DATE ANALYZED 10/11/01
TIME ANALYZED 9:00
ANALYST INITIALS WW
REVIEWED BY

Sample Information File Untitled

Description	: As Pot 10/11/01
Batch ID	:
Volume Units	:
Weight Units	:
Analyst	:
Sample Volume	: 1.000
Nominal Weight	: 1.000000

AS Loc	Sample ID	Sample Weight	Sample Units	User Dilution	Remarks
1	QCS				
2	IPC				
3	CB				
4	LFB				
5	LRB				
6	24483 - sp ✓				
7	24483dup				
8	24484				
9	24577] Not QC'd				
10	24637				
11	24694				
12	24695				
13	24696				
14	24697				
15	24698				
16	24699 - sp ✓				
17	24700				
18	24748] NOT QC'd				
19	24797				

QC Reviewed By, 10/11/01
Reviewed By,

QC PAH's

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

Date: 10/11/2001
Technique: Furnace Calibration Equation: Calc. Intercept: Linear
Wavelength: 193.7 nm Slit Width: 0.70 nm
Lamp Current: 0 Energy: 60
Sample Info File: Untitled Results Data Set:

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

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1			0.003	0.003	0.023	09:12:26	No

Auto-zero performed.

Element: As AS Loc.: 38 Date: 10/11/2001
Sample ID: S10
µL dispensed: 25 from 36, 5 from 37, 5 from 38

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1			0.051	0.054	0.021	09:15:04	No

Standard number 1 applied. [10]
Correlation Coefficient: 1.0000 Slope: 0.0051

Element: As AS Loc.: 38 Date: 10/11/2001
Sample ID: S20
µL dispensed: 20 from 36, 5 from 37, 10 from 38

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1			0.100	0.103	0.027	09:17:46	No

Standard number 2 applied. [20]
Correlation Coefficient: 0.9998 Slope: 0.0050

Element: As AS Loc.: 38 Date: 10/11/2001
Sample ID: S30
µL dispensed: 15 from 36, 5 from 37, 15 from 38

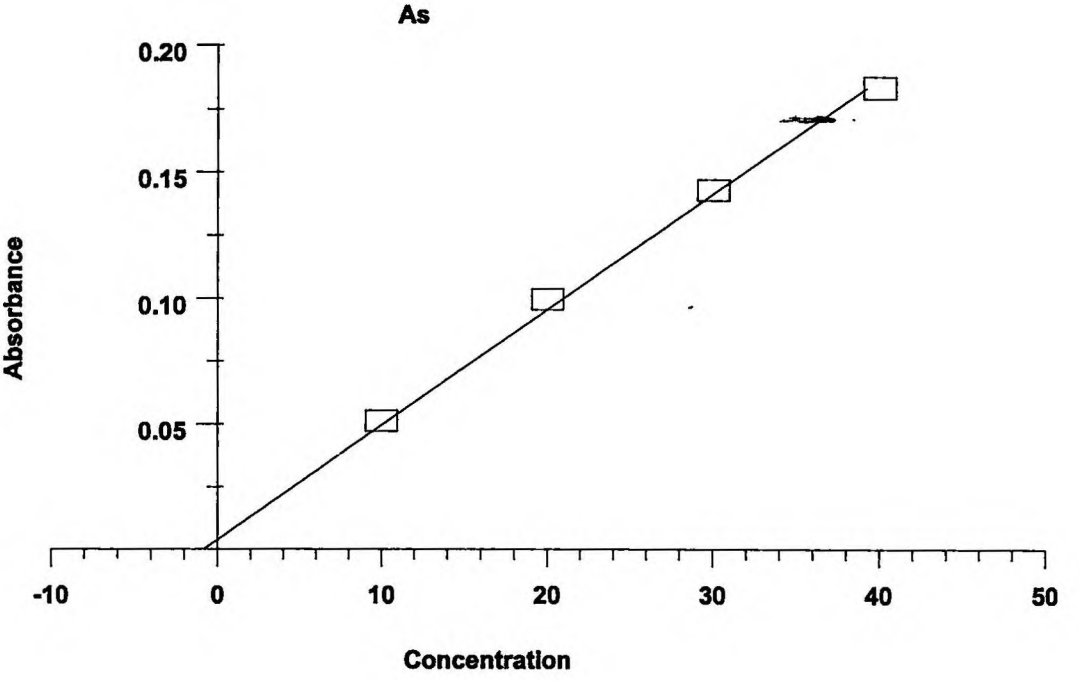
Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1			0.143	0.146	0.029	09:20:29	No

Standard number 3 applied. [30]
Correlation Coefficient: 0.9993 Slope: 0.0048

Element: As AS Loc.: 38 Date: 10/11/2001
Sample ID: S40
µL dispensed: 10 from 36, 5 from 37, 20 from 38

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1			0.184	0.187	0.033	09:23:12	No

The calibration curve may not be linear.
Standard number 4 applied. [40]
Correlation Coefficient: 0.9988 Slope: 0.0046



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	----	-0.824	----	----
S10	0.051	10	10.38	----	----
S20	0.100	20	20.91	----	----
S30	0.143	30	30.33	----	----
S40	0.184	40	39.20	----	----

Correlation Coefficient: 0.99880 Slope: 0.00459 Intercept: 0.004

Element: As AS Loc.: 1 Date: 10/11/2001
Sample ID: qcs
µL dispensed: 10 from 36, 5 from 37, 20 from 1

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	9.362	9.362	0.047	0.050	0.021	09:27:12	No

QC value within specified limits.

Element: As AS Loc.: 2 Date: 10/11/2001
Sample ID: ipc
µL dispensed: 10 from 36, 5 from 37, 20 from 2

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	19.66	19.66	0.094	0.097	0.024	09:29:49	No

QC value within specified limits.

Element: As AS Loc.: 3 Date: 10/11/2001
Sample ID: cb
µL dispensed: 10 from 36, 5 from 37, 20 from 3

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	-1.733	-1.733	-0.004	-0.001	0.016	09:32:27	No

Element: As AS Loc.: 4 Date: 10/11/2001
Sample ID: lfb
µL dispensed: 10 from 36, 5 from 37, 20 from 4

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	39.00	39.00	0.183	0.186	0.033	09:35:04	No

QC value within specified limits.

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

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	-1.336	-1.336	-0.002	0.000	0.015	09:37:42	No

Element: As AS Loc.: 6 Date: 10/11/2001
Sample ID: 24483
µL dispensed: 10 from 36, 5 from 37, 20 from 6

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	0.023	0.023	0.004	0.007	0.017	09:40:20	No

Element: As AS Loc.: 6 Date: 10/11/2001
Sample ID: 24483
µL dispensed: 5 from 37, 10 from 38, 20 from 6

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	19.02	19.02	0.091	0.094	0.022	09:42:57	No

Recovery is 95.0%

Element: As AS Loc.: 7 Date: 10/11/2001
Sample ID: 24483dup
µL dispensed: 10 from 36, 5 from 37, 20 from 7

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	-1.118	-1.118	-0.001	0.001	0.020	09:45:39	No

Element: As AS Loc.: 8 Date: 10/11/2001
Sample ID: 24484
µL dispensed: 10 from 36, 5 from 37, 20 from 8

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	-1.126	-1.126	-0.001	0.001	0.020	09:48:21	No

Element: As AS Loc.: 9 Date: 10/11/2001
Sample ID: 24577
µL dispensed: 10 from 36, 5 from 37, 20 from 9

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	-1.282	-1.282	-0.002	0.001	0.022	09:51:05	No

Element: As AS Loc.: 10 Date: 10/11/2001
Sample ID: 24637
µL dispensed: 10 from 36, 5 from 37, 20 from 10

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	-1.260	-1.260	-0.002	0.001	0.017	09:53:49	No

Element: As AS Loc.: 11 Date: 10/11/2001
Sample ID: 24694
µL dispensed: 10 from 36, 5 from 37, 20 from 11

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	-0.900	-0.900	0.000	0.002	0.016	09:56:34	No

Element: As AS Loc.: 12 Date: 10/11/2001
Sample ID: 24695
µL dispensed: 10 from 36, 5 from 37, 20 from 12

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	-1.083	-1.083	-0.001	0.002	0.017	09:59:20	No

Element: As AS Loc.: 13 Date: 10/11/2001
Sample ID: 24696
µL dispensed: 10 from 36, 5 from 37, 20 from 13

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	-1.346	-1.346	-0.002	0.000	0.019	10:02:06	No

Element: As AS Loc.: 14 Date: 10/11/2001
Sample ID: 24697
µL dispensed: 10 from 36, 5 from 37, 20 from 14

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	-0.871	-0.871	0.000	0.003	0.017	10:04:52	No

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

Date: 10/11/2001
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.: 2   Date: 10/11/2001
Sample ID: ipc
µL dispensed: 10 from 36; 5 from 37, 20 from 2
--------------------------------------------------------------------------------
Repl   SampleConc  StndConc  BlnkCorr   Peak    Bkgnd    Time      Peak
 #     µg/L        µg/L      Signal     Area    Area               Stored
 1       22.22      22.22     0.106     0.109    0.112   10:52:15  No
```

contact - cylinder problem
stopped run
(some ipc was leftover → high ipc)

111% probably ok

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

Date: 10/11/2001
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.: 3 Date: 10/11/2001
Sample ID: cb
µL dispensed: 10 from 36, 5 from 37, 20 from 3

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	-1.163	-1.163	-0.002	0.001	0.016	10:55:44	No

Element: As AS Loc.: 15 Date: 10/11/2001
Sample ID: 24698
µL dispensed: 10 from 36, 5 from 37, 20 from 15

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	-0.488	-0.488	0.002	0.004	0.019	10:58:27	No

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

Date: 10/11/2001
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.: 16 Date: 10/11/2001
Sample ID: 24699
µL dispensed: 10 from 36, 5 from 37, 20 from 16

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	-0.567	-0.567	0.001	0.004	0.025	11:14:44	No

Element: As AS Loc.: 16 Date: 10/11/2001
Sample ID: 24699
µL dispensed: 5 from 37, 10 from 38, 20 from 16

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	17.67	17.67	0.085	0.088	0.026	11:17:28	No

Recovery is 88.3%

Element: As AS Loc.: 17 Date: 10/11/2001
Sample ID: 24700
µL dispensed: 10 from 36, 5 from 37, 20 from 17

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	-0.894	-0.894	0.000	0.002	0.017	11:20:11	No

Element: As AS Loc.: 18 Date: 10/11/2001
Sample ID: 24748
µL dispensed: 10 from 36, 5 from 37, 20 from 18

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	-0.752	-0.752	0.000	0.003	0.027	11:22:53	No

Element: As AS Loc.: 19 Date: 10/11/2001
Sample ID: 24797
µL dispensed: 10 from 36, 5 from 37, 20 from 19

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	-0.586	-0.586	0.001	0.004	0.026	11:25:34	No

Element: As AS Loc.: 2 Date: 10/11/2001
Sample ID: ipc
µL dispensed: 10 from 36, 5 from 37, 20 from 2

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	19.53	19.53	0.093	0.096	0.027	11:28:12	No

QC value within specified limits.

Element: As AS Loc.: 3 Date: 10/11/2001
Sample ID: cb
µL dispensed: 10 from 36, 5 from 37, 20 from 3

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	-0.884	-0.884	0.000	0.003	0.015	11:30:49	No