

Sample Information File Untitled

Description : PbF POTABLE
 Batch ID :
 Volume Units :
 Weight Units :
 Analyst :
 Sample Volume : 1.000
 Nominal Weight : 1.000000

AS Sample ID
 Loc

Sample Sample
 Weight Units

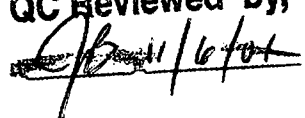
User
 Dilution Remarks

- 1 QCS
- 2 IPC
- 3 CB
- 4 LFB
- 5 LRB
- 6 23909
- 7 23909DUP
- 8 23910
- 9 23947
- 10 23948
- 11 24046
- 12 24047
- 33 23860
- 34 23682

batch-14756

DATE ANALYZED	10/5/01
TIME ANALYZED	5:20 PM
ANALYST INITIALS	LD
REVIEWED BY	AB

None of the
 QC was good.
 Reject all.

QC Reviewed by,


Sample Information File Untitled

Description : PbF POTABLE
 Batch ID :
 Volume Units :
 Weight Units :
 Analyst :
 Sample Volume : 1.000
 Nominal Weight : 1.000000

AS Sample ID Loc	Sample Sample Weight Units	User Dilution	Remarks
1 QCS			
2 IPC			
3 CB			
4 LFB			
5 LRB			
6 23909			
7 23909DUP			
8 23910			
9 23947			
10 23948			
11 24046			
12 24047			
13 24048			
14 24049			
15 24050			
16 24051			
17 24052			
18 24214			
19 24215			
20 24216			
21 24217			
22 24218			
23 24219			
24 24220			
25 24287			
26 24288			
27 24288DUP			
28 24289			
29 24290			
30 24291			
31 24292			
32 24293			
33 23860			
34 23682			
35 23293			
39 23302			

Method Name: PbHgaLow Element: Pb
Method Description: Pbhga SM3113 B

Date: 10/05/2001

Technique: Furnace

Wavelength: 283.3 nm

Lamp Current: 10

Sample Info File: Untitled

Calibration Equation: Calc. Intercept: Linear

Slit Width: 0.70 nm

Energy: 58

Results Data Set:

Element: Pb Seq. No.: 338 AS Loc.: 36 Date: 10/05/2001

Sample ID: Calib Blank

µL dispensed: 12 from 36, 5 from 37, 24 from 36

µL dispensed: 12 from 36, 5 from 37, 24 from 36

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1			-0.006	-0.003	0.004	0.001	0.004	16:42:54	No

Auto-zero performed.

Element: Pb Seq. No.: 339 AS Loc.: 38 Date: 10/05/2001

Sample ID: S1

µL dispensed: 33 from 36, 5 from 37, 3 from 38

µL dispensed: 33 from 36, 5 from 37, 3 from 38

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1			0.025	0.022	0.051	0.009	0.017	16:47:09	No

Standard number 1 applied. [1]

Correlation Coefficient: 1.0000

Slope: 0.0246

Element: Pb Seq. No.: 340 AS Loc.: 38 Date: 10/05/2001

Sample ID: S2

µL dispensed: 30 from 36, 5 from 37, 6 from 38

µL dispensed: 30 from 36, 5 from 37, 6 from 38

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1			0.045	0.042	0.091	0.016	0.029	16:51:29	No

Standard number 2 applied. [2]

Correlation Coefficient: 0.9982

Slope: 0.0223

Element: Pb Seq. No.: 341 AS Loc.: 38 Date: 10/05/2001

Sample ID: S4

µL dispensed: 24 from 36, 5 from 37, 12 from 38

µL dispensed: 24 from 36, 5 from 37, 12 from 38

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1			0.083	0.080	0.169	0.028	0.056	16:55:49	No

Standard number 3 applied. [4]

Correlation Coefficient: 0.9984

Slope: 0.0205

Element: Pb Seq. No.: 342 AS Loc.: 38 Date: 10/05/2001
 Sample ID: S8
 µL dispensed: 12 from 36, 5 from 37, 24 from 38
 µL dispensed: 12 from 36, 5 from 37, 24 from 38

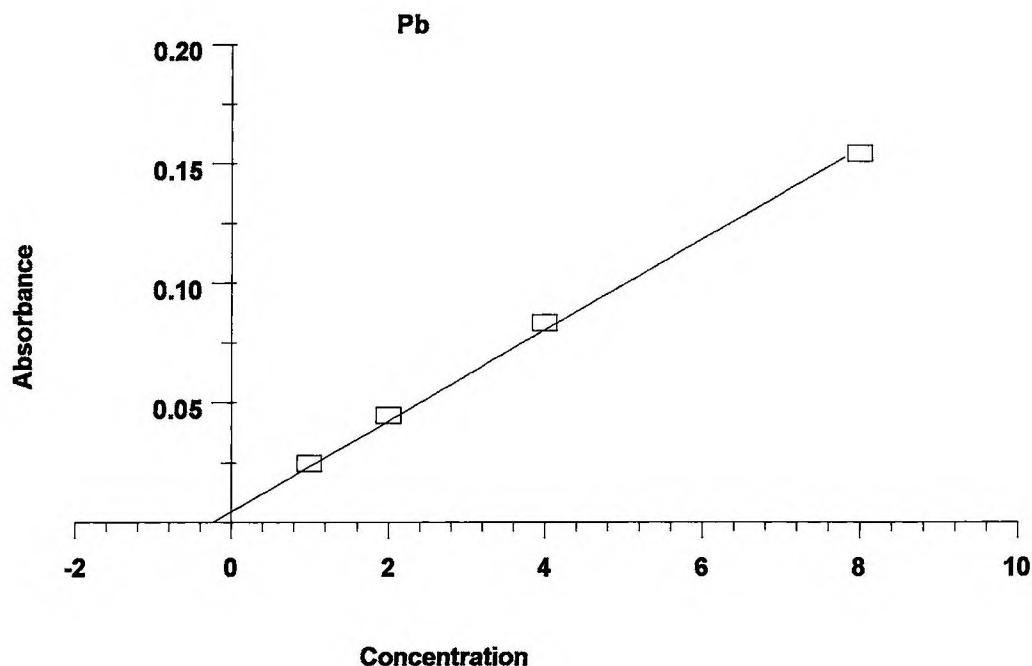
Repl #	Sample Conc µg/L	Std Conc µg/L	Blk Corr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1			0.154	0.151	0.311	0.054	0.103	17:00:11	No

The calibration curve may not be linear.

Standard number 4 applied. [8]

Correlation Coefficient: 0.9987

Slope: 0.0190



Calibration data for Pb

Standard ID	Mean Signal (Pk Area)	Entered Concentration (µg/L)	Calculated Concentration (µg/L)	Standard Deviation	%RSD
Calib Blank	0.000	---	-0.2261	----	----
S1	0.025	1	1.069	----	----
S2	0.045	2	2.122	----	----
S4	0.083	4	4.148	----	----
S8	0.154	8	7.887	----	----
Correlation Coefficient: 0.99868		Slope: 0.01901	Intercept: 0.004		

Element: Pb Seq. No.: 343 AS Loc.: 1 Date: 10/05/2001
 Sample ID: QCS
 µL dispensed: 12 from 36, 5 from 37, 24 from 1
 µL dispensed: 12 from 36, 5 from 37, 24 from 1

Repl #	Sample Conc µg/L	Std Conc µg/L	Blk Corr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	7.621	7.621	0.149	0.146	0.238	0.049	0.081	17:05:26	No

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

=====

Element: Pb Seq. No.: 344 AS Loc.: 1 Date: 10/05/2001

Sample ID: QCS

µL dispensed: 12 from 36, 5 from 37, 24 from 1

µL dispensed: 12 from 36, 5 from 37, 24 from 1

=====

Repl	SampleConc	StndConc	BlnkCorr	Peak	Peak	Bkgnd	Bkgnd	Time	Peak
#	µg/L	µg/L	Signal	Area	Height	Area	Height		Stored
1	6.630	6.630	0.130	0.128	0.250	0.042	0.084	17:09:37	No

gut

=====

Element: Pb Seq. No.: 344 AS Loc.: 36 Date: 10/05/2001
Sample ID: Calib Blank
µL dispensed: 12 from 36, 5 from 37, 24 from 36
µL dispensed: 12 from 36, 5 from 37, 24 from 36

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1			0.014	0.011	0.019	0.003	0.007	17:20:35	No

=====

Element: Pb Seq. No.: 344 AS Loc.: 36 Date: 10/05/2001
Sample ID: Calib Blank
µL dispensed: 12 from 36, 5 from 37, 24 from 36
µL dispensed: 12 from 36, 5 from 37, 24 from 36

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1			0.014	0.011	0.021	0.007	0.007	17:25:01	No

Auto-zero performed.

=====

Element: Pb Seq. No.: 345 AS Loc.: 38 Date: 10/05/2001
Sample ID: S1
µL dispensed: 33 from 36, 5 from 37, 3 from 38
µL dispensed: 33 from 36, 5 from 37, 3 from 38

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1			0.024	0.034	0.060	0.013	0.020	17:29:17	No

Standard number 1 applied. [1]

Correlation Coefficient: 1.0000

Slope: 0.0236

=====

Element: Pb Seq. No.: 346 AS Loc.: 38 Date: 10/05/2001
Sample ID: S2
µL dispensed: 30 from 36, 5 from 37, 6 from 38
µL dispensed: 30 from 36, 5 from 37, 6 from 38

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1			0.046	0.057	0.094	0.019	0.030	17:33:37	No

Standard number 2 applied. [2]

Correlation Coefficient: 0.9999

Slope: 0.0232

=====

Element: Pb Seq. No.: 347 AS Loc.: 38 Date: 10/05/2001
Sample ID: S4
µL dispensed: 24 from 36, 5 from 37, 12 from 38
µL dispensed: 24 from 36, 5 from 37, 12 from 38

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1			0.079	0.090	0.151	0.031	0.047	17:37:57	No

Standard number 3 applied. [4]

Correlation Coefficient: 0.9952

Slope: 0.0196

Element: Pb Seq. No.: 348 AS Loc.: 38 Date: 10/05/2001
 Sample ID: S8
 µL dispensed: 12 from 36, 5 from 37, 24 from 38
 µL dispensed: 12 from 36, 5 from 37, 24 from 38

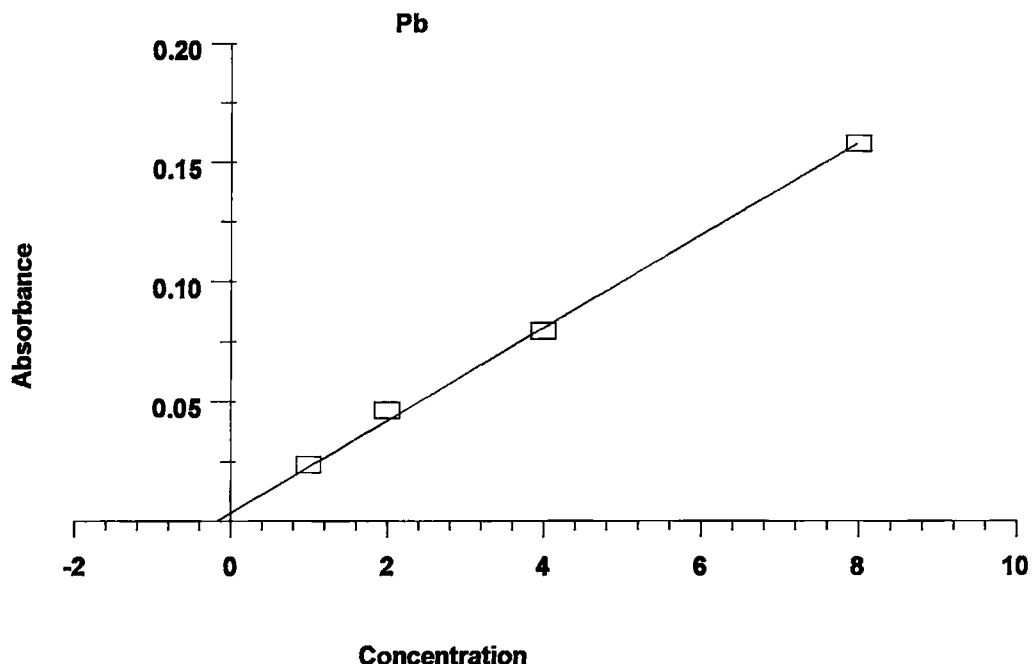
Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1			0.158	0.168	0.254	0.055	0.083	17:42:19	No

The calibration curve may not be linear.

Standard number 4 applied. [8]

Correlation Coefficient: 0.9989

Slope: 0.0193



Calibration data for Pb

Standard ID	Mean Signal (Pk Area)	Entered Concentration (µg/L)	Calculated Concentration (µg/L)	Standard Deviation	%RSD
Calib Blank	0.000	----	-0.1721	----	----
S1	0.024	1	1.048	----	----
S2	0.046	2	2.227	----	----
S4	0.079	4	3.919	----	----
S8	0.158	8	7.978	----	----

Correlation Coefficient: 0.99887 Slope: 0.01934 Intercept: 0.003

Element: Pb Seq. No.: 349 AS Loc.: 1 Date: 10/05/2001
 Sample ID: QCS
 µL dispensed: 12 from 36, 5 from 37, 24 from 1
 µL dispensed: 12 from 36, 5 from 37, 24 from 1

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	5.722	5.722	0.114	0.125	0.183	0.041	0.059	17:48:14	No

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

=====

Element: Pb Seq. No.: 350 AS Loc.: 1 Date: 10/05/2001

Sample ID: QCS

µL dispensed: 12 from 36, 5 from 37, 24 from 1

µL dispensed: 12 from 36, 5 from 37, 24 from 1

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	5.076	5.076	0.101	0.112	0.180	0.035	0.061	17:53:36	No

QC value within specified limits.

=====

Element: Pb Seq. No.: 351 AS Loc.: 2 Date: 10/05/2001

Sample ID: IPC

µL dispensed: 12 from 36, 5 from 37, 24 from 2

µL dispensed: 12 from 36, 5 from 37, 24 from 2

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	4.660	4.660	0.093	0.104	0.185	0.034	0.058	17:57:49	No

QC value within specified limits.

=====

Element: Pb Seq. No.: 352 AS Loc.: 3 Date: 10/05/2001

Sample ID: CB

µL dispensed: 12 from 36, 5 from 37, 24 from 3

µL dispensed: 12 from 36, 5 from 37, 24 from 3

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-0.2690	-0.2690	-0.002	0.009	0.019	0.004	0.008	18:01:59	No

=====

Element: Pb Seq. No.: 353 AS Loc.: 4 Date: 10/05/2001

Sample ID: LFB

µL dispensed: 12 from 36, 5 from 37, 24 from 4

µL dispensed: 12 from 36, 5 from 37, 24 from 4

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	7.459	7.459	0.148	0.158	0.279	0.051	0.091	18:06:11	No

QC value within specified limits.

=====

Element: Pb Seq. No.: 354 AS Loc.: 5 Date: 10/05/2001

Sample ID: LRB

µL dispensed: 12 from 36, 5 from 37, 24 from 5

µL dispensed: 12 from 36, 5 from 37, 24 from 5

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-0.1878	-0.1878	0.000	0.011	0.017	0.003	0.006	18:10:22	No

=====

Element: Pb Seq. No.: 355 AS Loc.: 6 Date: 10/05/2001

Sample ID: 23909

µL dispensed: 12 from 36, 5 from 37, 24 from 6

µL dispensed: 12 from 36, 5 from 37, 24 from 6

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-0.1929	-0.1929	0.000	0.010	0.021	0.011	0.009	18:14:35	No

=====

Element: Pb Seq. No.: 356 AS Loc.: 6 Date: 10/05/2001

Sample ID: 23909

µL dispensed: 5 from 37, 12 from 38, 24 from 6

µL dispensed: 5 from 37, 12 from 38, 24 from 6

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	2.197	2.197	0.046	0.057	0.094	0.022	0.033	18:18:46	No

Recovery is 54.9% (outside of specified limits)

=====

Element: Pb Seq. No.: 357 AS Loc.: 6 Date: 10/05/2001

Sample ID: 23909

µL dispensed: 30 from 36, 5 from 37, 6 from 6

µL dispensed: 30 from 36, 5 from 37, 6 from 6

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-0.8891	-0.2223	-0.001	0.010	0.020	0.002	0.006	18:22:59	No

=====

Element: Pb Seq. No.: 358 AS Loc.: 6 Date: 10/05/2001

Sample ID: 23909

µL dispensed: 18 from 36, 5 from 37, 12 from 38, 6 from 6

µL dispensed: 18 from 36, 5 from 37, 12 from 38, 6 from 6

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	13.12	3.281	0.067	0.078	0.139	0.027	0.044	18:27:28	No

Recovery is 82.0%

*Not
dep
spike fail*

=====

Element: Pb Seq. No.: 359 AS Loc.: 7 Date: 10/05/2001

Sample ID: 23909DUP

µL dispensed: 12 from 36, 5 from 37, 24 from 7

µL dispensed: 12 from 36, 5 from 37, 24 from 7

Repl	SampleConc	StdConc	BlkCorr	Peak	Peak	Bkgnd	Bkgnd	Time	Peak
#	µg/L	µg/L	Signal	Area	Height	Area	Height		Stored
1	-0.2128	-0.2128	-0.001	0.010	0.019	0.007	0.006	18:31:46	No

Method Name: PbHgaLow Element: Pb
Method Description: Pbhga SM3113 B

Date: 10/05/2001
Technique: Furnace Calibration Equation: Calc. Intercept: Linear
Wavelength: 283.3 nm Slit Width: 0.70 nm
Lamp Current: 10 Energy: 58
Sample Info File: Untitled Results Data Set:

Element: Pb Seq. No.: 360 AS Loc.: 33 Date: 10/05/2001
Sample ID: 23860
µL dispensed: 12 from 36, 5 from 37, 24 from 33
µL dispensed: 12 from 36, 5 from 37, 24 from 33

Repl	SampleConc	StndConc	BlkCorr	Peak	Peak	Bkgnd	Bkgnd	Time	Peak
#	µg/L	µg/L	Signal	Area	Height	Area	Height		Stored
1	-0.0290	-0.0290	0.003	0.014	0.023	0.006	0.007	18:37:19	No

Element: Pb Seq. No.: 361 AS Loc.: 34 Date: 10/05/2001
Sample ID: 23882
µL dispensed: 12 from 36, 5 from 37, 24 from 34
µL dispensed: 12 from 36, 5 from 37, 24 from 34

Repl	SampleConc	StndConc	BlkCorr	Peak	Peak	Bkgnd	Bkgnd	Time	Peak
#	µg/L	µg/L	Signal	Area	Height	Area	Height		Stored
1	0.0205	0.0205	0.004	0.015	0.022	0.135	0.038	18:41:37	No

Element: Pb Seq. No.: 362 AS Loc.: 8 Date: 10/05/2001

Sample ID: 23910

µL dispensed: 12 from 36, 5 from 37, 24 from 8

µL dispensed: 12 from 36, 5 from 37, 24 from 8

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-0.2734	-0.2734	-0.002	0.009	0.017	0.008	0.006	18:46:11	No

Element: Pb Seq. No.: 363 AS Loc.: 9 Date: 10/05/2001

Sample ID: 23947

µL dispensed: 12 from 36, 5 from 37, 24 from 9

µL dispensed: 12 from 36, 5 from 37, 24 from 9

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-0.2708	-0.2708	-0.002	0.009	0.020	0.008	0.008	18:50:32	No

Element: Pb Seq. No.: 364 AS Loc.: 10 Date: 10/05/2001

Sample ID: 23948

µL dispensed: 12 from 36, 5 from 37, 24 from 10

µL dispensed: 12 from 36, 5 from 37, 24 from 10

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-0.2680	-0.2680	-0.002	0.009	0.018	0.005	0.008	18:54:57	No

Element: Pb Seq. No.: 365 AS Loc.: 11 Date: 10/05/2001

Sample ID: 24046

µL dispensed: 12 from 36, 5 from 37, 24 from 11

µL dispensed: 12 from 36, 5 from 37, 24 from 11

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-0.2227	-0.2227	-0.001	0.010	0.021	0.006	0.008	18:59:23	No

Element: Pb Seq. No.: 366 AS Loc.: 12 Date: 10/05/2001

Sample ID: 24047

µL dispensed: 12 from 36, 5 from 37, 24 from 12

µL dispensed: 12 from 36, 5 from 37, 24 from 12

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-0.1916	-0.1916	0.000	0.011	0.016	0.011	0.007	19:03:50	No

=====

Element: Pb Seq. No.: 368 AS Loc.: 2 Date: 10/05/2001

Sample ID: IPC

µL dispensed: 12 from 36, 5 from 37, 24 from 2

µL dispensed: 12 from 36, 5 from 37, 24 from 2

=====

Repl	SampleConc	StndConc	BlncCorr	Peak	Peak	Bkgnd	Bkgnd	Time	Peak
#	µg/L	µg/L	Signal	Area	Height	Area	Height		Stored
1	4.190	4.190	0.084	0.095	0.157	0.031	0.053	19:18:19	No

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

=====

Element: Pb Seq. No.: 369 AS Loc.: 2 Date: 10/05/2001

Sample ID: IPC

µL dispensed: 12 from 36, 5 from 37, 24 from 2

µL dispensed: 12 from 36, 5 from 37, 24 from 2

=====

Repl	SampleConc	StndConc	BlncCorr	Peak	Peak	Bkgnd	Bkgnd	Time	Peak
#	µg/L	µg/L	Signal	Area	Height	Area	Height		Stored
1	4.192	4.192	0.084	0.095	0.173	0.031	0.059	19:22:29	No

QC out of limits. Current analytical sequence continued.

=====

Element: Pb Seq. No.: 370 AS Loc.: 2 Date: 10/05/2001

Sample ID: IPC

µL dispensed: 12 from 36, 5 from 37, 24 from 2

µL dispensed: 12 from 36, 5 from 37, 24 from 2

Repl	SampleConc	StndConc	BlkCorr	Peak	Peak	Bkgnd	Bkgnd	Time	Peak
#	µg/L	µg/L	Signal	Area	Height	Area	Height		Stored
1	4.877	4.877	0.098	0.109	0.207	0.036	0.072	19:30:35	No

QC value within specified limits.

=====

Element: Pb Seq. No.: 371 AS Loc.: 3 Date: 10/05/2001

Sample ID: CB

µL dispensed: 12 from 36, 5 from 37, 24 from 3

µL dispensed: 12 from 36, 5 from 37, 24 from 3

Repl	SampleConc	StndConc	BlkCorr	Peak	Peak	Bkgnd	Bkgnd	Time	Peak
#	µg/L	µg/L	Signal	Area	Height	Area	Height		Stored
1	-0.5595	-0.5595	-0.007	0.003	0.010	0.014	0.007	19:34:45	No