

Sample Information File Untitled

Description : Se Pot 10/1/01  
 Batch ID :  
 Volume Units :  
 Weight Units :  
 Analyst :  
 Sample Volume : 1.000  
 Nominal Weight : 1.000000

|                  |         |
|------------------|---------|
| DATE ANALYZED    | 10/1/01 |
| TIME ANALYZED    | 9:00    |
| ANALYST INITIALS | ms      |
| REVIEWED BY      | AB      |

| AS Sample ID<br>Loc | Sample Sample<br>Weight Units | User<br>Dilution | Remarks |
|---------------------|-------------------------------|------------------|---------|
|---------------------|-------------------------------|------------------|---------|

1 QCS  
 2 IPC  
 3 CB  
 4 LFB  
 5 LRB  
 6 23697 - spike pass  
 7 23697dup  
 8 23698  
 9 23699  
 10 23717  
 11 23718  
 12 23719  
 13 23720  
 14 23721  
 15 23722  
 16 23723 - spike pass  
 17 23797  
 18 23798  
 19 23799  
 20 23833  
 21 23834  
 22 23835  
 23 23836  
 24 23837  
 25 23838  
 26 23839 - spike pass  
 27 23900  
 28 23900dup  
 29 23901  
 30 23902  
 31 23903  
 32 23904  
 33 23905  
 34 23909  
 35 23910

QC never passed, even w/ rerun

QC Reviewed by,  
 JB 4/6/01

END MSA's  
 not for DEP

Method Name: SeHGAP Element: Se  
 Method Description: Sehga SM3113 B

Date: 10/01/2001  
 Technique: Furnace Calibration Equation: Calc. Intercept: Linear  
 Wavelength: 196.0 nm Slit Width: 2.00 nm  
 Lamp Current: 0 Energy: 59  
 Sample Info File: Untitled Results Data Set:

Element: Se Seq. No.: 1 AS Loc.: 36 Date: 10/01/2001  
 Sample ID: Calib Blank  
 µL dispensed: 10 from 36, 5 from 37, 20 from 36  
 µL dispensed: 10 from 36, 5 from 37, 20 from 36

| Repl # | SampleConc µg/L | StdConc µg/L | BlkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|--------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      |                 |              | 0.003          | 0.003     | 0.008       | 0.019      | 0.015        | 09:26:03 | No          |

Auto-zero performed.

Element: Se Seq. No.: 2 AS Loc.: 38 Date: 10/01/2001  
 Sample ID: S2  
 µL dispensed: 26 from 36, 5 from 37, 4 from 38  
 µL dispensed: 26 from 36, 5 from 37, 4 from 38

| Repl # | SampleConc µg/L | StdConc µg/L | BlkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|--------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      |                 |              | 0.011          | 0.014     | 0.026       | 0.024      | 0.013        | 09:30:22 | No          |

Standard number 1 applied. [2]  
 Correlation Coefficient: 1.0000 Slope: 0.0055

Element: Se Seq. No.: 3 AS Loc.: 38 Date: 10/01/2001  
 Sample ID: S4  
 µL dispensed: 22 from 36, 5 from 37, 8 from 38  
 µL dispensed: 22 from 36, 5 from 37, 8 from 38

| Repl # | SampleConc µg/L | StdConc µg/L | BlkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|--------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      |                 |              | 0.032          | 0.034     | 0.041       | 0.025      | 0.016        | 09:34:46 | No          |

Standard number 2 applied. [4]  
 Correlation Coefficient: 0.9846 Slope: 0.0079

Element: Se Seq. No.: 4 AS Loc.: 38 Date: 10/01/2001  
 Sample ID: S6  
 µL dispensed: 18 from 36, 5 from 37, 12 from 38  
 µL dispensed: 18 from 36, 5 from 37, 12 from 38

| Repl # | SampleConc µg/L | StdConc µg/L | BlkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|--------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      |                 |              | 0.046          | 0.049     | 0.056       | 0.031      | 0.021        | 09:39:07 | No          |

Standard number 3 applied. [6]  
 Correlation Coefficient: 0.9938 Slope: 0.0080

=====  
 Element: Se Seq. No.: 5 AS Loc.: 38 Date: 10/01/2001

Sample ID: S8

µL dispensed: 14 from 36, 5 from 37, 16 from 38

µL dispensed: 14 from 36, 5 from 37, 16 from 38

| Repl # | SampleConc µg/L | StndConc µg/L | BlkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|---------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      |                 |               | 0.063          | 0.066     | 0.071       | 0.035      | 0.027        | 09:43:30 | No          |

Standard number 4 applied. [8]

Correlation Coefficient: 0.9969

Slope: 0.0081

=====  
 Element: Se Seq. No.: 6 AS Loc.: 38 Date: 10/01/2001

Sample ID: S10

µL dispensed: 10 from 36, 5 from 37, 20 from 38

µL dispensed: 10 from 36, 5 from 37, 20 from 38

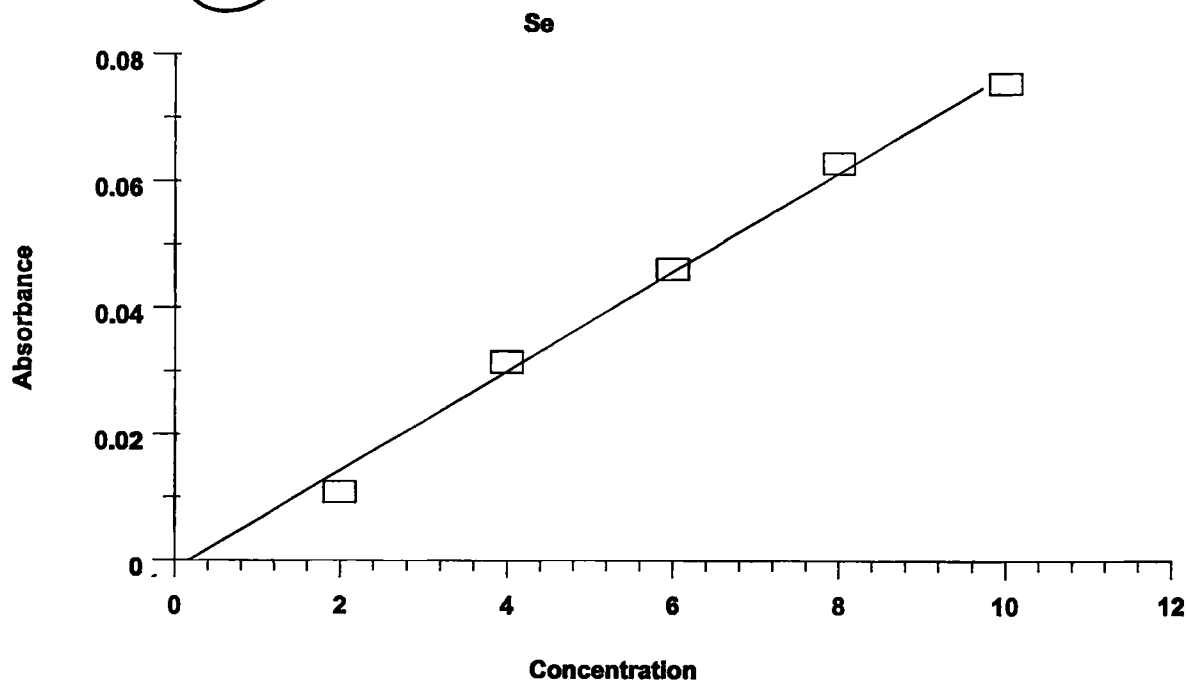
| Repl # | SampleConc µg/L | StndConc µg/L | BlkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|---------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      |                 |               | 0.076          | 0.078     | 0.082       | 0.041      | 0.030        | 09:47:53 | No          |

The calibration curve may not be linear.

Standard number 5 applied. [10]

Correlation Coefficient: 0.9976

Slope: 0.0078



## Calibration data for Se

| Standard ID                                                             | Mean Signal<br>(Pk Area) | Entered<br>Concentration<br>( $\mu\text{g/L}$ ) | Calculated<br>Concentration<br>( $\mu\text{g/L}$ ) | Standard<br>Deviation | %RSD |
|-------------------------------------------------------------------------|--------------------------|-------------------------------------------------|----------------------------------------------------|-----------------------|------|
| Calib Blank                                                             | 0.000                    | ----                                            | 0.1705                                             | ----                  | ---- |
| S2                                                                      | 0.011                    | 2                                               | 1.563                                              | ----                  | ---- |
| S4                                                                      | 0.032                    | 4                                               | 4.193                                              | ----                  | ---- |
| S6                                                                      | 0.046                    | 6                                               | 6.057                                              | ----                  | ---- |
| S8                                                                      | 0.063                    | 8                                               | 8.200                                              | ----                  | ---- |
| S10                                                                     | 0.076                    | 10                                              | 9.816                                              | ----                  | ---- |
| Correlation Coefficient: 0.99762    Slope: 0.00784    Intercept: -0.001 |                          |                                                 |                                                    |                       |      |

The calibration curve has been edited.

=====  
Element: Se    Seq. No.: 7    AS Loc.: 38    Date: 10/01/2001

Sample ID: S2

$\mu\text{L}$  dispensed: 26 from 36, 5 from 37, 4 from 38

$\mu\text{L}$  dispensed: 26 from 36, 5 from 37, 4 from 38

| Repl # | SampleConc $\mu\text{g/L}$ | StdConc $\mu\text{g/L}$ | BlkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|----------------------------|-------------------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      |                            |                         | 0.021          | 0.024     | 0.023       | 0.021      | 0.013        | 09:54:19 | No          |

Standard number 1 applied. [2]

Correlation Coefficient: 0.9970

Slope: 0.0074

The calibration curve has been edited. *why*

=====  
Element: Se    Seq. No.: 8    AS Loc.: 38    Date: 10/01/2001

Sample ID: S2

$\mu\text{L}$  dispensed: 26 from 36, 5 from 37, 4 from 38

$\mu\text{L}$  dispensed: 26 from 36, 5 from 37, 4 from 38

| Repl # | SampleConc $\mu\text{g/L}$ | StdConc $\mu\text{g/L}$ | BlkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|----------------------------|-------------------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      |                            |                         | 0.018          | 0.021     | 0.025       | 0.022      | 0.014        | 09:59:44 | No          |

Standard number 1 applied. [2]

Correlation Coefficient: 0.9991

Slope: 0.0075

=====  
Element: Se    Seq. No.: 9    AS Loc.: 1    Date: 10/01/2001

Sample ID: QCS

$\mu\text{L}$  dispensed: 10 from 36, 5 from 37, 20 from 1

$\mu\text{L}$  dispensed: 10 from 36, 5 from 37, 20 from 1

| Repl # | SampleConc $\mu\text{g/L}$ | StdConc $\mu\text{g/L}$ | BlkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|----------------------------|-------------------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      | 5.016                      | 5.016                   | 0.039          | 0.042     | 0.045       | 0.027      | 0.022        | 10:04:16 | No          |

QC value within specified limits.

=====  
Element: Se    Seq. No.: 10    AS Loc.: 2    Date: 10/01/2001

Sample ID: IPC

$\mu\text{L}$  dispensed: 10 from 36, 5 from 37, 20 from 2

$\mu\text{L}$  dispensed: 10 from 36, 5 from 37, 20 from 2

| Repl # | SampleConc $\mu\text{g/L}$ | StdConc $\mu\text{g/L}$ | BlkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|----------------------------|-------------------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      | 4.657                      | 4.657                   | 0.036          | 0.039     | 0.049       | 0.027      | 0.020        | 10:08:28 | No          |

QC value within specified limits.

=====  
 Element: Se Seq. No.: 11 AS Loc.: 3 Date: 10/01/2001

Sample ID: CB

µL dispensed: 10 from 36, 5 from 37, 20 from 3

µL dispensed: 10 from 36, 5 from 37, 20 from 3

| Repl # | SampleConc µg/L | StdndConc µg/L | BlndCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|----------------|-----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      | 0.0099          | 0.0099         | 0.001           | 0.004     | 0.011       | 0.016      | 0.009        | 10:12:39 | No          |

=====  
 Element: Se Seq. No.: 12 AS Loc.: 4 Date: 10/01/2001

Sample ID: LFB

µL dispensed: 10 from 36, 5 from 37, 20 from 4

µL dispensed: 10 from 36, 5 from 37, 20 from 4

| Repl # | SampleConc µg/L | StdndConc µg/L | BlndCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|----------------|-----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      | 9.663           | 9.663          | 0.074           | 0.077     | 0.085       | 0.036      | 0.030        | 10:16:53 | No          |

QC value within specified limits.

=====  
 Element: Se Seq. No.: 13 AS Loc.: 5 Date: 10/01/2001

Sample ID: LRB

µL dispensed: 10 from 36, 5 from 37, 20 from 5

µL dispensed: 10 from 36, 5 from 37, 20 from 5

| Repl # | SampleConc µg/L | StdndConc µg/L | BlndCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|----------------|-----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      | 0.0773          | 0.0773         | 0.002           | 0.005     | 0.011       | 0.016      | 0.015        | 10:21:08 | No          |

=====  
 Element: Se Seq. No.: 14 AS Loc.: 6 Date: 10/01/2001

Sample ID: 23697

µL dispensed: 10 from 36, 5 from 37, 20 from 6

µL dispensed: 10 from 36, 5 from 37, 20 from 6

| Repl # | SampleConc µg/L | StdndConc µg/L | BlndCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|----------------|-----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      | 0.6245          | 0.6245         | 0.006           | 0.009     | 0.012       | 0.024      | 0.013        | 10:25:26 | No          |

=====  
 Element: Se Seq. No.: 15 AS Loc.: 6 Date: 10/01/2001

Sample ID: 23697

µL dispensed: 5 from 37, 20 from 6, 10 from 38

µL dispensed: 5 from 37, 20 from 6, 10 from 38

| Repl # | SampleConc µg/L | StdndConc µg/L | BlndCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|----------------|-----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      | 5.092           | 5.092          | 0.040           | 0.042     | 0.055       | 0.036      | 0.024        | 10:29:38 | No          |

Recovery is 89.4%

=====  
 Element: Se Seq. No.: 16 AS Loc.: 7 Date: 10/01/2001

Sample ID: 23697dup

µL dispensed: 10 from 36, 5 from 37, 20 from 7

µL dispensed: 10 from 36, 5 from 37, 20 from 7

| Repl # | SampleConc µg/L | StdndConc µg/L | BlndCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|----------------|-----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      | 0.5086          | 0.5086         | 0.005           | 0.008     | 0.011       | 0.023      | 0.011        | 10:34:01 | No          |

=====  
 Element: Se Seq. No.: 17 AS Loc.: 8 Date: 10/01/2001

Sample ID: 23698

μL dispensed: 10 from 36, 5 from 37, 20 from 8

μL dispensed: 10 from 36, 5 from 37, 20 from 8

| Repl # | SampleConc<br>μg/L | StndConc<br>μg/L | BlkCorr<br>Signal | Peak<br>Area | Peak<br>Height | Bkgnd<br>Area | Bkgnd<br>Height | Time     | Peak<br>Stored |
|--------|--------------------|------------------|-------------------|--------------|----------------|---------------|-----------------|----------|----------------|
| 1      | 0.0065             | 0.0065           | 0.001             | 0.004        | 0.010          | 0.070         | 0.036           | 10:38:20 | No             |

=====  
 Element: Se Seq. No.: 18 AS Loc.: 9 Date: 10/01/2001

Sample ID: 23699

μL dispensed: 10 from 36, 5 from 37, 20 from 9

μL dispensed: 10 from 36, 5 from 37, 20 from 9

| Repl # | SampleConc<br>μg/L | StndConc<br>μg/L | BlkCorr<br>Signal | Peak<br>Area | Peak<br>Height | Bkgnd<br>Area | Bkgnd<br>Height | Time     | Peak<br>Stored |
|--------|--------------------|------------------|-------------------|--------------|----------------|---------------|-----------------|----------|----------------|
| 1      | -0.4841            | -0.4841          | -0.002            | 0.000        | 0.007          | 0.027         | 0.014           | 10:42:44 | No             |

=====  
 Element: Se Seq. No.: 19 AS Loc.: 10 Date: 10/01/2001

Sample ID: 23717

μL dispensed: 10 from 36, 5 from 37, 20 from 10

μL dispensed: 10 from 36, 5 from 37, 20 from 10

| Repl # | SampleConc<br>μg/L | StndConc<br>μg/L | BlkCorr<br>Signal | Peak<br>Area | Peak<br>Height | Bkgnd<br>Area | Bkgnd<br>Height | Time     | Peak<br>Stored |
|--------|--------------------|------------------|-------------------|--------------|----------------|---------------|-----------------|----------|----------------|
| 1      | -0.3530            | -0.3530          | -0.001            | 0.001        | 0.009          | 0.030         | 0.015           | 10:47:12 | No             |

=====  
 Element: Se Seq. No.: 20 AS Loc.: 11 Date: 10/01/2001

Sample ID: 23718

μL dispensed: 10 from 36, 5 from 37, 20 from 11

μL dispensed: 10 from 36, 5 from 37, 20 from 11

| Repl # | SampleConc<br>μg/L | StndConc<br>μg/L | BlkCorr<br>Signal | Peak<br>Area | Peak<br>Height | Bkgnd<br>Area | Bkgnd<br>Height | Time     | Peak<br>Stored |
|--------|--------------------|------------------|-------------------|--------------|----------------|---------------|-----------------|----------|----------------|
| 1      | -0.0739            | -0.0739          | 0.001             | 0.003        | 0.010          | 0.025         | 0.016           | 10:51:41 | No             |

=====  
 Element: Se Seq. No.: 21 AS Loc.: 12 Date: 10/01/2001

Sample ID: 23719

μL dispensed: 10 from 36, 5 from 37, 20 from 12

μL dispensed: 10 from 36, 5 from 37, 20 from 12

| Repl # | SampleConc<br>μg/L | StndConc<br>μg/L | BlkCorr<br>Signal | Peak<br>Area | Peak<br>Height | Bkgnd<br>Area | Bkgnd<br>Height | Time     | Peak<br>Stored |
|--------|--------------------|------------------|-------------------|--------------|----------------|---------------|-----------------|----------|----------------|
| 1      | -0.7568            | -0.7568          | -0.004            | -0.002       | 0.007          | 0.030         | 0.017           | 10:56:09 | No             |

=====  
 Element: Se Seq. No.: 22 AS Loc.: 13 Date: 10/01/2001

Sample ID: 23720

μL dispensed: 10 from 36, 5 from 37, 20 from 13

μL dispensed: 10 from 36, 5 from 37, 20 from 13

| Repl # | SampleConc<br>μg/L | StndConc<br>μg/L | BlkCorr<br>Signal | Peak<br>Area | Peak<br>Height | Bkgnd<br>Area | Bkgnd<br>Height | Time     | Peak<br>Stored |
|--------|--------------------|------------------|-------------------|--------------|----------------|---------------|-----------------|----------|----------------|
| 1      | -0.3968            | -0.3968          | -0.002            | 0.001        | 0.009          | 0.028         | 0.014           | 11:00:36 | No             |

=====  
 Element: Se Seq. No.: 23 AS Loc.: 14 Date: 10/01/2001

Sample ID: 23721

µL dispensed: 10 from 36, 5 from 37, 20 from 14

µL dispensed: 10 from 36, 5 from 37, 20 from 14

| Repl # | SampleConc µg/L | StdndConc µg/L | BlkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|----------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      | -0.2434         | -0.2434        | -0.001         | 0.002     | 0.010       | 0.029      | 0.017        | 11:05:04 | No          |

=====  
 Element: Se Seq. No.: 24 AS Loc.: 2 Date: 10/01/2001

Sample ID: IPC

µL dispensed: 10 from 36, 5 from 37, 20 from 2

µL dispensed: 10 from 36, 5 from 37, 20 from 2

| Repl # | SampleConc µg/L | StdndConc µg/L | BlkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|----------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      | 3.670           | 3.670          | 0.029          | 0.032     | 0.037       | 0.028      | 0.014        | 11:09:20 | No          |

QC out of limits. QC will be repeated based on Retry setting.

=====  
 Element: Se Seq. No.: 25 AS Loc.: 2 Date: 10/01/2001

Sample ID: IPC

µL dispensed: 10 from 36, 5 from 37, 20 from 2

µL dispensed: 10 from 36, 5 from 37, 20 from 2

| Repl # | SampleConc µg/L | StdndConc µg/L | BlkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|----------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      | 4.806           | 4.806          | 0.038          | 0.040     | 0.047       | 0.024      | 0.016        | 11:13:33 | No          |

QC value within specified limits.

=====  
 Element: Se Seq. No.: 26 AS Loc.: 3 Date: 10/01/2001

Sample ID: CB

µL dispensed: 10 from 36, 5 from 37, 20 from 3

µL dispensed: 10 from 36, 5 from 37, 20 from 3

| Repl # | SampleConc µg/L | StdndConc µg/L | BlkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|----------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      | 0.2380          | 0.2380         | 0.003          | 0.006     | 0.011       | 0.011      | 0.010        | 11:17:47 | No          |

=====  
 Element: Se Seq. No.: 27 AS Loc.: 15 Date: 10/01/2001

Sample ID: 23722

µL dispensed: 10 from 36, 5 from 37, 20 from 15

µL dispensed: 10 from 36, 5 from 37, 20 from 15

| Repl # | SampleConc µg/L | StdndConc µg/L | BlkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|----------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      | -0.4872         | -0.4872        | -0.002         | 0.000     | 0.011       | 0.023      | 0.013        | 11:22:11 | No          |

=====  
 Element: Se Seq. No.: 28 AS Loc.: 16 Date: 10/01/2001

Sample ID: 23723

µL dispensed: 10 from 36, 5 from 37, 20 from 16

µL dispensed: 10 from 36, 5 from 37, 20 from 16

| Repl # | SampleConc µg/L | StdndConc µg/L | BlkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|----------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      | -0.1142         | -0.1142        | 0.000          | 0.003     | 0.009       | 0.021      | 0.014        | 11:26:36 | No          |

=====  
 Element: Se Seq. No.: 29 AS Loc.: 16 Date: 10/01/2001

Sample ID: 23723

µL dispensed: 5 from 37, 20 from 16, 10 from 38

µL dispensed: 5 from 37, 20 from 16, 10 from 38

-----  

| Repl # | SampleConc µg/L | StndConc µg/L | BlnkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|---------------|-----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      | 4.551           | 4.551         | 0.036           | 0.038     | 0.049       | 0.030      | 0.026        | 11:31:09 | No          |

 Recovery is 91.0%  
 =====

=====  
 Element: Se Seq. No.: 30 AS Loc.: 17 Date: 10/01/2001

Sample ID: 23797

µL dispensed: 10 from 36, 5 from 37, 20 from 17

µL dispensed: 10 from 36, 5 from 37, 20 from 17

-----  

| Repl # | SampleConc µg/L | StndConc µg/L | BlnkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|---------------|-----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      | 0.0270          | 0.0270        | 0.001           | 0.004     | 0.010       | 0.021      | 0.013        | 11:35:34 | No          |

 =====

=====  
 Element: Se Seq. No.: 31 AS Loc.: 18 Date: 10/01/2001

Sample ID: 23798

µL dispensed: 10 from 36, 5 from 37, 20 from 18

µL dispensed: 10 from 36, 5 from 37, 20 from 18

-----  

| Repl # | SampleConc µg/L | StndConc µg/L | BlnkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|---------------|-----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      | -0.0425         | -0.0425       | 0.001           | 0.004     | 0.010       | 0.055      | 0.032        | 11:39:53 | No          |

 =====

=====  
 Element: Se Seq. No.: 32 AS Loc.: 19 Date: 10/01/2001

Sample ID: 23799

µL dispensed: 10 from 36, 5 from 37, 20 from 19

µL dispensed: 10 from 36, 5 from 37, 20 from 19

-----  

| Repl # | SampleConc µg/L | StndConc µg/L | BlnkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|---------------|-----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      | -0.6762         | -0.6762       | -0.004          | -0.001    | 0.008       | 0.022      | 0.013        | 11:44:09 | No          |

 =====

=====  
 Element: Se Seq. No.: 33 AS Loc.: 20 Date: 10/01/2001

Sample ID: 23833

µL dispensed: 10 from 36, 5 from 37, 20 from 20

µL dispensed: 10 from 36, 5 from 37, 20 from 20

-----  

| Repl # | SampleConc µg/L | StndConc µg/L | BlnkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|---------------|-----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      | -0.5408         | -0.5408       | -0.003          | 0.000     | 0.008       | 0.024      | 0.013        | 11:48:26 | No          |

 =====

=====  
 Element: Se Seq. No.: 34 AS Loc.: 21 Date: 10/01/2001

Sample ID: 23834

µL dispensed: 10 from 36, 5 from 37, 20 from 21

µL dispensed: 10 from 36, 5 from 37, 20 from 21

-----  

| Repl # | SampleConc µg/L | StndConc µg/L | BlnkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|---------------|-----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      | -0.7384         | -0.7384       | -0.004          | -0.002    | 0.010       | 0.025      | 0.015        | 11:52:39 | No          |

 =====

=====  
 Element: Se Seq. No.: 35 AS Loc.: 22 Date: 10/01/2001

Sample ID: 23835

µL dispensed: 10 from 36, 5 from 37, 20 from 22

µL dispensed: 10 from 36, 5 from 37, 20 from 22

| Repl # | SampleConc µg/L | StndConc µg/L | BlnkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|---------------|-----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      | -0.3548         | -0.3548       | -0.001          | 0.001     | 0.008       | 0.022      | 0.013        | 11:56:52 | No          |

=====  
 Element: Se Seq. No.: 36 AS Loc.: 23 Date: 10/01/2001

Sample ID: 23836

µL dispensed: 10 from 36, 5 from 37, 20 from 23

µL dispensed: 10 from 36, 5 from 37, 20 from 23

| Repl # | SampleConc µg/L | StndConc µg/L | BlnkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|---------------|-----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      | -0.2998         | -0.2998       | -0.001          | 0.002     | 0.011       | 0.027      | 0.015        | 12:01:04 | No          |

=====  
 Element: Se Seq. No.: 37 AS Loc.: 2 Date: 10/01/2001

Sample ID: IPC

µL dispensed: 10 from 36, 5 from 37, 20 from 2

µL dispensed: 10 from 36, 5 from 37, 20 from 2

| Repl # | SampleConc µg/L | StndConc µg/L | BlnkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|---------------|-----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      | 3.886           | 3.886         | 0.031           | 0.033     | 0.040       | 0.023      | 0.016        | 12:05:17 | No          |

QC out of limits. QC will be repeated based on Retry setting.

=====  
 Element: Se Seq. No.: 38 AS Loc.: 2 Date: 10/01/2001

Sample ID: IPC

µL dispensed: 10 from 36, 5 from 37, 20 from 2

µL dispensed: 10 from 36, 5 from 37, 20 from 2

| Repl # | SampleConc µg/L | StndConc µg/L | BlnkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|---------------|-----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      | 4.429           | 4.429         | 0.035           | 0.037     | 0.041       | 0.025      | 0.020        | 12:09:29 | No          |

QC out of limits. Current analytical sequence continued.

=====  
 Element: Se Seq. No.: 39 AS Loc.: 3 Date: 10/01/2001

Sample ID: CB

µL dispensed: 10 from 36, 5 from 37, 20 from 3

µL dispensed: 10 from 36, 5 from 37, 20 from 3

| Repl # | SampleConc µg/L | StndConc µg/L | BlnkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|---------------|-----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      | -0.2373         | -0.2373       | -0.001          | 0.002     | 0.010       | 0.012      | 0.011        | 12:13:41 | No          |

=====  
 Element: Se Seq. No.: 40 AS Loc.: 24 Date: 10/01/2001

Sample ID: 23837

µL dispensed: 10 from 36, 5 from 37, 20 from 24

µL dispensed: 10 from 36, 5 from 37, 20 from 24

| Repl # | SampleConc µg/L | StndConc µg/L | BlnkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|---------------|-----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      | 0.3014          | 0.3014        | 0.004           | 0.006     | 0.011       | 0.025      | 0.013        | 12:17:56 | No          |

=====

Element: Se Seq. No.: 41 AS Loc.: 25 Date: 10/01/2001

Sample ID: 23838

µL dispensed: 10 from 36, 5 from 37, 20 from 25

µL dispensed: 10 from 36, 5 from 37, 20 from 25

| Repl # | SampleConc µg/L | StndConc µg/L | BlnkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|---------------|-----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      | 0.0577          | 0.0577        | 0.002           | 0.004     | 0.009       | 0.026      | 0.015        | 12:22:12 | No          |

=====

Element: Se Seq. No.: 42 AS Loc.: 26 Date: 10/01/2001

Sample ID: 23839

µL dispensed: 10 from 36, 5 from 37, 20 from 26

µL dispensed: 10 from 36, 5 from 37, 20 from 26

| Repl # | SampleConc µg/L | StndConc µg/L | BlnkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|---------------|-----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      | -0.1382         | -0.1382       | 0.000           | 0.003     | 0.011       | 0.025      | 0.013        | 12:26:33 | No          |

=====

Element: Se Seq. No.: 43 AS Loc.: 26 Date: 10/01/2001

Sample ID: 23839

µL dispensed: 5 from 37, 20 from 26, 10 from 38

µL dispensed: 5 from 37, 20 from 26, 10 from 38

| Repl # | SampleConc µg/L | StndConc µg/L | BlnkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|---------------|-----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      | 4.251           | 4.251         | 0.033           | 0.036     | 0.052       | 0.034      | 0.026        | 12:30:47 | No          |

Recovery is 85.0%

=====

Element: Se Seq. No.: 44 AS Loc.: 27 Date: 10/01/2001

Sample ID: 23900

µL dispensed: 10 from 36, 5 from 37, 20 from 27

µL dispensed: 10 from 36, 5 from 37, 20 from 27

| Repl # | SampleConc µg/L | StndConc µg/L | BlnkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|---------------|-----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      | -0.5136         | -0.5136       | -0.003          | 0.000     | 0.010       | 0.028      | 0.016        | 12:35:11 | No          |

=====

Element: Se Seq. No.: 45 AS Loc.: 28 Date: 10/01/2001

Sample ID: 23900dup

µL dispensed: 10 from 36, 5 from 37, 20 from 28

µL dispensed: 10 from 36, 5 from 37, 20 from 28

| Repl # | SampleConc µg/L | StndConc µg/L | BlnkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|---------------|-----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      | -0.1350         | -0.1350       | 0.000           | 0.003     | 0.013       | 0.026      | 0.015        | 12:39:38 | No          |

=====

Element: Se Seq. No.: 46 AS Loc.: 29 Date: 10/01/2001

Sample ID: 23901

µL dispensed: 10 from 36, 5 from 37, 20 from 29

µL dispensed: 10 from 36, 5 from 37, 20 from 29

| Repl # | SampleConc µg/L | StndConc µg/L | BlnkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|---------------|-----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      | -0.1993         | -0.1993       | 0.000           | 0.002     | 0.009       | 0.026      | 0.015        | 12:44:05 | No          |

=====  
 Element: Se Seq. No.: 47 AS Loc.: 30 Date: 10/01/2001

Sample ID: 23902

µL dispensed: 10 from 36, 5 from 37, 20 from 30

µL dispensed: 10 from 36, 5 from 37, 20 from 30

| Repl # | SampleConc µg/L | StndConc µg/L | BlkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|---------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      | -0.4777         | -0.4777       | -0.002         | 0.000     | 0.009       | 0.026      | 0.014        | 12:48:36 | No          |

=====  
 Element: Se Seq. No.: 48 AS Loc.: 31 Date: 10/01/2001

Sample ID: 23903

µL dispensed: 10 from 36, 5 from 37, 20 from 31

µL dispensed: 10 from 36, 5 from 37, 20 from 31

| Repl # | SampleConc µg/L | StndConc µg/L | BlkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|---------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      | -0.1905         | -0.1905       | 0.000          | 0.003     | 0.008       | 0.024      | 0.013        | 12:53:06 | No          |

=====  
 Element: Se Seq. No.: 49 AS Loc.: 32 Date: 10/01/2001

Sample ID: 23904

µL dispensed: 10 from 36, 5 from 37, 20 from 32

µL dispensed: 10 from 36, 5 from 37, 20 from 32

| Repl # | SampleConc µg/L | StndConc µg/L | BlkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|---------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      | -0.4822         | -0.4822       | -0.002         | 0.000     | 0.008       | 0.027      | 0.015        | 12:57:33 | No          |

=====  
 Element: Se Seq. No.: 50 AS Loc.: 2 Date: 10/01/2001

Sample ID: IPC

µL dispensed: 10 from 36, 5 from 37, 20 from 2

µL dispensed: 10 from 36, 5 from 37, 20 from 2

| Repl # | SampleConc µg/L | StndConc µg/L | BlkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|---------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      | 4.214           | 4.214         | 0.033          | 0.036     | 0.039       | 0.026      | 0.019        | 13:01:48 | No          |

QC out of limits. QC will be repeated based on Retry setting.

=====  
 Element: Se Seq. No.: 51 AS Loc.: 2 Date: 10/01/2001

Sample ID: IPC

µL dispensed: 10 from 36, 5 from 37, 20 from 2

µL dispensed: 10 from 36, 5 from 37, 20 from 2

| Repl # | SampleConc µg/L | StndConc µg/L | BlkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|---------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      | 4.631           | 4.631         | 0.036          | 0.039     | 0.043       | 0.025      | 0.019        | 13:06:03 | No          |

QC value within specified limits.

=====  
 Element: Se Seq. No.: 52 AS Loc.: 3 Date: 10/01/2001

Sample ID: CB

µL dispensed: 10 from 36, 5 from 37, 20 from 3

µL dispensed: 10 from 36, 5 from 37, 20 from 3

| Repl # | SampleConc µg/L | StndConc µg/L | BlkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|---------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      | -0.5310         | -0.5310       | -0.003         | 0.000     | 0.009       | 0.011      | 0.012        | 13:10:17 | No          |

=====  
 Element: Se Seq. No.: 53 AS Loc.: 33 Date: 10/01/2001

Sample ID: 23905

µL dispensed: 10 from 36, 5 from 37, 20 from 33

µL dispensed: 10 from 36, 5 from 37, 20 from 33

| Repl # | SampleConc µg/L | StndConc µg/L | Blncorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|---------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      | -0.4139         | -0.4139       | -0.002         | 0.001     | 0.009       | 0.025      | 0.013        | 13:14:36 | No          |

=====  
 Element: Se Seq. No.: 54 AS Loc.: 34 Date: 10/01/2001

Sample ID: 23909

µL dispensed: 10 from 36, 5 from 37, 20 from 34

µL dispensed: 10 from 36, 5 from 37, 20 from 34

| Repl # | SampleConc µg/L | StndConc µg/L | Blncorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|---------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      | 0.3004          | -0.3004       | -0.001         | 0.002     | 0.009       | 0.027      | 0.014        | 13:18:57 | No          |

=====  
 Element: Se Seq. No.: 55 AS Loc.: 35 Date: 10/01/2001

Sample ID: 23910

µL dispensed: 10 from 36, 5 from 37, 20 from 35

µL dispensed: 10 from 36, 5 from 37, 20 from 35

| Repl # | SampleConc µg/L | StndConc µg/L | Blncorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|---------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      | -0.3028         | -0.3028       | -0.001         | 0.002     | 0.011       | 0.024      | 0.014        | 13:23:14 | No          |

=====  
 Element: Se Seq. No.: 56 AS Loc.: 2 Date: 10/01/2001

Sample ID: IPC

µL dispensed: 10 from 36, 5 from 37, 20 from 2

µL dispensed: 10 from 36, 5 from 37, 20 from 2

| Repl # | SampleConc µg/L | StndConc µg/L | Blncorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|---------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      | 4.429           | 4.429         | 0.035          | 0.037     | 0.044       | 0.024      | 0.018        | 13:27:27 | No          |

QC out of limits. QC will be repeated based on Retry setting.

=====  
 Element: Se Seq. No.: 57 AS Loc.: 2 Date: 10/01/2001

Sample ID: IPC

µL dispensed: 10 from 36, 5 from 37, 20 from 2

µL dispensed: 10 from 36, 5 from 37, 20 from 2

| Repl # | SampleConc µg/L | StndConc µg/L | Blncorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|---------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      | 4.958           | 4.958         | 0.039          | 0.041     | 0.047       | 0.023      | 0.018        | 13:31:41 | No          |

QC value within specified limits.

=====  
 Element: Se Seq. No.: 58 AS Loc.: 3 Date: 10/01/2001

Sample ID: CB

µL dispensed: 10 from 36, 5 from 37, 20 from 3

µL dispensed: 10 from 36, 5 from 37, 20 from 3

| Repl # | SampleConc µg/L | StndConc µg/L | Blncorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|---------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      | 0.0159          | 0.0159        | 0.001          | 0.004     | 0.007       | 0.054      | 0.137        | 13:35:53 | No          |

Method Name: SeHGA Element: Se  
 Method Description: Sehga SM3113 B

Date: 10/01/2001  
 Technique: Furnace Calibration Equation: Calc. Intercept: Linear  
 Wavelength: 196.0 nm Slit Width: 2.00 nm  
 Lamp Current: 0 Energy: 60  
 Sample Info File: Untitled Results Data Set:

Element: Se Seq. No.: 59 AS Loc.: 36 Date: 10/01/2001  
 Sample ID: Calib Blank  
 µL dispensed: 10 from 36, 5 from 37, 20 from 36

| Repl # | SampleConc µg/L | StdConc µg/L | BlkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|--------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      |                 |              | -0.002         | 0.001     | 0.009       | 0.017      | 0.015        | 14:27:15 | No          |

Auto-zero performed.

Element: Se Seq. No.: 60 AS Loc.: 38 Date: 10/01/2001  
 Sample ID: S5  
 µL dispensed: 25 from 36, 5 from 37, 5 from 38

| Repl # | SampleConc µg/L | StdConc µg/L | BlkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|--------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      |                 |              | 0.021          | 0.022     | 0.031       | 0.016      | 0.013        | 14:29:53 | No          |

Standard number 1 applied. [5.00]  
 Correlation Coefficient: 1.0000 Slope: 0.0042

Element: Se Seq. No.: 61 AS Loc.: 38 Date: 10/01/2001  
 Sample ID: S10  
 µL dispensed: 20 from 36, 5 from 37, 10 from 38

| Repl # | SampleConc µg/L | StdConc µg/L | BlkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|--------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      |                 |              | 0.041          | 0.041     | 0.050       | 0.022      | 0.020        | 14:32:35 | No          |

Standard number 2 applied. [10.00]  
 Correlation Coefficient: 0.9999 Slope: 0.0041

Element: Se Seq. No.: 62 AS Loc.: 38 Date: 10/01/2001  
 Sample ID: S15  
 µL dispensed: 15 from 36, 5 from 37, 15 from 38

| Repl # | SampleConc µg/L | StdConc µg/L | BlkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|--------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      |                 |              | 0.056          | 0.057     | 0.072       | 0.029      | 0.026        | 14:35:18 | No          |

Standard number 3 applied. [15.00]  
 Correlation Coefficient: 0.9979 Slope: 0.0038

=====

Element: Se Seq. No.: 63 AS Loc.: 38 Date: 10/01/2001

Sample ID: S20

µL dispensed: 10 from 36, 5 from 37, 20 from 38

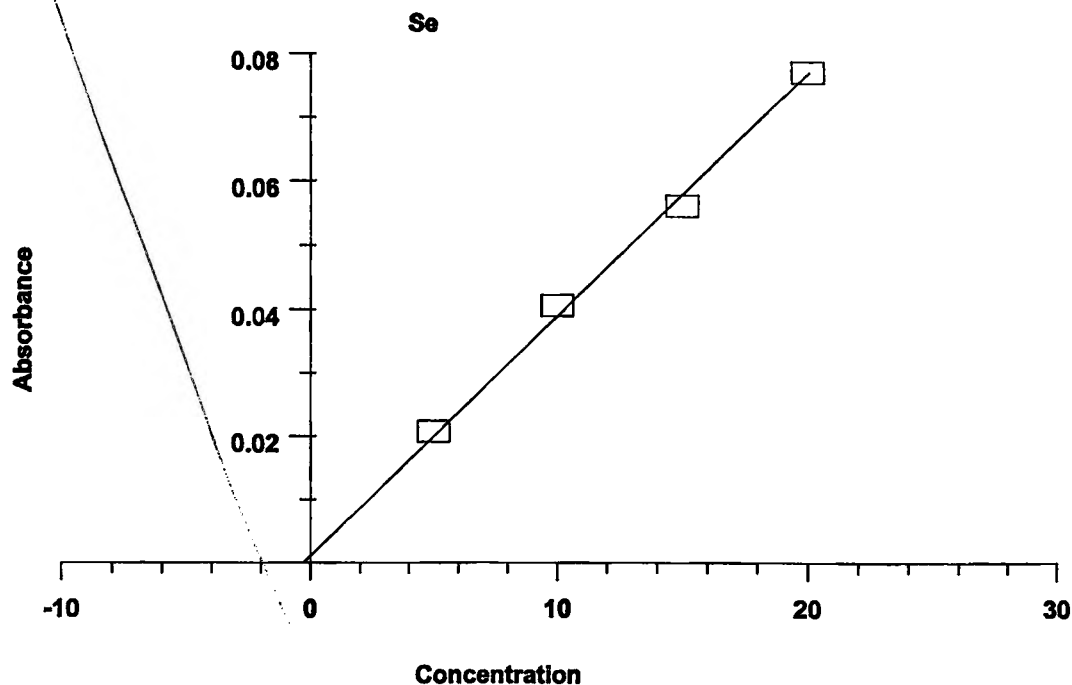
-----

| Repl # | Sample Conc µg/L | Std Conc µg/L | Blank Corr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|------------------|---------------|-------------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      |                  |               | 0.077             | 0.078     | 0.096       | 0.033      | 0.034        | 14:38:01 | No          |

Standard number 4 applied. [20.00]

Correlation Coefficient: 0.9989

Slope: 0.0038



-----

Calibration data for Se

| Standard ID | Mean Signal (Pk Area) | Entered Concentration (µg/L) | Calculated Concentration (µg/L) | Standard Deviation | %RSD |
|-------------|-----------------------|------------------------------|---------------------------------|--------------------|------|
| Calib Blank | 0.000                 | ----                         | -0.2714                         | ----               | ---- |
| S5          | 0.021                 | 5.00                         | 5.219                           | ----               | ---- |
| S10         | 0.041                 | 10.00                        | 10.44                           | ----               | ---- |
| S15         | 0.056                 | 15.00                        | 14.54                           | ----               | ---- |
| S20         | 0.077                 | 20.00                        | 20.07                           | ----               | ---- |

Correlation Coefficient: 0.99894 Slope: 0.00379 Intercept: 0.001

-----

Method Name: SeHGA Element: Se  
 Method Description: Sehga SM3113 B

Date: 10/01/2001

Technique: Furnace

Wavelength: 196.0 nm

Lamp Current: 0

Sample Info File: Untitled

Calibration Equation: Calc. Intercept: Meth. of Add.

Slit Width: 2.00 nm

Energy: 60

Results Data Set:

Element: Se Seq. No.: 64 AS Loc.: 36 Date: 10/01/2001

Sample ID: Calib Blank

μL dispensed: 20 from 36, 5 from 37, 20 from 36

| Repl # | SampleConc μg/L | StdConc μg/L | BlkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|--------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      |                 |              | 0.005          | 0.005     | 0.009       | 0.011      | 0.009        | 14:50:35 | No          |

Auto-zero performed.

Element: Se Seq. No.: 65 AS Loc.: 6 Date: 10/01/2001

Sample ID: 21654

μL dispensed: 20 from 36, 5 from 37, 20 from 6

| Repl # | SampleConc μg/L | StdConc μg/L | BlkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|--------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      |                 |              | 0.009          | 0.015     | 0.018       | 0.036      | 0.021        | 14:53:11 | No          |

Element: Se Seq. No.: 66 AS Loc.: 38 Date: 10/01/2001

Sample ID: S5

μL dispensed: 15 from 36, 5 from 37, 20 from 6, 5 from 38

| Repl # | SampleConc μg/L | StdConc μg/L | BlkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|--------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      |                 |              | 0.019          | 0.025     | 0.032       | 0.036      | 0.025        | 14:55:58 | No          |

Addition number 1 applied. [5.00]

Correlation Coefficient: 1.0000

Slope: 0.0020

Element: Se Seq. No.: 67 AS Loc.: 38 Date: 10/01/2001

Sample ID: S10

μL dispensed: 10 from 36, 5 from 37, 20 from 6, 10 from 38

| Repl # | SampleConc μg/L | StdConc μg/L | BlkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|--------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      |                 |              | 0.029          | 0.034     | 0.045       | 0.043      | 0.030        | 14:58:48 | No          |

Addition number 2 applied. [10.00]

Correlation Coefficient: 0.9999

Slope: 0.0020

Element: Se Seq. No.: 68 AS Loc.: 38 Date: 10/01/2001

Sample ID: S15

μL dispensed: 5 from 36, 5 from 37, 20 from 6, 15 from 38

| Repl # | SampleConc μg/L | StdConc μg/L | BlkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|--------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      |                 |              | 0.051          | 0.057     | 0.061       | 0.048      | 0.035        | 15:01:36 | No          |

Addition number 3 applied. [15.00]

Correlation Coefficient: 0.9761

Slope: 0.0027

=====

Element: Se Seq. No.: 69 AS Loc.: 38 Date: 10/01/2001

Sample ID: S20

µL dispensed: 5 from 37, 20 from 6, 20 from 38

-----

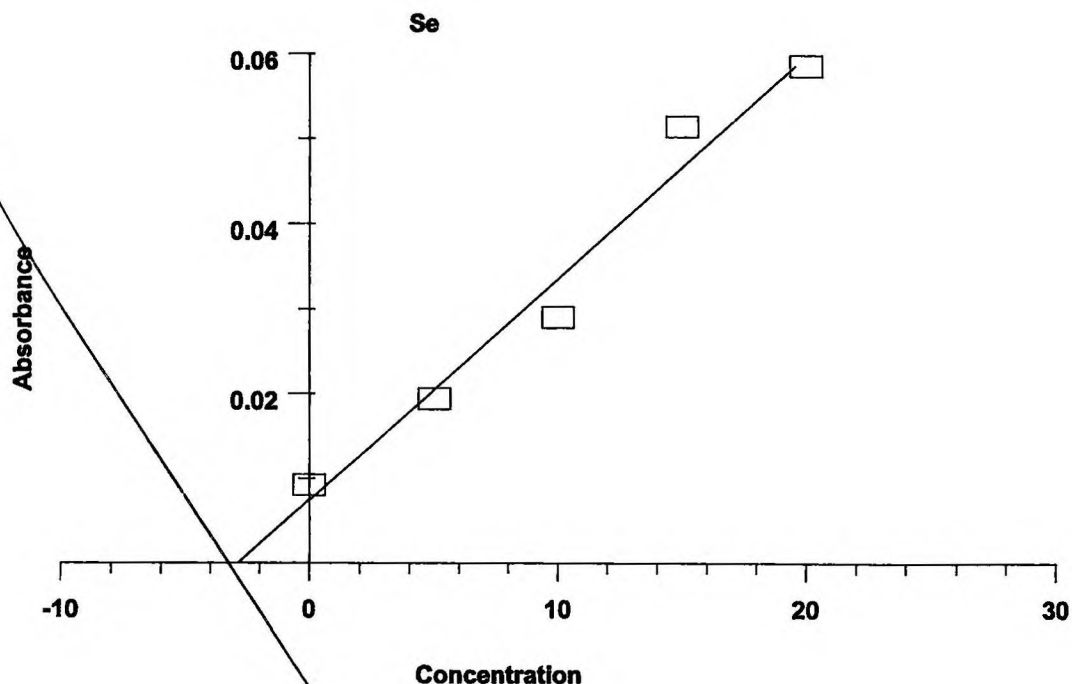
| Repl # | SampleConc µg/L | StndConc µg/L | BlkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|---------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      |                 |               | 0.059          | 0.064     | 0.074       | 0.051      | 0.039        | 15:04:15 | No          |

The calibration curve may not be linear.

Addition number 4 applied. [20.00]

Correlation Coefficient: 0.9860

Slope: 0.0026



-----

Calibration data for Se

| Standard ID | Mean Signal (Pk Area) | Entered Concentration (µg/L) | Calculated Concentration (µg/L) | Standard Deviation | %RSD |
|-------------|-----------------------|------------------------------|---------------------------------|--------------------|------|
| Calib Blank | 0.000                 | ----                         | -3.527                          | ----               | ---- |
| S5          | 0.019                 | 5.00                         | 3.890                           | ----               | ---- |
| S10         | 0.029                 | 10.00                        | 7.579                           | ----               | ---- |
| S15         | 0.051                 | 15.00                        | 16.13                           | ----               | ---- |
| S20         | 0.059                 | 20.00                        | 18.88                           | ----               | ---- |

Correlation Coefficient: 0.98601 Slope: 0.00261 Intercept: 0.007

[Se] Sample Concentration 2.823 µg/L

[Se] Sample Concentration 112.9 µg/L

The calibration curve has been edited.

=====  
 Element: Se Seq. No.: 70 AS Loc.: 38 Date: 10/01/2001  
 Sample ID: S10  
 µL dispensed: 10 from 36, 5 from 37, 20 from 6, 10 from 38  
 =====

| Repl # | SampleConc µg/L | StndConc µg/L | BlkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|---------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      |                 |               | 0.032          | 0.037     | 0.045       | 0.045      | 0.032        | 15:14:17 | No          |

Addition number 2 applied. [10.00]  
 Correlation Coefficient: 0.9982 Slope: 0.0025  
 [Se] Sample Concentration 3.166 µg/L  
 [Se] Sample Concentration 126.7 µg/L

=====  
 Element: Se Seq. No.: 71 AS Loc.: 38 Date: 10/01/2001  
 Sample ID: S15  
 µL dispensed: 5 from 36, 5 from 37, 20 from 6, 15 from 38  
 =====

| Repl # | SampleConc µg/L | StndConc µg/L | BlkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|---------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      |                 |               | 0.042          | 0.047     | 0.056       | 0.050      | 0.036        | 15:17:07 | No          |

Addition number 3 applied. [15.00]  
 Correlation Coefficient: 0.9953 Slope: 0.0024  
 [Se] Sample Concentration 3.260 µg/L  
 [Se] Sample Concentration 130.4 µg/L  
 The calibration curve has been edited.

820

$$r = .9993$$

$$x = 4.117 *$$

$$21654(1.40) = 164.7$$

The calibration curve has been edited.

=====  
 Element: Se Seq. No.: 72 AS Loc.: 36 Date: 10/01/2001  
 Sample ID: Calib Blank  
 µL dispensed: 20 from 36, 5 from 37, 20 from 36  
 =====

| Repl # | SampleConc µg/L | StndConc µg/L | BlkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|---------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      |                 |               | 0.002          | 0.007     | 0.012       | 0.010      | 0.011        | 15:22:41 | No          |

Auto-zero performed.

=====  
 Element: Se Seq. No.: 73 AS Loc.: 7 Date: 10/01/2001  
 Sample ID: 21660  
 µL dispensed: 20 from 36, 5 from 37, 20 from 7  
 =====

| Repl # | SampleConc µg/L | StndConc µg/L | BlkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|---------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      |                 |               | -0.006         | 0.001     | 0.010       | 0.014      | 0.009        | 15:25:17 | No          |

=====  
 Element: Se Seq. No.: 74 AS Loc.: 38 Date: 10/01/2001  
 Sample ID: S5  
 µL dispensed: 15 from 36, 5 from 37, 20 from 7, 5 from 38  
 =====

| Repl # | SampleConc µg/L | StndConc µg/L | BlkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|---------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      |                 |               | 0.014          | 0.021     | 0.030       | 0.019      | 0.016        | 15:28:05 | No          |

Addition number 1 applied. [5.00]

Correlation Coefficient: 1.0000

Slope: 0.0028

=====  
 Element: Se Seq. No.: 75 AS Loc.: 38 Date: 10/01/2001  
 Sample ID: S10  
 µL dispensed: 10 from 36, 5 from 37, 20 from 7, 10 from 38  
 =====

| Repl # | SampleConc µg/L | StndConc µg/L | BlkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|---------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      |                 |               | 0.030          | 0.037     | 0.049       | 0.022      | 0.019        | 15:30:54 | No          |

Addition number 2 applied. [10.00]

Correlation Coefficient: 0.9995

Slope: 0.0030

=====  
 Element: Se Seq. No.: 76 AS Loc.: 38 Date: 10/01/2001  
 Sample ID: S15  
 µL dispensed: 5 from 36, 5 from 37, 20 from 7, 15 from 38  
 =====

| Repl # | SampleConc µg/L | StndConc µg/L | BlkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|---------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      |                 |               | 0.047          | 0.054     | 0.072       | 0.030      | 0.025        | 15:33:43 | No          |

Addition number 3 applied. [15.00]

Correlation Coefficient: 0.9994

Slope: 0.0031

=====

Element: Se Seq. No.: 77 AS Loc.: 38 Date: 10/01/2001

Sample ID: S20

µL dispensed: 5 from 37, 20 from 7, 20 from 38

-----

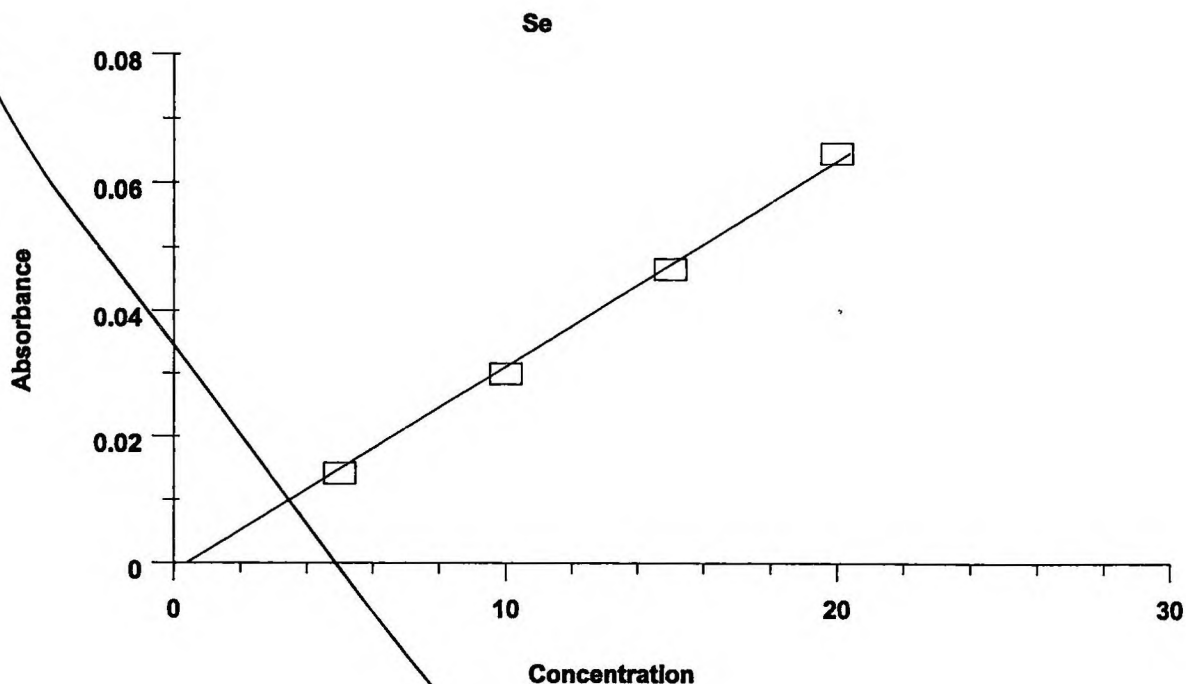
| Repl # | SampleConc µg/L | StndConc µg/L | BlkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|---------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      |                 |               | 0.065          | 0.072     | 0.087       | 0.034      | 0.031        | 15:36:22 | No          |

The calibration curve may not be linear.

Addition number 4 applied. [20.00]

Correlation Coefficient: 0.9990

Slope: 0.0032



-----

Calibration data for Se

| Standard ID | Mean Signal (Pk Area) | Entered Concentration (µg/L) | Calculated Concentration (µg/L) | Standard Deviation | %RSD |
|-------------|-----------------------|------------------------------|---------------------------------|--------------------|------|
| Calib Blank | 0.000                 | ----                         | 1.875                           | ----               | ---- |
| S5          | 0.014                 | 5.00                         | 6.264                           | ----               | ---- |
| S10         | 0.030                 | 10.00                        | 11.14                           | ----               | ---- |
| S15         | 0.047                 | 15.00                        | 16.28                           | ----               | ---- |
| S20         | 0.065                 | 20.00                        | 21.87                           | ----               | ---- |

Correlation Coefficient: 0.99898 Slope: 0.00323 Intercept: -0.001

[Se] Sample Concentration -2.265 µg/L

[Se] Sample Concentration -22.65 µg/L

<

=====  
 Element: Se Seq. No.: 78 AS Loc.: 36 Date: 10/01/2001  
 Sample ID: Calib Blank  
 µL dispensed: 20 from 36, 5 from 37, 20 from 36

| Repl # | SampleConc µg/L | StndConc µg/L | BlkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|---------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      |                 |               | -0.006         | 0.001     | 0.010       | 0.014      | 0.009        | 15:40:07 | No          |

Auto-zero performed.

=====  
 Element: Se Seq. No.: 79 AS Loc.: 8 Date: 10/01/2001  
 Sample ID: 21661  
 µL dispensed: 20 from 36, 5 from 37, 20 from 8

| Repl # | SampleConc µg/L | StndConc µg/L | BlkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|---------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      |                 |               | 0.006          | 0.007     | 0.010       | 0.009      | 0.011        | 15:42:44 | No          |

=====  
 Element: Se Seq. No.: 80 AS Loc.: 38 Date: 10/01/2001  
 Sample ID: S5  
 µL dispensed: 15 from 36, 5 from 37, 20 from 8, 5 from 38

| Repl # | SampleConc µg/L | StndConc µg/L | BlkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|---------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      |                 |               | 0.020          | 0.021     | 0.029       | 0.018      | 0.013        | 15:45:34 | No          |

Addition number 1 applied. [5.00]  
 Correlation Coefficient: 1.0000 Slope: 0.0028

=====  
 Element: Se Seq. No.: 81 AS Loc.: 38 Date: 10/01/2001  
 Sample ID: S10  
 µL dispensed: 10 from 36, 5 from 37, 20 from 8, 10 from 38

| Repl # | SampleConc µg/L | StndConc µg/L | BlkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|---------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      |                 |               | 0.038          | 0.039     | 0.046       | 0.026      | 0.017        | 15:48:22 | No          |

Addition number 2 applied. [10.00]  
 Correlation Coefficient: 0.9973 Slope: 0.0032

=====  
 Element: Se Seq. No.: 82 AS Loc.: 38 Date: 10/01/2001  
 Sample ID: S15  
 µL dispensed: 5 from 36, 5 from 37, 20 from 8, 15 from 38

| Repl # | SampleConc µg/L | StndConc µg/L | BlkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|---------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      |                 |               | 0.058          | 0.059     | 0.065       | 0.031      | 0.025        | 15:51:10 | No          |

Addition number 3 applied. [15.00]  
 Correlation Coefficient: 0.9962 Slope: 0.0035

=====

Element: Se Seq. No.: 83 AS Loc.: 38 Date: 10/01/2001

Sample ID: S20

µL dispensed: 5 from 37, 20 from 8, 20 from 38

-----

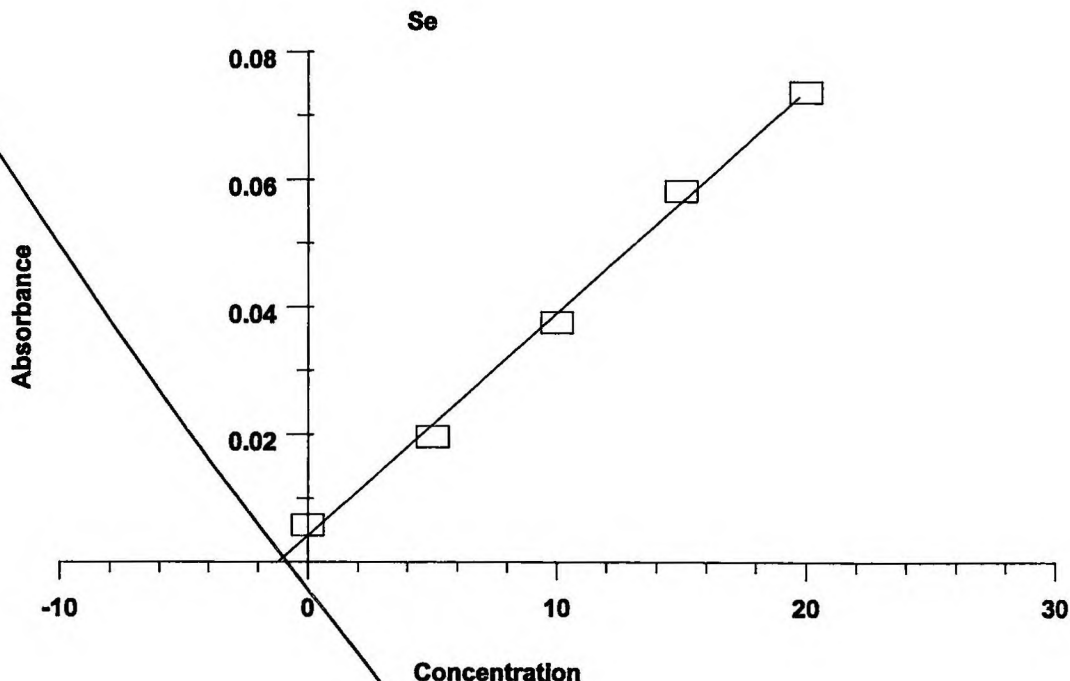
| Repl # | SampleConc µg/L | StndConc µg/L | BlkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|---------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      |                 |               | 0.074          | 0.075     | 0.082       | 0.034      | 0.029        | 15:53:49 | No          |

The calibration curve may not be linear.

Addition number 4 applied. [20.00]

Correlation Coefficient: 0.9981

Slope: 0.0035



-----

Calibration data for Se

| Standard ID | Mean Signal (Pk Area) | Entered Concentration (µg/L) | Calculated Concentration (µg/L) | Standard Deviation | %RSD |
|-------------|-----------------------|------------------------------|---------------------------------|--------------------|------|
| Calib Blank | 0.000                 | ----                         | -1.665                          | ----               | ---- |
| S5          | 0.020                 | 5.00                         | 3.970                           | ----               | ---- |
| S10         | 0.038                 | 10.00                        | 9.107                           | ----               | ---- |
| S15         | 0.058                 | 15.00                        | 15.04                           | ----               | ---- |
| S20         | 0.074                 | 20.00                        | 19.47                           | ----               | ---- |

Correlation Coefficient: 0.99806 Slope: 0.00349 Intercept: 0.004

[Se] Sample Concentration 1.181 µg/L

[Se] Sample Concentration 11.81 µg/L

=====  
 Element: Se Seq. No.: 84 AS Loc.: 36 Date: 10/01/2001

Sample ID: Calib Blank

µL dispensed: 20 from 36, 5 from 37, 20 from 36

| Repl # | SampleConc µg/L | StdConc µg/L | BlkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|--------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      |                 |              | 0.002          | 0.003     | 0.011       | 0.011      | 0.011        | 15:57:02 | No          |

Auto-zero performed.

=====  
 Element: Se Seq. No.: 85 AS Loc.: 9 Date: 10/01/2001

Sample ID: 21662

µL dispensed: 20 from 36, 5 from 37, 20 from 9

| Repl # | SampleConc µg/L | StdConc µg/L | BlkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|--------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      |                 |              | 0.004          | 0.007     | 0.013       | 0.020      | 0.016        | 15:59:40 | No          |

=====  
 Element: Se Seq. No.: 86 AS Loc.: 38 Date: 10/01/2001

Sample ID: S5

µL dispensed: 15 from 36, 5 from 37, 20 from 9, 5 from 38

| Repl # | SampleConc µg/L | StdConc µg/L | BlkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|--------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      |                 |              | 0.022          | 0.026     | 0.031       | 0.026      | 0.019        | 16:02:30 | No          |

Addition number 1 applied. [5.00]

Correlation Coefficient: 1.0000

Slope: 0.0037

=====  
 Element: Se Seq. No.: 87 AS Loc.: 38 Date: 10/01/2001

Sample ID: S10

µL dispensed: 10 from 36, 5 from 37, 20 from 9, 10 from 38

| Repl # | SampleConc µg/L | StdConc µg/L | BlkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|--------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      |                 |              | 0.031          | 0.034     | 0.045       | 0.031      | 0.019        | 16:05:20 | No          |

Addition number 2 applied. [10.00]

Correlation Coefficient: 0.9782

Slope: 0.0027

=====  
 Element: Se Seq. No.: 88 AS Loc.: 38 Date: 10/01/2001

Sample ID: S15

µL dispensed: 5 from 36, 5 from 37, 20 from 9, 15 from 38

| Repl # | SampleConc µg/L | StdConc µg/L | BlkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|--------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      |                 |              | 0.043          | 0.047     | 0.062       | 0.034      | 0.027        | 16:08:09 | No          |

Addition number 3 applied. [15.00]

Correlation Coefficient: 0.9886

Slope: 0.0025

Element: Se Seq. No.: 89 AS Loc.: 38 Date: 10/01/2001

Sample ID: S20

µL dispensed: 5 from 37, 20 from 9, 20 from 38

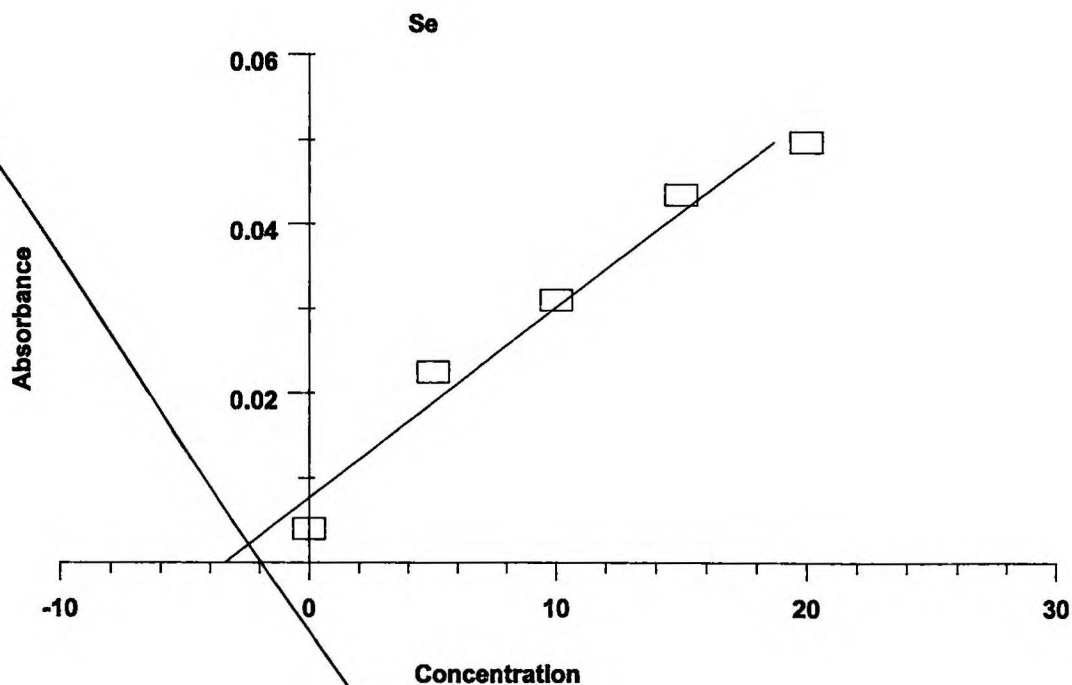
| Repl # | SampleConc µg/L | StndConc µg/L | BlnkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|---------------|-----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      |                 |               | 0.050           | 0.053     | 0.071       | 0.037      | 0.030        | 16:10:48 | No          |

The calibration curve may not be linear.

Addition number 4 applied. [20.00]

Correlation Coefficient: 0.9847

Slope: 0.0022



Calibration data for Se

| Standard ID | Mean Signal (Pk Area) | Entered Concentration (µg/L) | Calculated Concentration (µg/L) | Standard Deviation | %RSD |
|-------------|-----------------------|------------------------------|---------------------------------|--------------------|------|
| Calib Blank | 0.000                 | ----                         | -1.778                          | ----               | ---- |
| S5          | 0.022                 | 5.00                         | 8.215                           | ----               | ---- |
| S10         | 0.031                 | 10.00                        | 12.01                           | ----               | ---- |
| S15         | 0.043                 | 15.00                        | 17.54                           | ----               | ---- |
| S20         | 0.050                 | 20.00                        | 20.34                           | ----               | ---- |

Correlation Coefficient: 0.98473 Slope: 0.00225 Intercept: 0.008

[Se] Sample Concentration 3.399 µg/L  
 [Se] Sample Concentration 169.9 µg/L

The calibration curve has been edited.

```

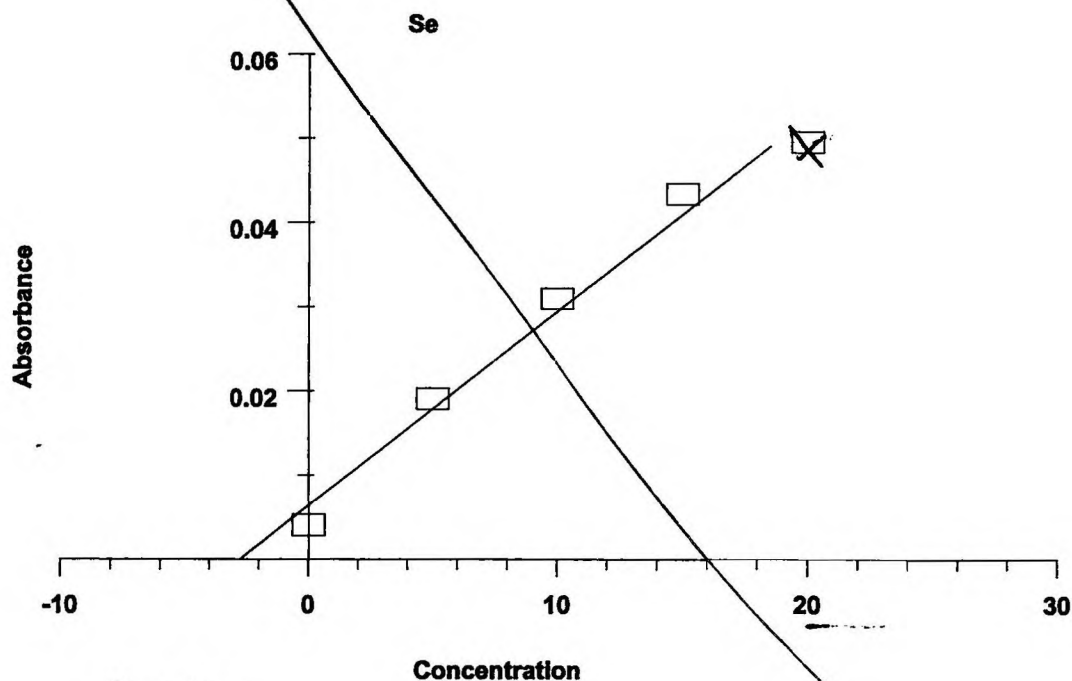
=====
Element: Se      Seq. No.: 90      AS Loc.: 38      Date: 10/01/2001
Sample ID: S5
µL dispensed: 15 from 36, 5 from 37, 20 from 9, 5 from 38
=====
Repl  SampleConc  StndConc  BlnkCorr  Peak    Peak    Bkgnd    Bkgnd    Time    Peak
#      µg/L       µg/L      Signal   Area    Height  Area     Height           Stored
1                                     0.019    0.022    0.033    0.027    0.017 16:18:21 No
Addition number 1 applied. [5.00]
Correlation Coefficient: 0.9985      Slope: 0.0026
[Se] Sample Concentration      1.863 µg/L
[Se] Sample Concentration      93.13 µg/L
=====

```

```

=====
Element: Se      Seq. No.: 91      AS Loc.: 38      Date: 10/01/2001
Sample ID: S20
µL dispensed: 5 from 37, 20 from 9, 20 from 38
=====
Repl  SampleConc  StndConc  BlnkCorr  Peak    Peak    Bkgnd    Bkgnd    Time    Peak
#      µg/L       µg/L      Signal   Area    Height  Area     Height           Stored
1                                     0.050    0.053    0.071    0.035    0.031 16:21:02 No
The calibration curve may not be linear.
Addition number 4 applied. [20.00]
Correlation Coefficient: 0.9913      Slope: 0.0023
[Se] Sample Concentration      2.724 µg/L
[Se] Sample Concentration      136.2 µg/L
=====

```



$r = 0.9986$

$x = 1.863 \times 50 = 93.2$

## Calibration data for Se

| Standard ID                                                            | Mean Signal<br>(Pk Area) | Entered<br>Concentration<br>( $\mu\text{g/L}$ ) | Calculated<br>Concentration<br>( $\mu\text{g/L}$ ) | Standard<br>Deviation | %RSD |
|------------------------------------------------------------------------|--------------------------|-------------------------------------------------|----------------------------------------------------|-----------------------|------|
| Calib Blank                                                            | 0.000                    | ----                                            | -1.728                                             | ----                  | ---- |
| S5                                                                     | 0.019                    | 5.00                                            | 6.525                                              | ----                  | ---- |
| S10                                                                    | 0.031                    | 10.00                                           | 11.67                                              | ----                  | ---- |
| S15                                                                    | 0.043                    | 15.00                                           | 17.04                                              | ----                  | ---- |
| S20                                                                    | 0.050                    | 20.00                                           | 19.74                                              | ----                  | ---- |
| Correlation Coefficient: 0.99131    Slope: 0.00231    Intercept: 0.006 |                          |                                                 |                                                    |                       |      |

The calibration curve has been edited.

=====  
Element: Se    Seq. No.: 92    AS Loc.: 36    Date: 10/01/2001

Sample ID: Calib Blank

$\mu\text{L}$  dispensed: 20 from 36, 5 from 37, 20 from 36

| Repl # | SampleConc<br>$\mu\text{g/L}$ | StdConc<br>$\mu\text{g/L}$ | BlkCorr<br>Signal | Peak<br>Area | Peak<br>Height | Bkgnd<br>Area | Bkgnd<br>Height | Time     | Peak<br>Stored |
|--------|-------------------------------|----------------------------|-------------------|--------------|----------------|---------------|-----------------|----------|----------------|
| 1      |                               |                            | 0.001             | 0.004        | 0.013          | 0.010         | 0.009           | 16:28:48 | No             |

Auto-zero performed.

=====  
Element: Se    Seq. No.: 93    AS Loc.: 10    Date: 10/01/2001

Sample ID: 21663

$\mu\text{L}$  dispensed: 20 from 36, 5 from 37, 20 from 10

| Repl # | SampleConc<br>$\mu\text{g/L}$ | StdConc<br>$\mu\text{g/L}$ | BlkCorr<br>Signal | Peak<br>Area | Peak<br>Height | Bkgnd<br>Area | Bkgnd<br>Height | Time     | Peak<br>Stored |
|--------|-------------------------------|----------------------------|-------------------|--------------|----------------|---------------|-----------------|----------|----------------|
| 1      |                               |                            | -0.002            | 0.002        | 0.008          | 0.013         | 0.008           | 16:31:26 | No             |

=====  
Element: Se    Seq. No.: 94    AS Loc.: 38    Date: 10/01/2001

Sample ID: S5

$\mu\text{L}$  dispensed: 15 from 36, 5 from 37, 20 from 10, 5 from 38

| Repl # | SampleConc<br>$\mu\text{g/L}$ | StdConc<br>$\mu\text{g/L}$ | BlkCorr<br>Signal | Peak<br>Area | Peak<br>Height | Bkgnd<br>Area | Bkgnd<br>Height | Time     | Peak<br>Stored |
|--------|-------------------------------|----------------------------|-------------------|--------------|----------------|---------------|-----------------|----------|----------------|
| 1      |                               |                            | 0.013             | 0.017        | 0.031          | 0.021         | 0.014           | 16:34:19 | No             |

Addition number 1 applied. [5.00]

Correlation Coefficient: 1.0000

Slope: 0.0025

=====  
Element: Se    Seq. No.: 95    AS Loc.: 38    Date: 10/01/2001

Sample ID: S10

$\mu\text{L}$  dispensed: 10 from 36, 5 from 37, 20 from 10, 10 from 38

| Repl # | SampleConc<br>$\mu\text{g/L}$ | StdConc<br>$\mu\text{g/L}$ | BlkCorr<br>Signal | Peak<br>Area | Peak<br>Height | Bkgnd<br>Area | Bkgnd<br>Height | Time     | Peak<br>Stored |
|--------|-------------------------------|----------------------------|-------------------|--------------|----------------|---------------|-----------------|----------|----------------|
| 1      |                               |                            | 0.032             | 0.036        | 0.048          | 0.021         | 0.018           | 16:37:10 | No             |

Addition number 2 applied. [10.00]

Correlation Coefficient: 0.9929

Slope: 0.0032

=====

Element: Se Seq. No.: 96 AS Loc.: 38 Date: 10/01/2001

Sample ID: S15

µL dispensed: 5 from 36, 5 from 37, 20 from 10, 15 from 38

| Repl # | SampleConc µg/L | StdConc µg/L | BlkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|--------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      |                 |              | 0.047          | 0.051     | 0.071       | 0.028      | 0.025        | 16:40:01 | No          |

Addition number 3 applied. [15.00]

Correlation Coefficient: 0.9971

Slope: 0.0032

=====

Element: Se Seq. No.: 97 AS Loc.: 38 Date: 10/01/2001

Sample ID: S20

µL dispensed: 5 from 37, 20 from 10, 20 from 38

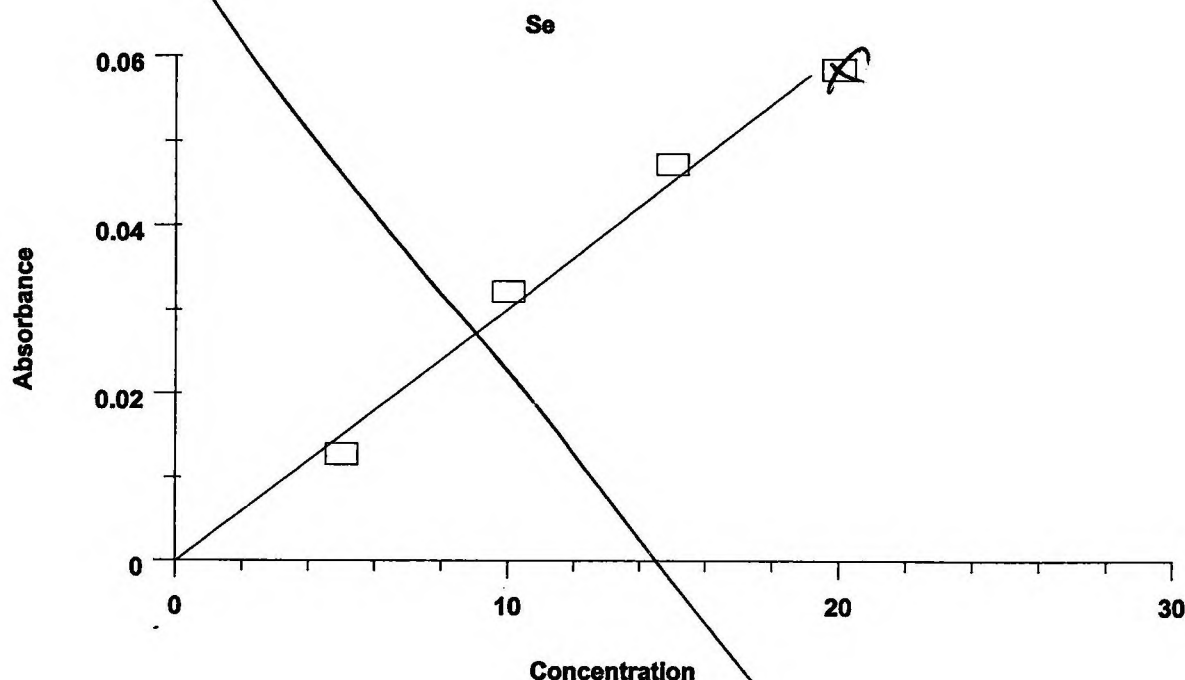
| Repl # | SampleConc µg/L | StdConc µg/L | BlkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time     | Peak Stored |
|--------|-----------------|--------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1      |                 |              | 0.058          | 0.062     | 0.088       | 0.031      | 0.032        | 16:42:42 | No          |

The calibration curve may not be linear.

Addition number 4 applied. [20.00]

Correlation Coefficient: 0.9962

Slope: 0.0030



-----

Calibration data for Se

| Standard ID | Mean Signal (Pk Area) | Entered Concentration (µg/L) | Calculated Concentration (µg/L) | Standard Deviation | %RSD |
|-------------|-----------------------|------------------------------|---------------------------------|--------------------|------|
| Calib Blank | 0.000                 | ----                         | 0.7587                          | ----               | ---- |
| S5          | 0.013                 | 5.00                         | 4.974                           | ----               | ---- |
| S10         | 0.032                 | 10.00                        | 11.40                           | ----               | ---- |
| S15         | 0.047                 | 15.00                        | 16.38                           | ----               | ---- |
| S20         | 0.058                 | 20.00                        | 20.05                           | ----               | ---- |

Correlation Coefficient: 0.99622 Slope: 0.00302 Intercept: 0.000

[Se] Sample Concentration -0.8037 µg/L

[Se] Sample Concentration -16.07 µg/L

$r = 0.9971$

$x = C$

The calibration curve has been edited.

