

Sample Information File Untitled

Description : As Pot 10/2/01
 Batch ID :
 Volume Units :
 Weight Units :
 Analyst :
 Sample Volume : 1.000
 Nominal Weight : 1.000000

DATE ANALYZED 10/2/01
 TIME ANALYZED 9:05
 ANALYST INITIALS MA
 REVIEWED BY [Signature]

AS Sample ID Loc	Sample Sample Weight Units	User Dilution	Remarks
1 QCS			
2 IPC			
3 CB			
4 LFB			
5 LRB			
6 23812			
7 23812dup			
8 23833			
9 23834			
10 23835			
11 23836			
12 23837			
13 23838			
14 23839			
15 23900			
16 23901			
17 23902			
18 23903			
19 23904			
20 23905			
21 23906			
22 23909			
23 23910			
24 23947			
25 23948			

Initial fail

QC 23812 not det

QC Reviewed by,
C/b 11/7/01

QC 23837

QC 23901 not det

QC 23909

QC 23910 not det

Method Name: AsHGA Element: As
Method Description: AsHga SM 3113 B

Date: 10/02/2001
Technique: Furnace Calibration Equation: Calc. Intercept: Linear
Wavelength: 193.7 nm Slit Width: 0.70 nm
Lamp Current: 0 Energy: 62
Sample Info File: Untitled Results Data Set:

Element: As AS Loc.: 36 Date: 10/02/2001
Sample ID: Calib Blank
 μ L dispensed: 10 from 36, 5 from 37, 20 from 36

Repl #	SampleConc μ g/L	StndConc μ g/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1			0.001	0.001	0.020	09:20:44	No

Auto-zero performed.

Element: As AS Loc.: 38 Date: 10/02/2001
Sample ID: S10
 μ L dispensed: 25 from 36, 5 from 37, 5 from 38

Repl #	SampleConc μ g/L	StndConc μ g/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1			0.069	0.070	0.014	09:23:22	No

Standard number 1 applied. [10]

Correlation Coefficient: 1.0000 Slope: 0.0069

Element: As AS Loc.: 38 Date: 10/02/2001
Sample ID: S20
 μ L dispensed: 20 from 36, 5 from 37, 10 from 38

Repl #	SampleConc μ g/L	StndConc μ g/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1			0.122	0.123	0.019	09:26:05	No

Standard number 2 applied. [20]

Correlation Coefficient: 0.9970 Slope: 0.0061

Element: As AS Loc.: 38 Date: 10/02/2001
Sample ID: S30
 μ L dispensed: 15 from 36, 5 from 37, 15 from 38

Repl #	SampleConc μ g/L	StndConc μ g/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1			0.177	0.177	0.025	09:28:47	No

Standard number 3 applied. [30]

Correlation Coefficient: 0.9979 Slope: 0.0058

=====

Element: As AS Loc.: 38 Date: 10/02/2001

Sample ID: S40

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

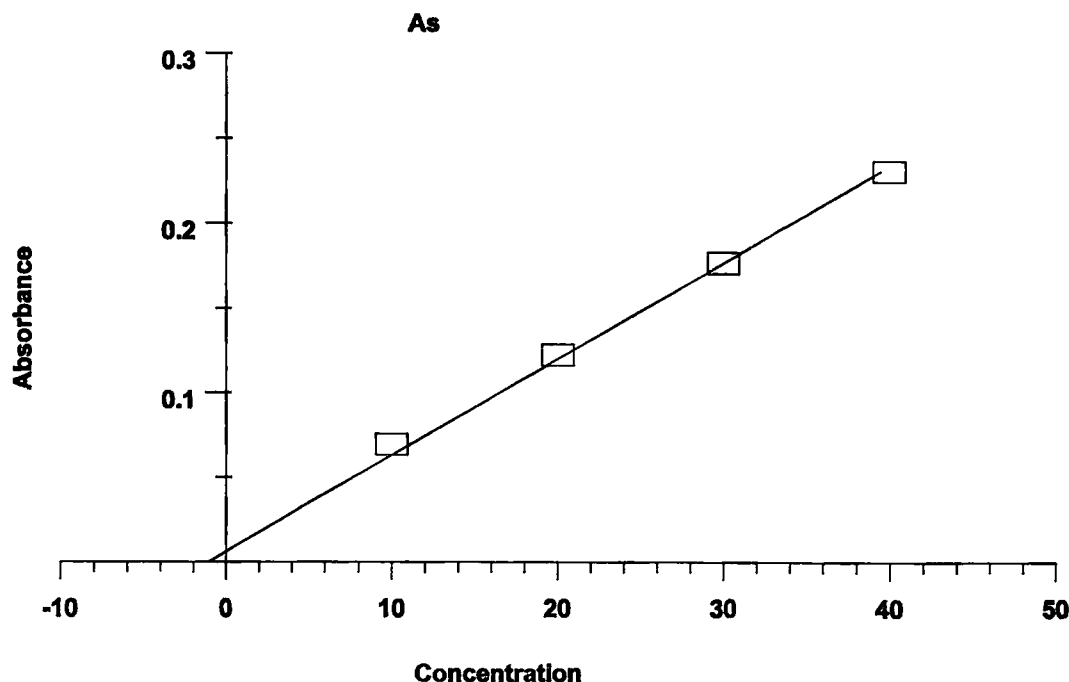
Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1			0.231	0.231	0.027	09:31:30	No

The calibration curve may not be linear.

Standard number 4 applied. [40]

Correlation Coefficient: 0.9986

Slope: 0.0057



Calibration data for As

Standard ID	Mean Signal (Pk Area)	Entered Concentration (µg/L)	Calculated Concentration (µg/L)	Standard Deviation	%RSD
Calib Blank	0.000	----	-1.067	----	----
S10	0.069	10	11.12	----	----
S20	0.122	20	20.44	----	----
S30	0.177	30	30.02	----	----
S40	0.231	40	39.48	----	----

Correlation Coefficient: 0.99857 Slope: 0.00569 Intercept: 0.006

=====
 Element: As AS Loc.: 1 Date: 10/02/2001
 Sample ID: qcs
 µL dispensed: 10 from 36, 5 from 37, 20 from 1

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	8.939	8.939	0.057	0.057	0.017	09:41:13	No

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

=====
 Element: As AS Loc.: 1 Date: 10/02/2001
 Sample ID: qcs
 µL dispensed: 10 from 36, 5 from 37, 20 from 1

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	9.311	9.311	0.059	0.060	0.013	09:43:50	No

QC value within specified limits.

=====
 Element: As AS Loc.: 2 Date: 10/02/2001
 Sample ID: ipc
 µL dispensed: 10 from 36, 5 from 37, 20 from 2

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	18.72	18.72	0.113	0.113	0.018	09:46:27	No

QC value within specified limits.

=====
 Element: As AS Loc.: 3 Date: 10/02/2001
 Sample ID: cb
 µL dispensed: 10 from 36, 5 from 37, 20 from 3

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	-0.867	-0.867	0.001	0.002	0.007	09:49:04	No

=====
 Element: As AS Loc.: 4 Date: 10/02/2001
 Sample ID: lfb
 µL dispensed: 10 from 36, 5 from 37, 20 from 4

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	39.39	39.39	0.230	0.231	0.027	09:51:42	No

QC value within specified limits.

=====
 Element: As AS Loc.: 5 Date: 10/02/2001
 Sample ID: lrb
 µL dispensed: 10 from 36, 5 from 37, 20 from 5

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	-1.119	-1.119	0.000	0.000	0.009	09:54:19	No

=====
 Element: As AS Loc.: 6 Date: 10/02/2001
 Sample ID: 23812
 µL dispensed: 10 from 36, 5 from 37, 20 from 6

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	-0.985	-0.985	0.000	0.001	0.007	09:56:59	No

=====
 Element: As AS Loc.: 6 Date: 10/02/2001
 Sample ID: 23812
 µL dispensed: 5 from 37, 10 from 38, 20 from 6

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	18.39	18.39	0.111	0.111	0.016	09:59:35	No

Recovery is 92.0%

=====
 Element: As AS Loc.: 7 Date: 10/02/2001
 Sample ID: 23812dup
 µL dispensed: 10 from 36, 5 from 37, 20 from 7

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	-0.505	-0.505	0.003	0.004	0.016	10:02:15	No

=====
 Element: As AS Loc.: 8 Date: 10/02/2001
 Sample ID: 23833
 µL dispensed: 10 from 36, 5 from 37, 20 from 8

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	-0.529	-0.529	0.003	0.004	0.009	10:04:57	No

=====
 Element: As AS Loc.: 9 Date: 10/02/2001
 Sample ID: 23834
 µL dispensed: 10 from 36, 5 from 37, 20 from 9

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	-0.550	-0.550	0.003	0.003	0.009	10:07:40	No

=====
 Element: As AS Loc.: 10 Date: 10/02/2001
 Sample ID: 23835
 µL dispensed: 10 from 36, 5 from 37, 20 from 10

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	-0.543	-0.543	0.003	0.003	0.010	10:10:24	No

=====
 Element: As AS Loc.: 11 Date: 10/02/2001
 Sample ID: 23836
 µL dispensed: 10 from 36, 5 from 37, 20 from 11

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	-0.601	-0.601	0.003	0.003	0.010	10:13:10	No

=====
 Element: As AS Loc.: 12 Date: 10/02/2001
 Sample ID: 23837
 µL dispensed: 10 from 36, 5 from 37, 20 from 12

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	-0.882	-0.882	0.001	0.002	0.011	10:15:55	No

=====
 Element: As AS Loc.: 13 Date: 10/02/2001
 Sample ID: 23838
 µL dispensed: 10 from 36, 5 from 37, 20 from 13

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	-0.740	-0.740	0.002	0.002	0.009	10:18:41	No

=====
 Element: As AS Loc.: 14 Date: 10/02/2001
 Sample ID: 23839
 µL dispensed: 10 from 36, 5 from 37, 20 from 14

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	-0.683	-0.683	0.002	0.003	0.008	10:21:27	No

=====
 Element: As AS Loc.: 2 Date: 10/02/2001
 Sample ID: ipc
 µL dispensed: 10 from 36, 5 from 37, 20 from 2

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	19.05	19.05	0.114	0.115	0.017	10:24:08	No

QC value within specified limits.

=====
 Element: As AS Loc.: 3 Date: 10/02/2001
 Sample ID: cb
 µL dispensed: 10 from 36, 5 from 37, 20 from 3

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	-0.957	-0.957	0.001	0.001	0.006	10:26:47	No

=====
 Element: As AS Loc.: 15 Date: 10/02/2001
 Sample ID: 23900
 µL dispensed: 10 from 36, 5 from 37, 20 from 15

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	-0.551	-0.551	0.003	0.003	0.010	10:29:31	No

=====
 Element: As AS Loc.: 16 Date: 10/02/2001
 Sample ID: 23901
 µL dispensed: 10 from 36, 5 from 37, 20 from 16

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	-0.009	-0.009	0.006	0.007	0.007	10:32:14	No

=====
 Element: As AS Loc.: 16 Date: 10/02/2001
 Sample ID: 23901
 µL dispensed: 5 from 37, 10 from 38, 20 from 16

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	19.16	19.16	0.115	0.116	0.016	10:35:00	No

Recovery is 95.8%

=====
 Element: As AS Loc.: 17 Date: 10/02/2001
 Sample ID: 23902
 µL dispensed: 10 from 36, 5 from 37, 20 from 17

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	-0.530	-0.530	0.003	0.004	0.007	10:37:43	No

=====
 Element: As AS Loc.: 18 Date: 10/02/2001
 Sample ID: 23903
 µL dispensed: 10 from 36, 5 from 37, 20 from 18

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	-0.013	-0.013	0.006	0.007	0.007	10:40:25	No

=====
 Element: As AS Loc.: 19 Date: 10/02/2001
 Sample ID: 23904
 µL dispensed: 10 from 36, 5 from 37, 20 from 19

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	-0.734	-0.734	0.002	0.002	0.010	10:43:05	No

=====
Element: As AS Loc.: 20 Date: 10/02/2001
Sample ID: 23905
 μ L dispensed: 10 from 36, 5 from 37, 20 from 20

Repl	SampleConc	StdConc	BlkCorr	Peak	Bkgnd	Time	Peak
#	μ g/L	μ g/L	Signal	Area	Area		Stored
1	-0.689	-0.689	0.002	0.003	0.009	10:45:44	No

=====
Element: As AS Loc.: 21 Date: 10/02/2001
Sample ID: 23906
 μ L dispensed: 10 from 36, 5 from 37, 20 from 21

Repl	SampleConc	StdConc	BlkCorr	Peak	Bkgnd	Time	Peak
#	μ g/L	μ g/L	Signal	Area	Area		Stored
1	-0.408	-0.408	0.004	0.004	0.009	10:48:21	No

=====
Element: As AS Loc.: 22 Date: 10/02/2001
Sample ID: 23909
 μ L dispensed: 10 from 36, 5 from 37, 20 from 22

Repl	SampleConc	StdConc	BlkCorr	Peak	Bkgnd	Time	Peak
#	μ g/L	μ g/L	Signal	Area	Area		Stored
1	-0.535	-0.535	0.003	0.004	0.008	10:50:58	No

=====
Element: As AS Loc.: 23 Date: 10/02/2001
Sample ID: 23910
 μ L dispensed: 10 from 36, 5 from 37, 20 from 23

Repl	SampleConc	StdConc	BlkCorr	Peak	Bkgnd	Time	Peak
#	μ g/L	μ g/L	Signal	Area	Area		Stored
1	-0.601	-0.601	0.003	0.003	0.010	10:53:36	No

=====
Element: As AS Loc.: 2 Date: 10/02/2001
Sample ID: ipc
 μ L dispensed: 10 from 36, 5 from 37, 20 from 2

Repl	SampleConc	StdConc	BlkCorr	Peak	Bkgnd	Time	Peak
#	μ g/L	μ g/L	Signal	Area	Area		Stored
1	19.23	19.23	0.115	0.116	0.015	10:56:15	No

QC value within specified limits.

=====
Element: As AS Loc.: 3 Date: 10/02/2001
Sample ID: cb
 μ L dispensed: 10 from 36, 5 from 37, 20 from 3

Repl	SampleConc	StdConc	BlkCorr	Peak	Bkgnd	Time	Peak
#	μ g/L	μ g/L	Signal	Area	Area		Stored
1	-0.469	-0.469	0.003	0.004	0.005	10:58:52	No

=====
Element: As AS Loc.: 24 Date: 10/02/2001
Sample ID: 23947
µL dispensed: 10 from 36, 5 from 37, 20 from 24
=====

Repl	SampleConc	StndConc	BlkCorr	Peak	Bkgnd	Time	Peak
#	µg/L	µg/L	Signal	Area	Area		Stored
1	0.073	0.073	0.006	0.007	0.006	11:01:29	No

=====
Element: As AS Loc.: 25 Date: 10/02/2001
Sample ID: 23948
µL dispensed: 10 from 36, 5 from 37, 20 from 25
=====

Repl	SampleConc	StndConc	BlkCorr	Peak	Bkgnd	Time	Peak
#	µg/L	µg/L	Signal	Area	Area		Stored
1	-0.814	-0.814	0.001	0.002	0.009	11:04:09	No

=====
Element: As AS Loc.: 2 Date: 10/02/2001
Sample ID: ipc
µL dispensed: 10 from 36, 5 from 37, 20 from 2
=====

Repl	SampleConc	StndConc	BlkCorr	Peak	Bkgnd	Time	Peak
#	µg/L	µg/L	Signal	Area	Area		Stored
1	19.33	19.33	0.116	0.117	0.016	11:06:50	No

QC value within specified limits.

=====
Element: As AS Loc.: 3 Date: 10/02/2001
Sample ID: cb
µL dispensed: 10 from 36, 5 from 37, 20 from 3
=====

Repl	SampleConc	StndConc	BlkCorr	Peak	Bkgnd	Time	Peak
#	µg/L	µg/L	Signal	Area	Area		Stored
1	-1.192	-1.192	-0.001	0.000	0.008	11:09:27	No

Method Name: AsHGA Element: As
 Method Description: AsHga SM 3113 B

Date: 10/02/2001
 Technique: Furnace Calibration Equation: Calc. Intercept: Meth. of Add.
 Wavelength: 193.7 nm Slit Width: 0.70 nm
 Lamp Current: 0 Energy: 62
 Sample Info File: Untitled Results Data Set:

Element: As AS Loc.: 36 Date: 10/02/2001
 Sample ID: Calib Blank
 μ L dispensed: 20 from 36, 5 from 37, 20 from 36

Repl #	SampleConc μ g/L	StdConc μ g/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1			0.003	0.004	0.003	11:14:46	No

Auto-zero performed.

Element: As AS Loc.: 26 Date: 10/02/2001
 Sample ID: 22008
 μ L dispensed: 20 from 36, 5 from 37, 20 from 26

Repl #	SampleConc μ g/L	StdConc μ g/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1			0.011	0.015	0.091	11:17:23	No

Element: As AS Loc.: 38 Date: 10/02/2001
 Sample ID: S10
 μ L dispensed: 15 from 36, 5 from 37, 5 from 38, 20 from 26

Repl #	SampleConc μ g/L	StdConc μ g/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1			0.054	0.058	0.104	11:20:11	No

Addition number 1 applied. [10]

Correlation Coefficient: 1.0000

Slope: 0.0043

Element: As AS Loc.: 38 Date: 10/02/2001
 Sample ID: S20
 μ L dispensed: 10 from 36, 5 from 37, 10 from 38, 20 from 26

Repl #	SampleConc μ g/L	StdConc μ g/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1			0.064	0.068	0.098	11:22:59	No

Addition number 2 applied. [20]

Correlation Coefficient: 0.9414

Slope: 0.0027

Element: As AS Loc.: 38 Date: 10/02/2001
 Sample ID: S30
 μ L dispensed: 5 from 36, 5 from 37, 15 from 38, 20 from 26

Repl #	SampleConc μ g/L	StdConc μ g/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1			0.035	0.039	0.036	11:25:48	No

No calibration because standard abs. and conc. values are not in the same order.

Addition number 3 not applied. [-----]

=====
 Element: As AS Loc.: 38 Date: 10/02/2001
 Sample ID: S40
 µL dispensed: 5 from 37, 20 from 38, 20 from 26

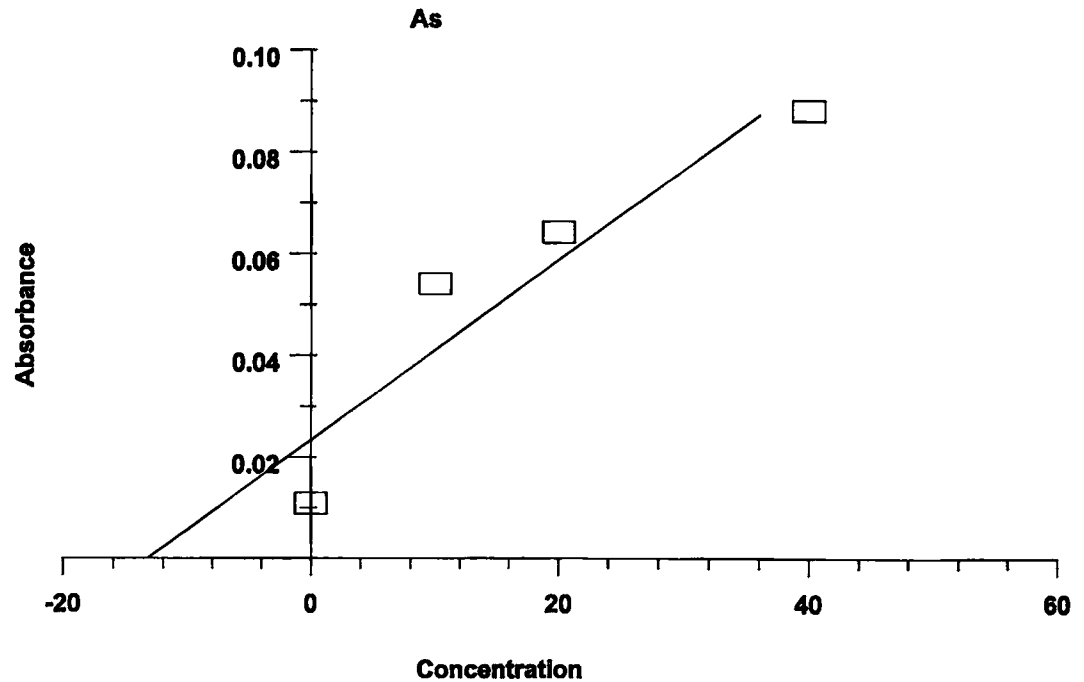
Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1			0.088	0.092	0.089	11:28:26	No

The calibration curve may not be linear.

Addition number 4 applied. [40]

Correlation Coefficient: 0.9349

Slope: 0.0018



 Calibration data for As

Standard ID	Mean Signal (Pk Area)	Entered Concentration (µg/L)	Calculated Concentration (µg/L)	Standard Deviation	%RSD
Calib Blank	0.000	----	-6.142	----	----
S10	0.054	10	24.47	----	----
S20	0.064	20	30.21	----	----
S40	0.088	40	43.69	----	----
Correlation Coefficient: 0.93490 Slope: 0.00177 Intercept: 0.023					

 [As] Sample Concentration 13.24 µg/L
 [As] Sample Concentration 264.7 µg/L

=====
 Element: As AS Loc.: 36 Date: 10/02/2001
 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	Bkgnd Area	Time	Peak Stored
1			-0.003	0.001	0.014	11:53:46	No

Auto-zero performed.

=====
 Element: As AS Loc.: 26 Date: 10/02/2001
 Sample ID: 22008
 µL dispensed: 20 from 36, 5 from 37, 20 from 26

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1			0.007	0.008	0.043	11:56:23	No

=====
 Element: As AS Loc.: 38 Date: 10/02/2001
 Sample ID: S10
 µL dispensed: 15 from 36, 5 from 37, 5 from 38, 20 from 26

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1			0.064	0.064	0.051	11:59:11	No

Addition number 1 applied. [10]

Correlation Coefficient: 1.0000

Slope: 0.0057

=====
 Element: As AS Loc.: 38 Date: 10/02/2001
 Sample ID: S20
 µL dispensed: 10 from 36, 5 from 37, 10 from 38, 20 from 26

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1			0.090	0.091	0.067	12:01:59	No

Addition number 2 applied. [20]

Correlation Coefficient: 0.9788

Slope: 0.0042

=====
 Element: As AS Loc.: 38 Date: 10/02/2001
 Sample ID: S30
 µL dispensed: 5 from 36, 5 from 37, 15 from 38, 20 from 26

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1			0.152	0.152	0.061	12:04:46	No

Addition number 3 applied. [30]

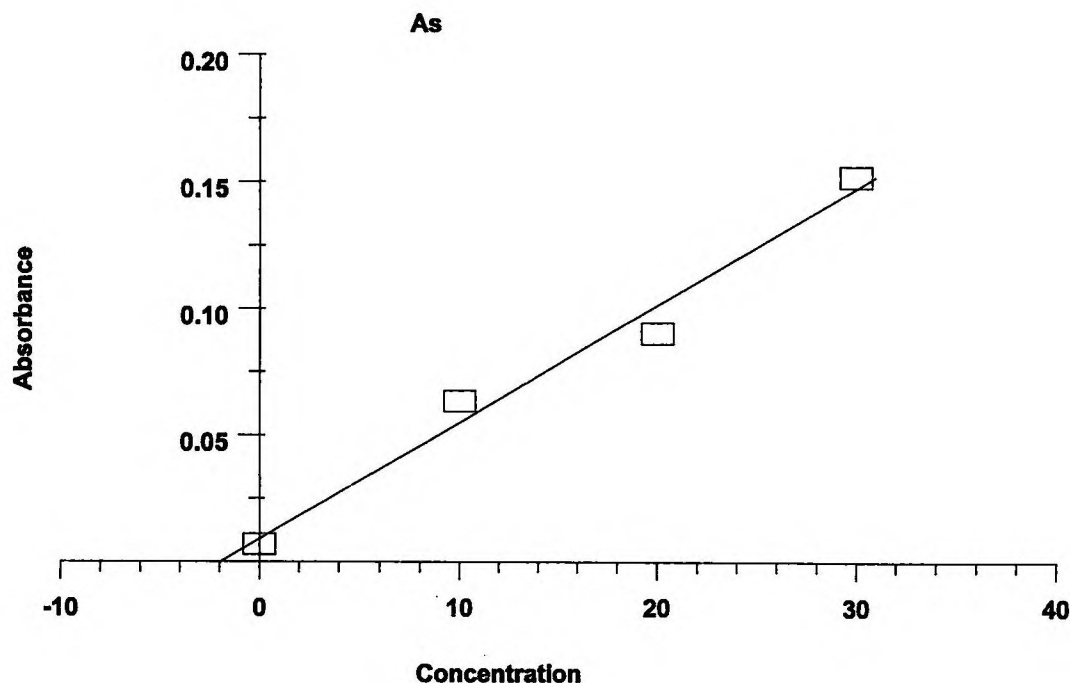
Correlation Coefficient: 0.9898

Slope: 0.0046

=====
 Element: As AS Loc.: 38 Date: 10/02/2001
 Sample ID: S40
 µL dispensed: 5 from 37, 20 from 38, 20 from 26

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1			0.151	0.152	0.069	12:07:24	No

No calibration because standard abs. and conc. values are not in the same order.
 Addition number 4 not applied. [-----]



 Calibration data for As

Standard ID	Mean Signal (Pk Area)	Entered Concentration (µg/L)	Calculated Concentration (µg/L)	Standard Deviation	%RSD
Calib Blank	0.000	----	-1.505	----	----
S10	0.064	10	12.29	----	----
S20	0.090	20	18.04	----	----
S30	0.152	30	31.42	----	----

Correlation Coefficient: 0.98983 Slope: 0.00461 Intercept: 0.009

[As] Sample Concentration	1.941 µg/L
[As] Sample Concentration	97.04 µg/L

The calibration curve has been edited.

```

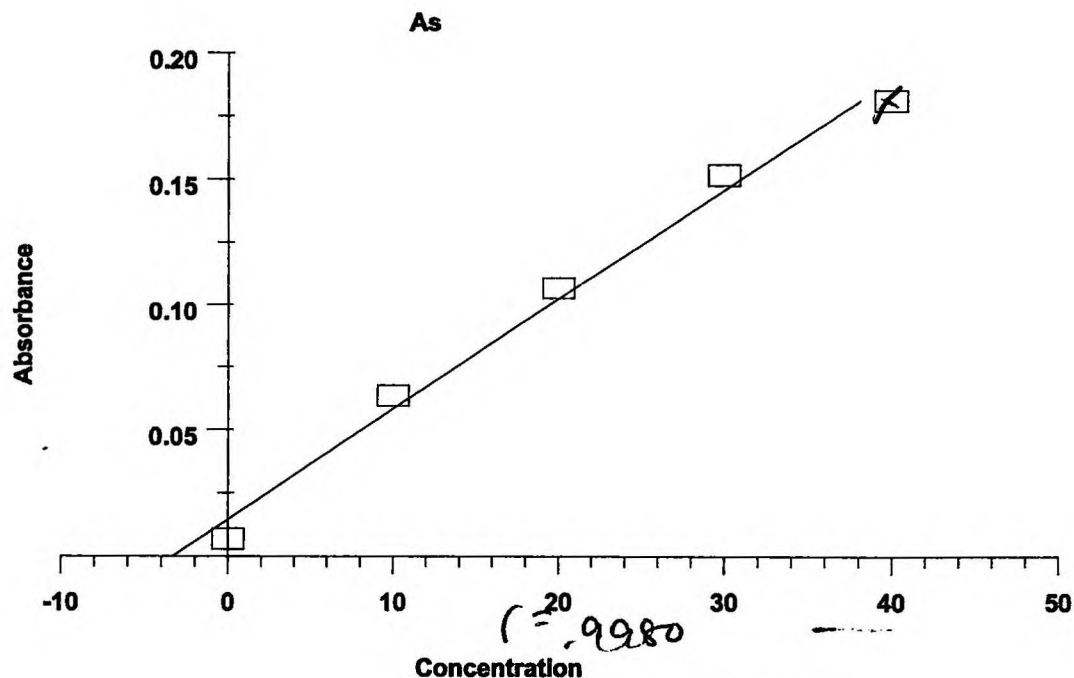
=====
Element: As   AS Loc.: 38   Date: 10/02/2001
Sample ID: S20
µL dispensed: 10 from 36, 5 from 37, 10 from 38, 20 from 26
=====
Repl  SampleConc  StndConc  BlnkCorr  Peak    Bkgnd    Time    Peak
#      µg/L       µg/L      Signal   Area     Area     Time    Stored
1      0.106      0.107     0.106    0.107    0.055    12:10:47 No
Addition number 2 applied. [20]
Correlation Coefficient: 0.9980           Slope: 0.0048
[As] Sample Concentration 2.218 µg/L
[As] Sample Concentration 110.9 µg/L
=====

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=====
Element: As   AS Loc.: 38   Date: 10/02/2001
Sample ID: S40
µL dispensed: 5 from 37, 20 from 38, 20 from 26
=====
Repl  SampleConc  StndConc  BlnkCorr  Peak    Bkgnd    Time    Peak
#      µg/L       µg/L      Signal   Area     Area     Time    Stored
1      0.181      0.182     0.181    0.182    0.061    12:13:26 No
The calibration curve may not be linear.
Addition number 4 applied. [40]
Correlation Coefficient: 0.9946           Slope: 0.0044
[As] Sample Concentration 3.344 µg/L
[As] Sample Concentration 167.2 µg/L
=====

```



Calibration data for As

Standard ID	Mean Signal (Pk Area)	Entered Concentration ($\mu\text{g/L}$)	Calculated Concentration ($\mu\text{g/L}$)	Standard Deviation	%RSD
Calib Blank	0.000	----	-1.588	----	----
S10	0.064	10	12.96	----	----
S20	0.106	20	22.78	----	----
S30	0.152	30	33.13	----	----
S40	0.181	40	39.91	----	----
Correlation Coefficient: 0.99462 Slope: 0.00437 Intercept: 0.015					

The calibration curve has been edited.

The calibration curve has been edited.

=====
 Element: As AS Loc.: 36 Date: 10/02/2001
 Sample ID: Calib Blank
 μL dispensed: 20 from 36, 5 from 37, 20 from 36

Repl #	SampleConc $\mu\text{g/L}$	StdConc $\mu\text{g/L}$	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1			0.002	0.003	0.010	12:23:23	No

Auto-zero performed.

=====
 Element: As AS Loc.: 27 Date: 10/02/2001
 Sample ID: 22841
 μL dispensed: 20 from 36, 5 from 37, 20 from 27

Repl #	SampleConc $\mu\text{g/L}$	StdConc $\mu\text{g/L}$	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1			0.006	0.008	0.052	12:26:01	No

=====
 Element: As AS Loc.: 38 Date: 10/02/2001
 Sample ID: S10
 μL dispensed: 15 from 36, 5 from 37, 5 from 38, 20 from 27

Repl #	SampleConc $\mu\text{g/L}$	StdConc $\mu\text{g/L}$	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1			0.047	0.050	0.054	12:28:50	No

Addition number 1 applied. [10]

Correlation Coefficient: 1.0000

Slope: 0.0042

=====
 Element: As AS Loc.: 38 Date: 10/02/2001
 Sample ID: S20
 μL dispensed: 10 from 36, 5 from 37, 10 from 38, 20 from 27

Repl #	SampleConc $\mu\text{g/L}$	StdConc $\mu\text{g/L}$	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1			0.074	0.077	0.056	12:31:39	No

Addition number 2 applied. [20]

Correlation Coefficient: 0.9927

Slope: 0.0034

=====
 Element: As AS Loc.: 38 Date: 10/02/2001
 Sample ID: S30
 µL dispensed: 5 from 36, 5 from 37, 15 from 38, 20 from 27
 =====

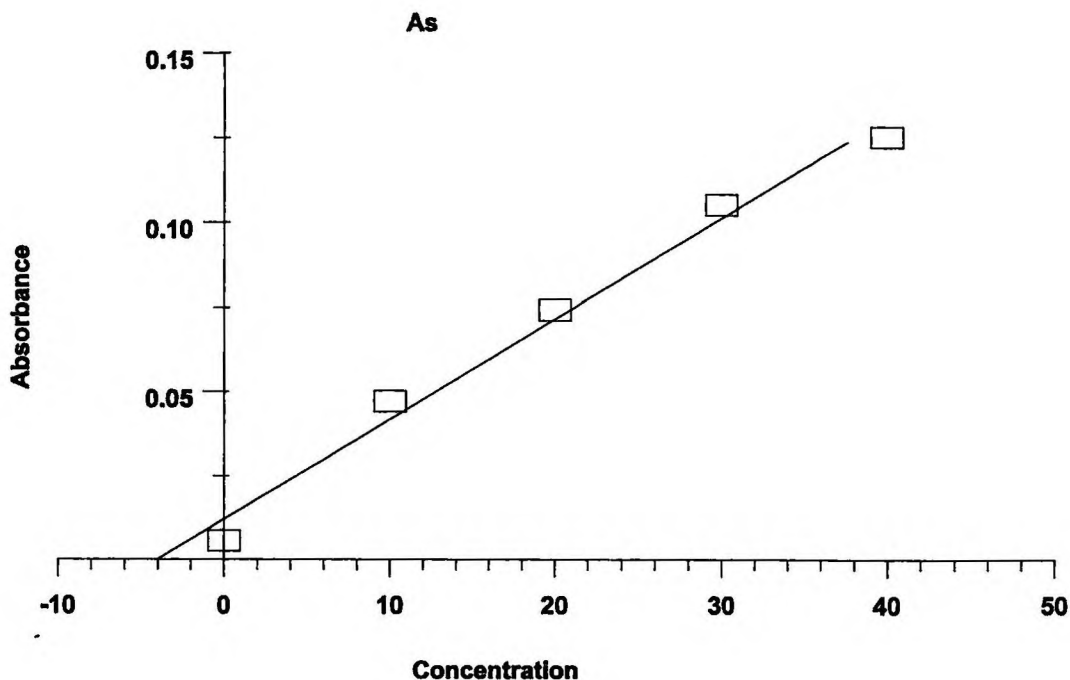
Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1			0.105	0.108	0.057	12:34:28	No

Addition number 3 applied. [30]
 Correlation Coefficient: 0.9959 Slope: 0.0033

=====
 Element: As AS Loc.: 38 Date: 10/02/2001
 Sample ID: S40
 µL dispensed: 5 from 37, 20 from 38, 20 from 27
 =====

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1			0.125	0.128	0.056	12:37:07	No

The calibration curve may not be linear.
 Addition number 4 applied. [40]
 Correlation Coefficient: 0.9930 Slope: 0.0030



 Calibration data for As

Standard ID	Mean Signal (Pk Area)	Entered Concentration (µg/L)	Calculated Concentration (µg/L)	Standard Deviation	%RSD
Calib Blank	0.000	----	-1.873	----	----
S10	0.047	10	13.95	----	----
S20	0.074	20	23.05	----	----
S30	0.105	30	33.49	----	----
S40	0.125	40	40.23	----	----

Correlation Coefficient: 0.99301 Slope: 0.00298 Intercept: 0.012

 [As] Sample Concentration 4.016 µg/L
 [As] Sample Concentration 200.8 µg/L

The calibration curve has been edited.

=====

Element: As AS Loc.: 38 Date: 10/02/2001
 Sample ID: S10
 µL dispensed: 15 from 36, 5 from 37, 5 from 38, 20 from 27

Repl #	SampleConc µg/L	StdConc µg/L	BlnkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1			0.054	0.057	0.044	12:43:06	No

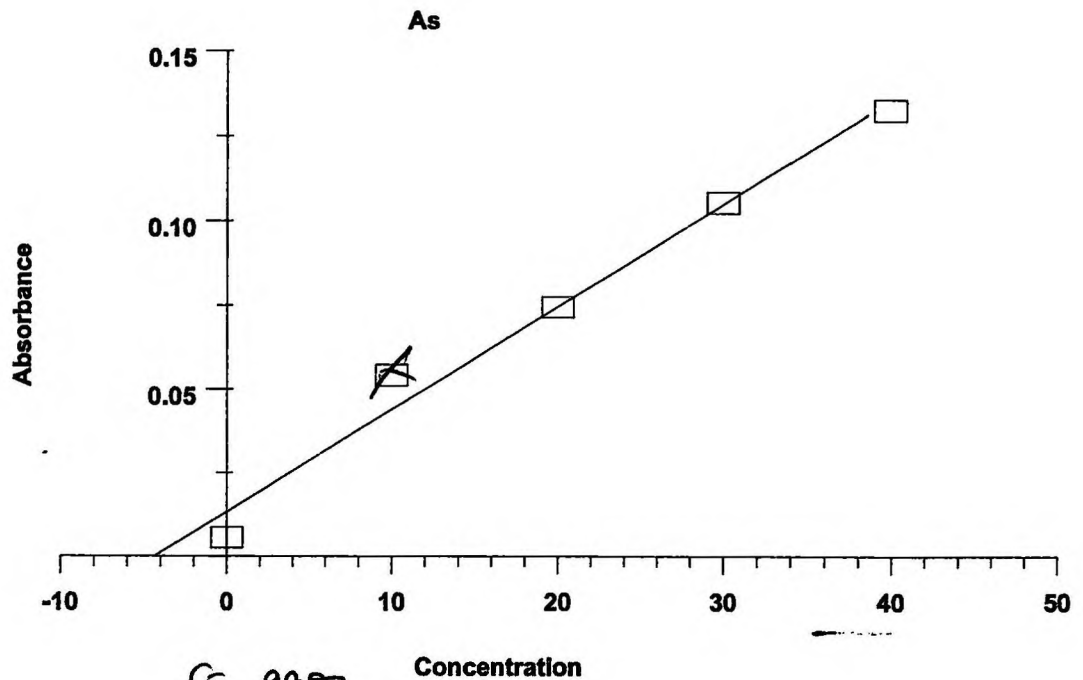
Addition number 1 applied. [10]
 Correlation Coefficient: 0.9854 Slope: 0.0032
 [As] Sample Concentration 3.724 µg/L
 [As] Sample Concentration 186.2 µg/L

=====

Element: As AS Loc.: 38 Date: 10/02/2001
 Sample ID: S40
 µL dispensed: 5 from 37, 20 from 38, 20 from 27

Repl #	SampleConc µg/L	StdConc µg/L	BlnkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1			0.133	0.135	0.057	12:45:45	No

The calibration curve may not be linear.
 Addition number 4 applied. [40]
 Correlation Coefficient: 0.9909 Slope: 0.0031
 [As] Sample Concentration 4.360 µg/L
 [As] Sample Concentration 218.0 µg/L



$r = .9987$
 $X = 2.322$

116.1

Calibration data for As

Standard ID	Mean Signal (Pk Area)	Entered Concentration (µg/L)	Calculated Concentration (µg/L)	Standard Deviation	%RSD
Calib Blank	0.000	----	-1.828	----	----
S10	0.054	10	15.89	----	----
S20	0.074	20	22.49	----	----
S30	0.105	30	32.68	----	----
S40	0.133	40	41.61	----	----
Correlation Coefficient: 0.99086 Slope: 0.00305 Intercept: 0.013					

The calibration curve has been edited.

=====
 Element: As AS Loc.: 36 Date: 10/02/2001
 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	Bkgnd Area	Time	Peak Stored
1			-0.001	0.002	0.007	12:49:59	No

Auto-zero performed.

=====
 Element: As AS Loc.: 27 Date: 10/02/2001
 Sample ID: 22843
 µL dispensed: 20 from 36, 5 from 37, 20 from 27

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1			0.004	0.006	0.025	12:52:37	No

=====
 Element: As AS Loc.: 38 Date: 10/02/2001
 Sample ID: S10
 µL dispensed: 15 from 36, 5 from 37, 5 from 38, 20 from 27

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1			0.063	0.065	0.036	12:55:28	No

Addition number 1 applied. [10]

Correlation Coefficient: 1.0000

Slope: 0.0059

=====
 Element: As AS Loc.: 38 Date: 10/02/2001
 Sample ID: S20
 µL dispensed: 10 from 36, 5 from 37, 10 from 38, 20 from 27

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1			0.112	0.114	0.038	12:58:18	No

Addition number 2 applied. [20]

Correlation Coefficient: 0.9986

Slope: 0.0054

=====

Element: As AS Loc.: 38 Date: 10/02/2001

Sample ID: S30

µL dispensed: 5 from 36, 5 from 37, 15 from 38, 20 from 27

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1			0.160	0.162	0.040	13:01:07	No

Addition number 3 applied. [30]

Correlation Coefficient: 0.9988 Slope: 0.0052

=====

Element: As AS Loc.: 38 Date: 10/02/2001

Sample ID: S40

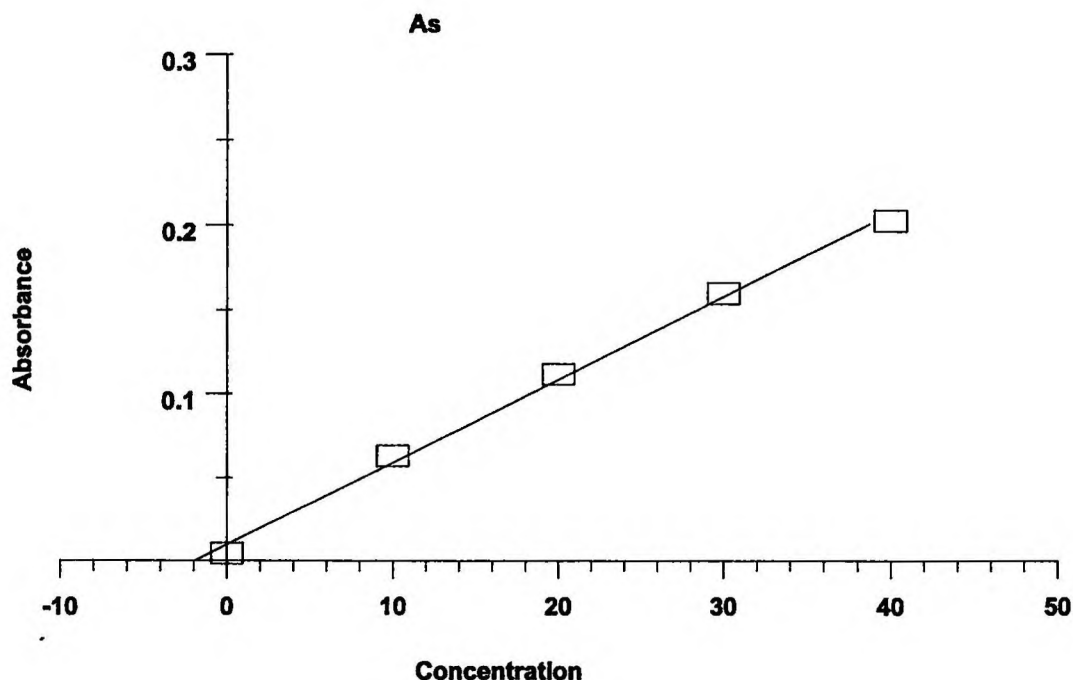
µL dispensed: 5 from 37, 20 from 38, 20 from 27

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1			0.203	0.205	0.044	13:03:46	No

The calibration curve may not be linear.

Addition number 4 applied. [40]

Correlation Coefficient: 0.9984 Slope: 0.0049



Calibration data for As

Standard ID	Mean Signal (Pk Area)	Entered Concentration (µg/L)	Calculated Concentration (µg/L)	Standard Deviation	%RSD
Calib Blank	0.000	----	-0.858	----	----
S10	0.063	10	11.88	----	----
S20	0.112	20	21.74	----	----
S30	0.160	30	31.46	----	----
S40	0.203	40	40.21	----	----
Correlation Coefficient: 0.99843 Slope: 0.00494 Intercept: 0.009					

[As] Sample Concentration 1.917 µg/L

[As] Sample Concentration 9.585 µg/L