016    .04289    .00047   -.0182
  CR        CU        FE        K         LI        MX        MG        MN        MO        NA
.01802    .00338    .05983    .13281    .00120    .04041    .00345    .00622   10.168    .09517
  NI        P         PB        SB        SC        SE        SI        SN        SR        TI
.01988    .08297    .01336   10.323    .01941   10.090    .14724   10.024    .00023    9.9423
  TL        V         ZN        N1        HG
10.086    .01567   -.0016    .49376    .00700
LA

SAT>
```

```
    DK
DK
ENTER SAMPLE NAME>ICS
ENTER CLASS NAME>2.0
ENTER SAMPLE CODE>CC
ENTER SAMPLE DIGIT>
SAT>PC
PC
EA
AN
TY
```

(0387) 1/20

```
BURN # 1          WHR1     10-NOV-87 15:48:17
  LV
7136.0
  AG        AL        AS        B         BA        BE        BI        CA        CD        CO
.46124   245.90    -.0219    -.0152    .23086    .22333   -.0018   236.67    .44292    .23047
  CR        CU        FE        K         LI        MX        MG        MN        MO        NA
.24894    .25846   87.511    -.5266    .03358   240.05    147.22    .26405    .00501    .26740
  NI        P         PB        SB        SC        SE        SI        SN        SR        TI
.42058    .65984    2.2704    .05737    .02004   -.0108    .29734    .00115    .06629   -.0022
  TL        V         ZN        N1        HG
.48018    .25024    .45974   98.005    19.992
AN
TY

BURN # 2          WHR1     10-NOV-87 15:48:57
  LV
7135.5
  AG        AL        AS        B         BA        BE        BI        CA        CD        CO
.46478   247.37    -.0355    -.0147    .23001    .22369    .00228   238.55    .44582    .23260
  CR        CU        FE        K         LI        MX        MG        MN        MO        NA
.24682    .25890   87.925    -.4215    .03400   241.14    149.28    .26601   -.0005    .27584
  NI        P         PB        SB        SC        SE        SI        SN        SR        TI
.43630    .72597    2.2885    .07240    .02032   -.0088    .30147    .00146    .06669   -.0013
  TL        V         ZN        N1        HG
.47775    .25382    .46404   98.761    19.992
TA

AVERAGE           N=2      WHR1     10-NOV-87 15:49:14
  LV
7135.7
  AG        AL        AS        B         BA        BE 95     BI        CA        CD 98     CO 97
.46301   246.63    -.0287    -.0150    .23044    .22351    .00022   237.61    .44437    .23153
  CR 96     CU 97     FE        K         LI        MX        MG        MN        MO        NA
.24788    .25868   87.718    -.4741    .03379   240.59    148.25    .26503    .00223    .27162
  NI 93     P         PB 94     SB        SC        SE        SI        SN        SR        TI
.42844    .69290    2.2794    .06489    .02018   -.0098    .29940    .00131    .06649   -.0017
  TL        V 106     ZN 95     N1        HG
.47896    .25203    .46189   98.383    19.992
LA

SAT>LO-
LO
SAT>
```

WEYERHAEUSER TECHNOLOGY CENTER
Analytical Laboratories
Tacoma, Washington

DATA

Material: quartz filters

Analysis For: metals

Service Request 16122

Method 995 3285-M

sample #	99335 - 355 (21 total)							
aliquot	1" X 8" →							
dilu	40 mL →							
matrix	0.31 M HNO_3 + 0.67 M HCL							

	3 RGT blanks							
QC @ 10%	3 filter blanks							
	3 duplicates: 99336, 99346, 99356							
	3 ~~spikes~~ MCS's							

Comments:

ANALYST

WITNESS

DATE 11/13/87

DATE 11-20-87

NB NUMBER

PAGE NUMBER 053

3/80 FORM 600B PRINT SHOP/TACOMA

MCS SPIKE LEVELS

ELEMENT		CONC IN SPIKE SOLN ppm	VOL SPIKE SOLN USED mL	CONC IN DIGESTATE ppm
As	SOLN A	4.0	1 mL	0.100
Se		10.0		0.250
Pb	SOLN B	40.0	1 mL	1.00
Be		2.0		0.050
Cd		2.0		0.050
Cr		4.0		0.100
Co	SOLN C	20.0	1 mL	0.500
Cu		10.0		0.250
Ni		16.0		0.400
V		20.0		0.500
Zn		8.0		0.200

S.R.16122 QUARTZ FILTERS 99335-355

file 161222

```
SAT>IS
IS
STD1 STD2 STD3 STD4 STD5 STD6
SAT>EABIANTYANTY
```

```
EA
BI
AN
TY

BURN # 1          WHR1     15-NOV-87 17:25:54
  LV
7139.5
  AG       AI       AS       B        BA       BE       BI       CA       CD       CO
-1.500   586.00   6.5000   7.0000   1.0000   8.0000   11.000   285.00   -1.000   4.0000
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
.00000   6.0000   1.0000   1432.0   244.50   1.5000   24.500   23.000   .00000   81.000
  NI       P        PB       SB       SC       SE       SI       SN       SR       TI
-2.500   398.50   -6.500   -20.00   122.00   17.500   129.00   14.000   25.000   -2.000
  TL       V        ZN       N1       HG
2.5000   84.000   5.0000   1070.0   -.5000
AN
TY

BURN # 2          WHR1     15-NOV-87 17:26:27
  LV
7139.5
  AG       AI       AS       B        BA       BE       BI       CA       CD       CO
-2.000   590.00   21.000   8.5000   .00000   7.5000   9.0000   284.50   1.0000   .00000
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
5.0000   5.5000   3.0000   1435.0   246.00   3.0000   24.000   23.000   1.0000   80.500
  NI       P        PB       SB       SC       SE       SI       SN       SR       TI
2.5000   403.00   -5.500   6.0000   123.50   -5.000   129.00   -19.50   25.000   -2.000
  TL       V        ZN       N1       HG
3.0000   83.500   6.0000   1074.0   .00000
SAT>NS
NS
ENTER STANDARD NAME>STD1
SAT>
```

EAANTYANTY

EA
AN
TY

BURN # 1 WHR1 15-NOV-87 17:27:49

LV									
7138.5									
AG	AL	AS	B	BA	BE	BI	CA	CB	CO
-8.500	18773.	14756.	6403.5	2.0000	8.0000	10557.	12817.	265.00	1.0000
CR	CU	FE	K	LI	MX	MG	MN	MO	NA
4.5000	6.5000	7202.5	9577.0	261.00	181.00	34287.	32.500	-.5000	3742.0
NI	P	PB	SB	SC	SE	SI	SN	SR	TI
4684.5	15707.	9254.5	-37.00	125.00	1386.5	134.00	-52.50	29.000	-2.500
TL	V	ZN	N1	HG					
-186.5	87.000	165.50	3358.0	.00000					

AN
TY

BURN # 2 WHR1 15-NOV-87 17:28:22

LV									
7140.0									
AG	AL	AS	B	BA	BE	BI	CA	CB	CO
-9.000	18803.	14863.	6430.5	3.5000	8.0000	10582.	12952.	263.00	3.0000
CR	CU	FE	K	LI	MX	MG	MN	MO	NA
7.5000	7.5000	7254.0	9585.0	265.00	187.00	34615.	33.500	-.5000	3738.0
NI	P	PB	SB	SC	SE	SI	SN	SR	TI
4709.5	15766.	9272.0	-28.00	127.00	1411.0	135.00	-75.50	29.000	-2.000
TL	V	ZN	N1	HG					
-181.5	84.000	161.00	3383.0	.00000					

SAT>NS
NS
ENTER STANDARD NAME>STD2
SAT>

EAANTYANTY

EA
AN
TY

BURN # 1 WHR1 15-NOV-87 17:29:49

LV									
7139.0									
AG	AL	AS	B	BA	BE	BI	CA	CD	CO
1808.5	667.00	42.500	32.500	1152.0	2509.0	16.500	299.50	2573.5	2307.5
CR	CU	FE	K	LI	MX	MG	MN	MO	NA
2309.5	1180.0	3.0000	1436.0	5125.0	2.0000	57.000	3863.5	2.0000	84.500
NI	P	PB	SB	SC	SE	SI	SN	SR	TI
1.0000	408.00	40.000	-7.000	123.00	1.0000	131.00	7.5000	8991.5	-.5000
TL	V	ZN	N1	HG					
.50000	1439.5	3811.5	1078.0	.00000					

AN
TY

BURN # 2 WHR1 15-NOV-87 17:30:22

LV									
7139.5									
AG	AL	AS	B	BA	BE	BI	CA	CD	CO
1809.0	661.00	37.000	24.000	1150.5	2507.5	.00000	295.00	2587.0	2301.5
CR	CU	FE	K	LI	MX	MG	MN	MO	NA
2303.0	1178.0	1.0000	1433.0	5119.0	3.5000	44.000	3861.5	.00000	85.000
NI	P	PB	SB	SC	SE	SI	SN	SR	TI
7.5000	400.00	19.500	-8.500	123.50	15.500	131.50	-8.500	8985.0	-2.000
TL	V	ZN	N1	HG					
-5.000	1433.0	3821.5	1077.0	.00000					

SAT>NS
NS
ENTER STANDARD NAME>STD3
SAT>

EAANTYANTY

EA
AN
TY

BURN # 1 WHR1 15-NOV-87 17:31:49

LV									
7139.0									
AG	AL	AS	B	BA	BE	BI	CA	CD	CO
-14.00	801.00	20.500	8.5000	11840.	12.000	-.5000	343.00	4.5000	-41.00
CR	CU	FE	K	LI	MX	MG	MN	MO	NA
42.500	10.000	46.500	1436.0	267.00	3.0000	38.500	53.000	10873.	117.00
NI	P	PB	SB	SC	SE	SI	SN	SR	TI
10.500	421.00	27.000	6181.5	131.00	11090.	163.00	29923.	35.000	5164.5
TL	V	ZN	N1	HG					
4229.5	105.00	14.000	1186.0	.50000					

AN
TY

BURN # 2 WHR1 15-NOV-87 17:32:22

LV									
7139.0									
AG	AL	AS	B	BA	BE	BI	CA	CD	CO
-16.00	801.00	43.500	8.0000	11857.	11.500	-.5000	342.00	3.0000	-44.00
CR	CU	FE	K	LI	MX	MG	MN	MO	NA
43.500	9.5000	44.000	1449.5	258.00	2.0000	38.000	53.000	10908.	117.50
NI	P	PB	SB	SC	SE	SI	SN	SR	TI
9.0000	430.00	7.0000	6235.0	131.00	11191.	163.00	30090.	31.000	5192.0
TL	V	ZN	N1	HG					
4253.0	104.00	12.000	1189.0	.00000					

SAT>NS
NS
ENTER STANDARD NAME>STD4
SAT>

```
    EAANTYANTY



EA
AN
TY

BURN # 1          WHR1     15-NOV-87 17:33:49
  LV
7139.0
  AG       AL       AS       B        BA       BE       BI       CA       CD       CO
-66.00   653.00   48.500   90.500   16.000   8.0000   7.0000   392.00   -2.000   1.0000
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
-5.000   7.5000   69468.   1422.0   274.00   2741.5   ******   52.500   -4.500   18197.
  NI       P        PB       SB       SC       SE       SI       SN       SR       TI
.50000   654.50   58.000   -224.5   132.50   -473.0   12161.   -39.50   32.000   3.5000
  TL       V        ZN       N1       HG
-22.00   125.00   79.000   24196.   .00000
AN
TY

BURN # 2          WHR1     15-NOV-87 17:34:22
  LV
7138.0
  AG       AL       AS       B        BA       BE       BI       CA       CD       CO
-64.00   653.00   24.500   91.000   12.500   9.5000   7.0000   393.50   -3.000   10.000
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
-8.000   6.0000   69371.   1430.0   267.50   2727.5   ******   52.000   -8.000   18121.
  NI       P        PB       SB       SC       SE       SI       SN       SR       TI
3.5000   664.50   55.000   -245.0   133.50   -465.5   12172.   -38.00   31.500   -1.000
  TL       V        ZN       N1       HG
-22.00   124.00   80.500   24173.   .00000
SAT>NS
NS
ENTER STANDARD NAME>STD5
SAT>SS
SS
ENTER VALUE(S)>
LOW Standard value = 0 for LCN:10
LOW Standard value = 0 for LCN:22
HIGH Standard values missing for LCN:36
SAT>WATSCO
WA
TS
CO
SAT>L\L\LO+
LO
FILENAME? >161222
ENTER SAMPLE NAME>
ENTER CLASS NAME>
SAT>
SAT>SC
SC
ENTER COMMAND STRING>EAANTYANTYTALA
SAT>
```

```
    DK
DK
ENTER SAMPLE NAME>BLI
ENTER CLASS NAME>1.0
ENTER SAMPLE CODE>BLI
ENTER SAMPLE DIGIT>
SAT>PC
PC
EA
AN
TY
```

Inst. Cal. Blk.

```
BURN # 1          WHR1     15-NOV-87 17:42:19
  LV
7140.0
  AG       AL       AS       B        BA       BE       BI       CA       CD       CO
-.0015   .00662   -.0186   -.0004   .00084   .00033   -.0062   .00058   .00019   -.0000
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
-.0007   -.0006   .00623   .05461   .00056   -.0686   .01213   .00143   -.0005   .00482
  NI       P        PB       SB       SC       SE       SI       SN       SR       TI
-.0011   -.0091   .00485   .00653   .01737   -.0141   .00619   .00225   -.0000   -.0010
  TL       V        ZN       N1       HG
-.0207   -.0020   -.0007   .00833   5.0000
AN
TY

BURN # 2          WHR1     15-NOV-87 17:42:59
  LV
7139.0
  AG       AL       AS       B        BA       BE       BI       CA       CD       CO
-.0007   .00195   -.0077   .00114   .00084   .00051   -.0062   .00141   .00047   .00065
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
-.0002   .00021   .00623   .11415   -.0005   .01373   .01053   .00104   -.0005   .00624
  NI       P        PB       SB       SC       SE       SI       SN       SR       TI
.00426   -.0057   -.0043   -.0112   .01730   -.0167   .00419   .00025   .00000   -.0000
  TL       V        ZN       N1       HG
-.0122   -.0002   -.0005   .01979   14.992
TA

AVERAGE           N=2      WHR1     15-NOV-87 17:43:16
  LV
7139.5
  AG       AL       AS       B        BA       BE       BI       CA       CD       CO
-.0011   .00428   -.0131   .00037   .00084   .00042   -.0062   .00099   .00033   .00033
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
-.0004   -.0002   .00623   .08438   .00005   -.0274   .01133   .00124   -.0005   .00553
  NI       P        PB       SB       SC       SE       SI       SN       SR       TI
.00160   -.0074   .00027   -.0023   .01733   -.0154   .00519   .00125   .00000   -.0005
  TL       V        ZN       N1       HG
-.0164   -.0011   -.0006   .01406   9.9958
LA

SAT>
```

```
    DK
DK
ENTER SAMPLE NAME>ICV1
ENTER CLASS NAME>1
ENTER SAMPLE CODE>II1
ENTER SAMPLE DIGIT>
SAT>PC
PC
EA
AN
TY
```

Ver. Std.

```
BURN # 1          WHR1     15-NOV-87 17:44:16
  LV
7136.5
  AG       AL       AS       B        BA       BE       BI       CA       CD       CO
.47907   2.0623   -.0102   .10595   1.8988   .47879   -.0058   49.192   .48144   .47641
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
.49439   .51650   1.9234   49.492   .01097   24.506   23.673   .49596   -.0011   50.006
  NI       P        PB       SB       SC       SE       SI       SN       SR       TI
.47708   .14022   4.2823   -.0134   .01752   .04228   1.0589   .00117   .01429   -.0014
  TL       V        ZN       N1       HG
-.0299   .50940   2.9304   2.0858   5.0000
AN
TY

BURN # 2          WHR1     15-NOV-87 17:44:56
  LV
7137.5
  AG       AL       AS       B        BA       BE       BI       CA       CD       CO
.47928   2.0603   -.0031   .10749   1.8986   .47850   -.0040   49.267   .48693   .47634
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
.49388   .51515   1.9217   49.376   .01054   24.667   23.734   .49550   -.0020   50.004
  NI       P        PB       SB       SC       SE       SI       SN       SR       TI
.47808   .13347   4.2516   -.0087   .01765   .03379   1.0566   -.0065   .01428   -.0005
  TL       V        ZN       N1       HG
-.0109   .51079   2.9363   2.0935   5.0000
TA

AVERAGE           N=2      WHR1     15-NOV-87 17:45:13
  LV
7137.0
  AG       AL       AS       B        BA       BE 100   BI       CA       CD 99    CO 100
.47918   2.0613   -.0067   .10672   1.8987   .47865   -.0049   49.230   .48419   .47637
  CR 98    CU 95    FE       K        LI       MX       MG       MN       MO       NA
.49413   .51583   1.9225   49.434   .01076   24.587   23.703   .49573   -.0015   50.005
  NI 96    P        PB 95    SB       SC       SE       SI       SN       SR       TI
.47758   .13684   4.2670   -.0111   .01758   .03803   1.0578   -.0027   .01429   -.0009
  TL       V 100    ZN 95    N1       HG
-.0204   .51009   2.9333   2.0897   5.0000
LA

SAT>
```

```
    TX
TX
ENTER TEXT STRING> ICV2 1/2 DILN OF CONCENTRATE
SAT>EAANTYANTYTA
```

Ver. Std.

```
EA
AN
TY

BURN # 1          WHR1     15-NOV-87 17:48:03
  LV
7140.0
  AG       AL       AS       B        BA       BE       BI       CA       CD       CO
-.0001   .00437   .42409   .00738   .00295   .00010  -.0023   .03787   .00187  -.0017
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
.00239   .00277   .00693   .06075  -.0001   -.0137   .00298   .00091   .00138   .04492
  NI       P        PB       SB       SC       SE       SI       SN       SR       TI
-.0075   .02180  -.0086   .00977   .01723   1.0013   .02072   .00808   .00011   .00000
  TL       V        ZN       N1       HG
-.0009   .00018   .00740   .02130   5.0000
AN
TY

BURN # 2          WHR1     15-NOV-87 17:48:43
  LV
7139.0
  AG       AL       AS       B        BA       BE       BI       CA       CD       CO
.00014   .00062   .44328   .00351   .00084   .00033  -.0012   .00735   .00090  -.0011
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
.00152   .00107   .00762  -.0761   .00016   .01373   .00211   .00104  -.0005   .01868
  NI       P        PB       SB       SC       SE       SI       SN       SR       TI
.00532  -.0220   -.0075   -.0137   .01695   .96082   .01042  -.0089   .00017  -.0000
  TL       V        ZN       N1       HG
.00083  -.0020   .00644   .00032   5.0000
TA

AVERAGE           N=2      WHR1     15-NOV-87 17:49:00
  LV
7139.5
  AG       AL       AS 92    B        BA       BE       BI       CA       CD       CO
.00000   .00249   .43368   .00545   .00190   .00021  -.0018   .02261   .00139  -.0014
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
.00195   .00192   .00727  -.0077   .00005   .00000   .00254   .00098   .00046   .03180
  NI       P        PB       SB       SC       SE 94    SI       SN       SR       TI
-.0011  -.0001   -.0081   -.0020   .01709   .98106   .01557  -.0004   .00014   .00000
  TL       V        ZN       N1       HG
-.0000  -.0009   .00692   .01081   5.0000
SAT>
```

```
    DK
DK
ENTER SAMPLE NAME>ICS
ENTER CLASS NAME>2.0
ENTER SAMPLE CODE>CI
ENTER SAMPLE DIGIT>
SAT>PC
PC
EA
AN
TY
```

(0387) 1/20

```
BURN # 1          WHR1     15-NOV-87 17:53:03
  LV
7137.5
  AG        AL        AS        B         BA        BE        BI        CA        CD        CO
.44797   241.95    -.0053    -.0067    .22540    .22321    .00046   232.64    .44120    .22568
  CR        CU        FE        K         LI        MX        MG        MN        MO        NA
.24075    .26450   85.624    -.4303    .03482   236.47    144.39    .25947    .00310    .28981
  NI        P         PB        SB        SC        SE        SI        SN        SR        TI
.40674    .71734   2.3053    -.0730    .01926    -.0065    .42351    -.0014    .06579    .00119
  TL        V         ZN        N1        HG
.44518    .24632    .45695   97.585    5.0000
AN
TY

BURN # 2          WHR1     15-NOV-87 17:53:43
  LV
7138.5
  AG        AL        AS        B         BA        BE        BI        CA        CD        CO
.44773   242.70    .03308    -.0087    .22537    .22377    .00185   232.69    .43939    .22413
  CR        CU        FE        K         LI        MX        MG        MN        MO        NA
.23920    .26020   85.876    -.4345    .03214   238.61    145.51    .25944    -.0005    .28283
  NI        P         PB        SB        SC        SE        SI        SN        SR        TI
.42265    .72601   2.2357    .05210    .01940    -.0383    .42338    -.0105    .06583    .00119
  TL        V         ZN        N1        HG
.43301    .24732    .45963   97.873    5.0000
TA

AVERAGE           N=2      WHR1     15-NOV-87 17:54:00
  LV
7138.0
  AG        AL        AS        B         BA        BE 94     BI        CA        CD 97     CO 94
.44785   242.32    .01391    -.0077    .22538    .22349    .00116   232.66    .44030    .22490
93 CR 100  CU 98    FE        K         LI        MX        MG        MN        MO        NA
.23998    .26235   85.750    -.4324    .03348   237.54    144.95    .25946    .00128    .28632
  NI 91     P         PB 93     SB        SC        SE        SI        SN        SR        TI
.41470    .72168   2.2705    -.0104    .01933    -.0224    .42345    -.0059    .06581    .00119
  TL        V 104     ZN 94     N1        HG
.43909    .24682    .45829   97.729    5.0000
LA

SAT>
```

```
    DK\KD\TX
TX
ENTER TEXT STRING> RGT BLK-1
SAT>EAANTYANTYTA
```

Prep. Blk.-1
(Rgt.)

```
EA
AN
TY

BURN # 1          WHR1     15-NOV-87 17:59:50
  LV
7139.0
  AG       AL       AS       B        BA       BE       BI       CA       CD       CO
.00039   .01055   -.0107   -.0034   .00042   -.0005   -.0007   .07640   .00127   -.0004
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
.00174   .00320   .01247   -.1712   -.0009   -.0137   .03449   .00156   -.0014   .03942
  NI       P        PB       SB       SC       SE       SI       SN       SR       TI
.00532   -.0088   -.0064   -.0044   .01688   -.0033   -.1910   -.0088   .00117   .00193
  TL       V        ZN       N1       HG
-.0063   -.0035   .00432   -.0689   5.0000
AN
TY

BURN # 2          WHR1     15-NOV-87 18:00:30
  LV
7138.0
  AG       AL       AS       B        BA       BE       BI       CA       CD       CO
-.0007   .00644   -.0104   -.0050   .00127   .00013   -.0028   .07724   .00049   -.0009
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
.00087   .00235   .01315   -.1424   -.0007   .06866   .03450   .00078   .00321   .03670
  NI       P        PB       SB       SC       SE       SI       SN       SR       TI
.00319   -.0250   .00219   -.0100   .01695   .00126   -.1910   .01274   .00112   .00193
  TL       V        ZN       N1       HG
.00425   -.0020   .00460   -.0509   14.993
TA

AVERAGE           N=2      WHR1     15-NOV-87 18:00:47
  LV
7138.5
  AG       AL       AS       B        BA       BE       BI       CA       CD       CO
-.0002   .00849   -.0106   -.0042   .00084   -.0002   -.0017   .07682   .00088   -.0007
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
.00130   .00277   .01281   -.1568   -.0008   .02747   .03450   .00117   .00091   .03806
  NI       P        PB       SB       SC       SE       SI       SN       SR       TI
.00426   -.0169   -.0021   -.0072   .01692   -.0010   -.1910   .00199   .00114   .00193
  TL       V        ZN       N1       HG
-.0010   -.0028   .00446   -.0599   9.9965
SAT>
```

```
    TX
TX
ENTER TEXT STRING> RGT BLK-2
SAT>EAANTYANTYTA
```

```
EA
AN
TY

BURN # 1          WHR1     15-NOV-87 18:01:40
  LV
7139.0
  AG       AL       AS       B        BA       BE       BI       CA       CD       CO
-.0013   .01051   -.0189   -.0058   .00127   -.0001   -.0064   .07879   .00077   -.0009
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
.00000   .00192   .01177   -.0822   .00046   .06863   .03449   .00117   .00229   .02560
  NI       P        PB       SB       SC       SE       SI       SN       SR       TI
.00000   -.0382   -.0080   .02374   .01702   .01435   -.1910   -.0008   .00123   -.0010
  TL       V        ZN       N1       HG
-.0053   -.0020   .00302   -.0711   14.992
AN
TY

BURN # 2          WHR1     15-NOV-87 18:02:19
  LV
7139.0
  AG       AL       AS       B        BA       BE       BI       CA       CD       CO
-.0007   .00886   -.0104   -.0058   .00127   .00074   -.0080   .07680   -.0003   .00000
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
.00065   .00234   .00900   -.1589   .00097   -.0412   .03479   .00052   .00045   .02283
  NI       P        PB       SB       SC       SE       SI       SN       SR       TI
.00213   -.0284   .02318   -.0341   .01695   -.0091   -.1910   -.0091   .00112   .00097
  TL       V        ZN       N1       HG
.01245   -.0020   .00315   -.0667   5.0000
TA

AVERAGE           N=2      WHR1     15-NOV-87 18:02:36
  LV
7139.0
  AG       AL       AS       B        BA       BE       BI       CA       CD       CO
-.0010   .00969   -.0147   -.0058   .00127   .00033   -.0072   .07780   .00025   -.0004
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
.00033   .00213   .01038   -.1206   .00072   .01373   .03464   .00085   .00137   .02421
  NI       P        PB       SB       SC       SE       SI       SN       SR       TI
.00106   -.0333   .00758   -.0052   .01698   .00261   -.1910   -.0049   .00117   .00000
  TL       V        ZN       N1       HG
.00355   -.0020   .00309   -.0689   9.9958
SAT>
```

```
    TX
TX
ENTER TEXT STRING> RGT BLK-3
SAT>EAANTYANTYTA


EA
AN
TY

BURN # 1          WHR1     15-NOV-87 18:04:25
  LV
7139.0
  AG       AL       AS       B        BA       BE       BI       CA       CD       CO
-.0007   .01161   -.0145   -.0051   .00042   .00013   -.0019   .09069   .00054   -.0007
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
.00043   .00107   .06228   -.1344   -.0007   .17842   .03174   .00156   .00321   .02836
  NI       P        PB       SB       SC       SE       SI       SN       SR       TI
-.0032   -.0220   .02531   .03684   .01695   .01768   -.1619   .01957   .00117   .00000
  TL       V        ZN       N1       HG
-.0031   -.0020   .00199   -.0105   5.0000
AN
TY

BURN # 2          WHR1     15-NOV-87 18:05:05
  LV
7138.5
  AG       AL       AS       B        BA       BE       BI       CA       CD       CO
-.0007   .01434   -.0272   -.0043   .00084   .00011   -.0064   .09191   .00125   -.0002
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
.00022   .00107   .06367   -.0724   -.0003   .01374   .03159   .00104   -.0005   .02976
  NI       P        PB       SB       SC       SE       SI       SN       SR       TI
.00000   -.0056   -.0043   .01449   .01695   .02288   -.1619   -.0021   .00123   .00290
  TL       V        ZN       N1       HG
-.0018   -.0005   .00277   .00498   14.992
TA

AVERAGE           N=2      WHR1     15-NOV-87 18:05:22
  LV
7138.7
  AG       AL       AS       B        BA       BE       BI       CA       CD       CO
-.0007   .01298   -.0208   -.0047   .00063   .00012   -.0041   .09130   .00089   -.0004
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
.00033   .00107   .06298   -.1034   -.0005   .09608   .03166   .00130   .00138   .02906
  NI       P        PB       SB       SC       SE       SI       SN       SR       TI
-.0016   -.0138   .01052   .02567   .01695   .02028   -.1619   .00875   .00120   .00145
  TL       V        ZN       N1       HG
-.0024   -.0013   .00238   -.0028   9.9961
SAT>
```

```
    TX
TX
ENTER TEXT STRING> FILTER BLK-1
SAT>EAANTYANTYTA
```

```
EA
AN
TY

BURN # 1          WHR1     15-NOV-87 18:06:48
  LV
7139.0
  AG       AL       AS       B        BA       BE       BI       CA       CD       CO
.00012   .07066   .00005   .00904   .00928   .00012  -.0028   .77127   .00019  -.0002
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
.00347   .00192   .05191  -.0884   -.0017   .09608   .15533   .00234  -.0005   4.0218
  NI       P        PB       SB       SC       SE       SI       SN       SR       TI
-.0032   1.4750  -.0208   -.0108   .01681  -.0054   .84315   .00624   .00725   .00002
  TL       V        ZN       N1       HG
-.0055  -.0013   .01136  -.0451   5.0000
AN
TY

BURN # 2          WHR1     15-NOV-87 18:07:28
  LV
7140.0
  AG       AL       AS       B        BA       BE       BI       CA       CD       CO
-.0007   .07473  -.0068   .00979   .00886   .00012  -.0038   .77271   .00007  -.0002
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
.00326   .00234   .05260  -.1387   .00092   .17838   .15531   .00247  -.0005   4.0129
  NI       P        PB       SB       SC       SE       SI       SN       SR       TI
.00213   1.5202   .00773  -.0253   .01695  -.0067   .84711   .00224   .00720   .00292
  TL       V        ZN       N1       HG
-.0029  -.0017   .01120  -.0263   5.0000
TA

AVERAGE           N=2      WHR1     15-NOV-87 18:07:45
  LV
7139.5
  AG       AL       AS       B        BA       BE       BI       CA       CD       CO
-.0003   .07269  -.0034   .00941   .00907   .00012  -.0033   .77199   .00013  -.0002
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
.00336   .00213   .05225  -.1135   -.0004   .13723   .15532   .00241  -.0005   4.0173
  NI       P        PB       SB       SC       SE       SI       SN       SR       TI
-.0005   1.4976  -.0065   -.0180   .01688  -.0060   .84513   .00424   .00722   .00147
  TL       V        ZN       N1       HG
-.0042  -.0015   .01128  -.0357   5.0000
SAT>
```

```
    TX
TX
ENTER TEXT STRING> FILTER BLK-2
SAT>EAANTYANTYTA
```

```
EA
AN
TY

BURN # 1          WHR1     15-NOV-87 18:09:01
  LV
7140.5
  AG       AL       AS       B        BA       BE       BI       CA       CD       CO
-.0004   .09172   -.0148   .01053   .00464   .00012   -.0090   .82858   .00015   -.0009
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
.00542   .00362   .07266   -.0626   .00235   .31557   .18579   .00260   .00138   3.7997
  NI       P        PB       SB       SC       SE       SI       SN       SR       TI
-.0021   1.3862   -.0003   -.0083   .01695   -.0056   .86985   .00491   .00781   .00292
  TL       V        ZN       N1       HG
-.0184   -.0013   .00962   .00151   14.989
AN
TY

BURN # 2          WHR1     15-NOV-87 18:09:41
  LV
7137.5
  AG       AL       AS       B        BA       BE       BI       CA       CD       CO
-.0010   .09058   -.0127   .00897   .00549   .00035   -.0037   .83141   .00032   -.0013
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
.00326   .00362   .07200   -.0405   .00094   .09612   .18326   .00248   -.0005   3.7931
  NI       P        PB       SB       SC       SE       SI       SN       SR       TI
.00426   1.3383   -.0105   .00716   .01695   .01840   .88083   -.0004   .00781   .00292
  TL       V        ZN       N1       HG
-.0039   -.0035   .00907   .00779   14.994
TA

AVERAGE           N=2      WHR1     15-NOV-87 18:09:58
  LV
7139.0
  AG       AL       AS       B        BA       BE       BI       CA       CD       CO
-.0007   .09115   -.0137   .00975   .00506   .00023   -.0064   .83000   .00024   -.0011
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
.00434   .00362   .07233   -.0515   .00165   .20585   .18453   .00254   .00046   3.7964
  NI       P        PB       SB       SC       SE       SI       SN       SR       TI
.00107   1.3623   -.0054   -.0006   .01695   .00639   .87534   .00225   .00781   .00292
  TL       V        ZN       N1       HG
-.0112   -.0024   .00935   .00465   14.992
SAT>
```

```
    TX
TX
ENTER TEXT STRING> FILTER BLK-3
SAT>EAANTYANTYTA



EA
AN
TY

BURN # 1          WHR1     15-NOV-87 18:10:50
  LV
7140.0
  AG       AL       AS       B        BA       BE       BI       CA       CD       CO
-.0010   .06595   -.0088   .00822   .00253   -.0001   -.0047   .80604   .00125   -.0009
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
.00456   .00192   .03322   -.0865   .00246   .17838   .14602   .00156   .00137   3.8746
  NI       P        PB       SB       SC       SE       SI       SN       SR       TI
-.0053   1.4126   .00125   .02147   .01681   .02905   .76406   .00958   .00759   .00292
  TL       V        ZN       N1       HG
-.0103   -.0020   .00463   -.0198   5.0000
AN
TY

BURN # 2          WHR1     15-NOV-87 18:11:30
  LV
7139.0
  AG       AL       AS       B        BA       BE       BI       CA       CD       CO
-.0010   .05882   -.0084   .00745   .00295   .00011   -.0066   .80817   .00047   .00000
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
.00456   .00192   .03461   -.0608   -.0007   .09608   .14604   .00182   -.0005   3.9056
  NI       P        PB       SB       SC       SE       SI       SN       SR       TI
.00639   1.4016   .00607   -.0099   .01695   -.0065   .76424   .00158   .00770   -.0009
  TL       V        ZN       N1       HG
-.0227   -.0005   .00459   -.0256   5.0000
TA

AVERAGE           N=2      WHR1     15-NOV-87 18:11:47
  LV
7139.5
  AG       AL       AS       B        BA       BE       BI       CA       CD       CO
-.0010   .06239   -.0086   .00783   .00274   .00002   -.0057   .80711   .00086   -.0004
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
.00456   .00192   .03392   -.0736   .00087   .13723   .14603   .00169   .00046   3.8901
  NI       P        PB       SB       SC       SE       SI       SN       SR       TI
.00053   1.4071   .00366   .00579   .01688   .01126   .76415   .00558   .00764   .00099
  TL       V        ZN       N1       HG
-.0165   -.0013   .00461   -.0227   5.0000
SAT>
```

```
    TX
TX
ENTER TEXT STRING> MCS-1
SAT>EAANTYANTYTA
```

EA
AN
TY

BURN # 1 WHR1 15-NOV-87 18:12:49

LV									
7139.5									
AG	AL	AS	B	BA	BE	BI	CA	CD	CO
-.0001	.08345	.08122	.01130	.00633	.04901	-.0025	.79445	.04878	.50378
CR	CU	FE	K	LI	MX	MG	MN	MO	NA
.10374	.25249	.04856	-.0767	.00052	.17840	.17391	.00313	.00000	4.1846
NI	P	PB	SB	SC	SE	SI	SN	SR	TI
.40237	1.5423	1.0009	.01032	.01709	.27429	.88444	.00242	.00736	.00002
TL	V	ZN	N1	HG					
.00606	.50368	.21028	.00649	24.982					

AN
TY

BURN # 2 WHR1 15-NOV-87 18:13:29

LV									
7139.5									
AG	AL	AS	B	BA	BE	BI	CA	CD	CO
-.0007	.08539	.09144	.01134	.00591	.04841	-.0044	.79048	.04615	.50574
CR	CU	FE	K	LI	MX	MG	MN	MO	NA
.10200	.25377	.05410	-.1534	.00031	.01372	.17507	.00313	.00137	4.2178
NI	P	PB	SB	SC	SE	SI	SN	SR	TI
.40876	1.5358	.98208	.01271	.01695	.24056	.87821	-.0041	.00736	.00099
TL	V	ZN	N1	HG					
-.0078	.50294	.20827	-.0216	5.0000					

TA

AVERAGE N=2 WHR1 15-NOV-87 18:13:46

LV									
7139.5									
AG	AL	AS 86	B	BA	BE 98	BI	CA	CD 94	CO 101
-.0004	.08442	.08633	.01132	.00612	.04871	-.0034	.79247	.04747	.50476
CR 103	CU 101	FE	K	LI	MX	MG	MN	MO	NA
.10287	.25313	.05133	-.1151	.00041	.09606	.17449	.00313	.00069	4.2012
NI 102	P	PB 99	SB	SC	SE 103	SI	SN	SR	TI
.40556	1.5390	.99149	.01152	.01702	.25743	.88132	-.0008	.00736	.00051
TL	V 101	ZN 105	N1	HG					
-.0009	.50331	.20927	-.0076	14.991					

SAT>

```
    DK\KD\TX
TX
ENTER TEXT STRING> Ø MCS-2
SAT>EAANTYANTYTA
```

```
EA
AN
TY

BURN # 1          WHR1     15-NOV-87 18:14:40
  LV
7140.0
  AG       AL       AS       B        BA       BE       BI       CA       CD       CO
-.0001   .08751   .08491   .01052   .00464   .04858   -.0063   .84754   .04893   .50722
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
.10525   .25333   .05132   -.0712   -.0003   -.0686   .17477   .00182   -.0005   4.0046
  NI       P        PB       SB       SC       SE       SI       SN       SR       TI
.40341   1.4376   .97180   .01612   .01709   .26886   .87810   -.0004   .00814   .00389
  TL       V        ZN       N1       HG
-.0033   .50512   .21316   .00400   14.990
AN
TY

BURN # 2          WHR1     15-NOV-87 18:15:19
  LV
7138.5
  AG       AL       AS       B        BA       BE       BI       CA       CD       CO
-.0001   .09032   .09716   .01207   .00464   .04858   -.0029   .84936   .04843   .50993
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
.10593   .25338   .05341   .01658   .00196   .06864   .17539   .00169   .00459   4.0110
  NI       P        PB       SB       SC       SE       SI       SN       SR       TI
.39710   1.5083   .99836   .00562   .01709   .27649   .87632   .00692   .00803   .00002
  TL       V        ZN       N1       HG
.01173   .50597   .21138   .01796   14.992
TA

AVERAGE           N=2      WHR1     15-NOV-87 18:15:36
  LV
7139.2
  AG       AL       AS 91    B        BA       BE 98    BI       CA       CD 98    CO 102
-.0001   .08891   .09103   .01130   .00464   .04858   -.0046   .84845   .04868   .50858
  CR 104   CU 101   FE       K        LI       MX       MG       MN       MO       NA
.10559   .25336   .05237   -.0273   .00082   .00001   .17508   .00176   .00207   4.0078
  NI 100   P        PB 99    SB       SC       SE 109   SI       SN       SR       TI
.40026   1.4730   .98508   .01087   .01709   .27267   .87721   .00325   .00809   .00196
  TL       V 101    ZN 106   N1       HG
.00420   .50554   .21227   .01098   14.991
SAT>
```

```
    TX
TX
ENTER TEXT STRING> MCS-3
SAT>EAANTYANTYTA
```

```
EA
AN
TY

BURN # 1          WHR1     15-NOV-87 18:16:36
  LV
7138.5
  AG       AL       AS       B        BA       BF       BI       CA       CD       CO
-.0018   .06391   .08832   .00900   .00169   .04871   -.0067   .80650   .04658   .50038
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
.10397   .25210   .03611   -.0448   -.0001   .04119   .14823   .00156   .00183   3.9253
  NI       P        PB       SB       SC       SE       SI       SN       SR       TI
.39604   1.4384   .94451   -.0211   .01688   .22306   .79533   -.0131   .00764   .00195
  TL       V        ZN       N1       HG
-.0190   .49637   .20413   -.0210   5.0000
AN
TY

BURN # 2          WHR1     15-NOV-87 18:17:16
  LV
7139.0
  AG       AL       AS       B        BA       BF       BI       CA       CD       CO
.00014   .06588   .09618   .00973   .00295   .04915   -.0051   .80722   .04766   .50078
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
.10418   .25081   .03611   .02210   .00031   -.0412   .14604   .00195   .00046   3.9084
  NI       P        PB       SB       SC       SE       SI       SN       SR       TI
.38324   1.4365   1.0020   -.0385   .01723   .24791   .80147   .00025   .00781   .00002
  TL       V        ZN       N1       HG
-.0066   .49336   .20390   .01979   5.0000
TA

AVERAGE           N=2      WHR1     15-NOV-87 18:17:33
  LV
7138.7
  AG       AL       AS 92    B        BA       BF 98    BI       CA       CD 94    CO 100
-.0008   .06490   .09225   .00936   .00232   .04893   -.0059   .80686   .04712   .50058
  CR 104   CU 100   FE       K        LI       MX       MG       MN       MO       NA
.10408   .25146   .03611   -.0114   .00011   .00001   .14713   .00176   .00115   3.9168
  NI 98    P        PB 97    SB       SC       SE 94    SI       SN       SR       TI
.38964   1.4374   .97324   -.0298   .01705   .23548   .79840   -.0064   .00773   .00099
  TL       V 99     ZN 102   N1       HG
-.0128   .49486   .20402   -.0006   5.0000
SAT>
```

```
    DK
DK
ENTER SAMPLE NAME>BLC
ENTER CLASS NAME>1.0
ENTER SAMPLE CODE>BLC
ENTER SAMPLE DIGIT>
SAT>PC
PC
EA
AN
TY
```

Cont. Blk.

```
BURN # 1          WHR1     15-NOV-87 18:18:49
  LV
7139.0
  AG        AL        AS        B         BA        BE        BI        CA        CD        CO
-.0004    .00632   -.0163   -.0020    .00042   -.0001   -.0024    .00339    .00075   -.0017
  CR        CU        FE        K         LI        MX        MG        MN        MO        NA
.00000   -.0002    .00070   .27371    .00180   .09608    .00211    .00104    .00047    .00900
  NI        P         PB        SB        SC        SE        SI        SN        SR        TI
.00532   -.0335    .01452   .00658    .01737   .01855    .00834    .00359    .00006   -.0000
  TL        V         ZN        N1        HG
-.0015    .00092   -.0002    .04359   5.0000
AN
TY

BURN # 2          WHR1     15-NOV-87 18:19:29
  LV
7139.0
  AG        AL        AS        B         BA        BE        BI        CA        CD        CO
-.0015    .00771   -.0098    .00037   -.0008    .00010   -.0038    .00021   -.0001    .00000
  CR        CU        FE        K         LI        MX        MG        MN        MO        NA
.00000   -.0002   -.0007    .09267    .00036   -.1235    .00138    .00052   -.0023    .00347
  NI        P         PB        SB        SC        SE        SI        SN        SR        TI
-.0021   -.0383    .01185   -.0401    .01730   -.0097    .00004   -.0054    .00011   -.0000
  TL        V         ZN        N1        HG
-.0137    .00019   -.0003    .01763   5.0000
TA

AVERAGE           N=2      WHR1     15-NOV-87 18:19:46
  LV
7139.0
  AG        AL        AS        B         BA        BE        BI        CA        CD        CO
-.0010    .00701   -.0130   -.0008   -.0002   -.0000   -.0031    .00180    .00033   -.0009
  CR        CU        FE        K         LI        MX        MG        MN        MO        NA
.00000   -.0002    .00000    .18319    .00108   -.0137    .00174    .00078   -.0009    .00624
  NI        P         PB        SB        SC        SE        SI        SN        SR        TI
.00160   -.0359    .01318   -.0167    .01733    .00441    .00419   -.0009    .00008   -.0000
  TL        V         ZN        N1        HG
-.0076    .00055   -.0002    .03061   5.0000
LA

SAT>
```

```
    DK
DK
ENTER SAMPLE NAME>STD3\3\2
ENTER CLASS NAME>1.0
ENTER SAMPLE CODE>CV1
ENTER SAMPLE DIGIT>
SAT>PC
PC
EA
AN
TY
```

Cont. Std.

```
BURN # 1          WHR1     15-NOV-87 18:20:49
  LV
7137.0
  AG       AL       AS       B        BA       BE       BI       CA       CD       CO
-.0009   9.9492   9.7945   9.8550   .00253   .00048   4.9533   9.8169   -.0028   -.0007
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
.00239   .00107   9.8568   49.828   .00225   10.310   10.025   .00261   -.0018   10.074
  NI       P        PB       SB       SC       SE       SI       SN       SR       TI
9.8605   49.028   9.8905   .02541   .01751   -.0070   .02303   -.0041   .00045   .00029
  TL       V        ZN       N1       HG
.02594   .00182   .00366   9.9377   14.994
AN
TY

BURN # 2          WHR1     15-NOV-87 18:21:29
  LV
7137.5
  AG       AL       AS       B        BA       BE       BI       CA       CD       CO
.00104   9.9746   9.8021   9.9151   .00127   .00008   4.9643   9.8769   -.0013   .00217
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
.00043   .00064   9.9170   50.063   .00399   10.144   10.072   .00248   .00002   10.093
  NI       P        PB       SB       SC       SE       SI       SN       SR       TI
9.9386   49.642   9.9824   -.0306   .01779   .02614   .02923   -.0001   .00045   .00126
  TL       V        ZN       N1       HG
.00940   .00180   .00337   9.9799   5.0000
TA

AVERAGE           N=2      WHR1     15-NOV-87 18:21:46
  LV
7137.2
  AG       AL       AS       B        BA       BE       BI       CA       CD       CO
.00007   9.9619   9.7983   9.8851   .00190   .00028   4.9588   9.8469   -.0021   .00076
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
.00141   .00085   9.8869   49.946   .00312   10.227   10.048   .00254   -.0009   10.084
  NI       P        PB       SB       SC       SE       SI       SN       SR       TI
9.8995   49.335   9.9365   -.0026   .01765   .00959   .02613   -.0021   .00045   .00078
  TL       V        ZN       N1       HG
.01767   .00181   .00352   9.9588   9.9972
LA

SAT>
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