
Sample Information File C:\AAUSER\SAMPINTO\011802TI.SIF

Description : T1 Pot 1/18/01
Batch ID :
Volume Units :
Weight Units :
Analyst :
Sample Volume : 0.00

AS Sample ID Loc	Sample Sample Weight Units	User Dilution	Remarks
1 qcs			
2 ipc			
3 cb			
4 lfb			
5 lrb			
6 27768			
7 27768dup			
8 27769			
9 27770			
10 27771			
11 27772			
12 27773			
13 27774			
14 27775			
15 27817			
16 27818			
17 27819			
18 27823			
19 27826			
20 27828			
21 27831			
22 27872			
23 27873			
24 27874			
25 27951			
26 27952			
27 27952dup			
28 27953			
29 27954			
30 27955			
31 27956			
32 27957			
33 27984			
34 27985			
35 27986			
36 28043			
37 28044			
38 28045			
39 28046			
40 28047			
41 28048			
42 28049			
43 28104			
44 28105			
45 28106			
46 28164			
47 28165			
48 28165dup			

49 28166
50 28167
51 28168
52 28169
53 28170
54 28171
55 28172
86 Zero Calibrator

Method Name: TiHGA
 Method Description: Tihga SM3113 B
 Element: Ti

Date: 02/01/2002
 Technique: Furnace
 Calibration Type:
 Ti, Calc. Intercept : Linear
 Wavelength: 364.3 nm
 Energy: 100
 Slit Width: 0.2
 Lamp Current: 40 mA
 Sample Info Name: 011802TI.SIF

Results Data Set Name:

Element: Ti Seq. No.: 1 AS Loc.: 86 Date: 02/01/2002
 Sample ID: Calib Blank
 µL dispensed: 10 from 86, 20 from 86

Repl #	SampleConc	StdConc	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1			0.0051	0.0051	0.0021	0.0043	0.0063	10:36:41	No

Auto-zero performed.

Element: Ti Seq. No.: 2 AS Loc.: 88 Date: 02/01/2002
 Sample ID: S25
 µL dispensed: 25 from 86, 5 from 88

Repl #	SampleConc	StdConc	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1			0.0260	0.0311	0.0225	0.0052	0.0062	10:40:24	No

[Ti] Standard number 1 applied. [25.0]
 Correlation Coefficient: 1.00000 Slope: 0.00104
 Intercept : 0.00000

Element: Ti Seq. No.: 3 AS Loc.: 88 Date: 02/01/2002
 Sample ID: S50
 µL dispensed: 20 from 86, 10 from 88

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1			0.0561	0.0612	0.0443	0.0071	0.0093	10:44:08	No

[Ti] Standard number 2 applied. [50.0]
 Correlation Coefficient: 0.99907 Slope: 0.00112
 Intercept : -0.00070

Element: Ti Seq. No.: 4 AS Loc.: 88 Date: 02/01/2002
 Sample ID: S75
 µL dispensed: 15 from 86, 15 from 88

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1			0.0919	0.0970	0.0700	0.0079	0.0100	10:47:54	No

[Ti] Standard number 3 applied. [75.0]
 Correlation Coefficient: 0.99740 Slope: 0.00122
 Intercept : -0.00239

PerkinElmer AAWinLab: 02/01/2002, 10:49:46 AM

Element: Tl Seq. No.: 5 AS Loc.: 88 Date: 02/01/2002

Sample ID: S100

µL dispensed: 10 from 86, 20 from 88

Repl #	SampleConc µg/L	StdConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1			0.1252	0.1303	0.0941	0.0100	0.0154	10:51:39	No

[Tl] Standard number 4 applied. [100.]

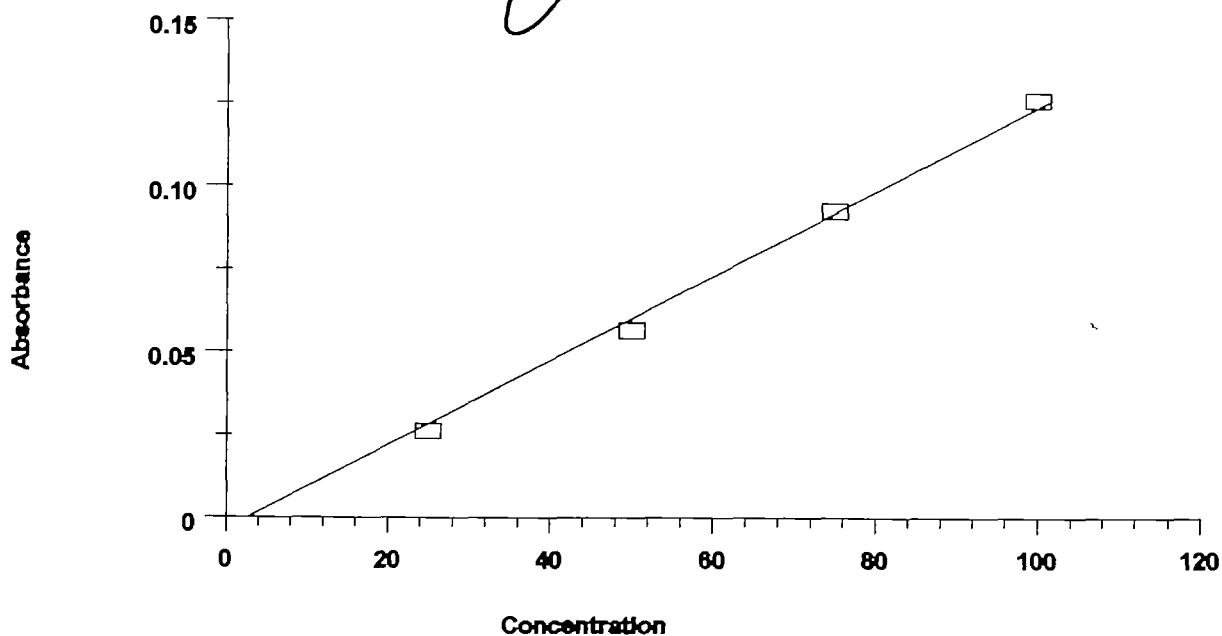
Correlation Coefficient: 0.99824

Slope: 0.00127

Intercept : -0.00344

Calibration data for Tl

Standard ID	Mean Signal (Pk Area)	Entered Concentration (µg/L)	Calculated Concentration (µg/L)	Standard Deviation	%RSD
Calib Blank	0.0051	--	--	----	----
S25	0.0260	25.00	23.2	----	-1.00
S50	0.0561	50.00	47.1	----	-1.00
S75	0.0919	75.00	75.4	----	-1.00
S100	0.1252	100.00	102.	----	-1.00
Correlation Coefficient: 0.99824		Slope:	0.00127	Intercept:	-0.0034



Element: T1 Seq. No.: 6 AS Loc.: 1 Date: 02/01/2002
 Sample ID: QCS
 µL dispensed: 10 from 86, 20 from 1

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	48.5	48.5	0.0579	0.0630	0.0440	0.0067	0.0088	10:56:31	No

QC value within specified limits.

Element: T1 Seq. No.: 7 AS Loc.: 2 Date: 02/01/2002
 Sample ID: IPC
 µL dispensed: 10 from 86, 20 from 2

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	46.9	46.9	0.0560	0.0611	0.0428	0.0083	0.0148	11:00:14	No

QC value within specified limits.

Element: T1 Seq. No.: 8 AS Loc.: 3 Date: 02/01/2002
 Sample ID: CB
 µL dispensed: 10 from 86, 20 from 3

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	3.27	3.27	0.0007	0.0058	0.0026	0.0086	0.0239	11:03:57	No

QC value within specified limits.

Element: T1 Seq. No.: 9 AS Loc.: 4 Date: 02/01/2002
 Sample ID: LFB
 µL dispensed: 10 from 86, 20 from 4

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	85.1	85.1	0.1043	0.1094	0.0803	0.0129	0.0247	11:07:39	No

QC value within specified limits.

Element: T1 Seq. No.: 10 AS Loc.: 5 Date: 02/01/2002
 Sample ID: LRB
 µL dispensed: 10 from 86, 20 from 5

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	3.41	3.41	0.0009	0.0060	0.0025	0.0106	0.0295	11:11:23	No

QC value within specified limits.

Element: T1 Seq. No.: 11 AS Loc.: 13 Date: 02/01/2002
 Sample ID: 27774
 µL dispensed: 10 from 86, 20 from 13

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	2.71	2.71	0.0000	0.0051	0.0023	0.0085	0.0153	11:15:06	No

Element: T1 Seq. No.: 12 AS Loc.: 14 Date: 02/01/2002
 Sample ID: 27775
 µL dispensed: 10 from 86, 20 from 14

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1									

PerkinElmer AAWinLab: 02/01/2002, 11:16:56 AM

#	µg/L	µg/L	Signal	Area	Height	Area	Height	Stored
1	2.24	2.24	-0.0006	0.0045	0.0023	0.0057	0.0059 11:18:48	No

Element: Ti Seq. No.: 13 AS Loc.: 15 Date: 02/01/2002
 Sample ID: 27817
 µL dispensed: 10 from 86, 20 from 15

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	1.89	1.89	-0.0010	0.0041	0.0022	0.0038	0.0056	11:22:32	No

Element: Ti Seq. No.: 14 AS Loc.: 16 Date: 02/01/2002
 Sample ID: 27818
 µL dispensed: 10 from 86, 20 from 16

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	1.45	1.45	-0.0016	0.0035	0.0018	0.0039	0.0055	11:26:15	No

Element: Ti Seq. No.: 15 AS Loc.: 16 Date: 02/01/2002
 Sample ID: 27818
 µL dispensed: 5 from 86, 5 from 88, 20 from 16

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	18.4	18.4	0.0198	0.0249	0.0176	0.0047	0.0064	11:30:08	No

Recovery for Ti = 67.7 %, less than lower limit of 85 %

Element: Ti Seq. No.: 16 AS Loc.: 16 Date: 02/01/2002
 Sample ID: 27818
 µL dispensed: 25 from 86, 5 from 16

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	6.09	1.52	-0.0015	0.0036	0.0020	0.0043	0.0056	11:33:51	No

Element: Ti Seq. No.: 17 AS Loc.: 16 Date: 02/01/2002
 Sample ID: 27818
 µL dispensed: 20 from 86, 5 from 88, 5 from 16

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	67.1	16.8	0.0178	0.0229	0.0160	0.0059	0.0069	11:37:42	No

Recovery for Ti = 61.1 %, less than lower limit of 85 %

Element: Ti Seq. No.: 18 AS Loc.: 17 Date: 02/01/2002
 Sample ID: 27819
 µL dispensed: 10 from 86, 20 from 17

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.80	0.80	-0.0024	0.0027	0.0017	0.0045	0.0058	11:41:25	No

Element: Ti Seq. No.: 19 AS Loc.: 18 Date: 02/01/2002
 Sample ID: 27823
 µL dispensed: 10 from 86, 20 from 18

PerkinElmer AAWinLab: 02/01/2002, 11:43:17 AM

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.75	0.75	-0.0025	0.0026	0.0018	0.0043	0.0062	11:45:10	No

Element: Ti Seq. No.: 20 AS Loc.: 19 Date: 02/01/2002

Sample ID: 27826

µL dispensed: 10 from 86, 20 from 19

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.69	0.69	-0.0026	0.0025	0.0019	0.0051	0.0057	11:48:53	No

Element: Ti Seq. No.: 21 AS Loc.: 20 Date: 02/01/2002

Sample ID: 27828

µL dispensed: 10 from 86, 20 from 20

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.67	0.67	-0.0026	0.0025	0.0015	0.0043	0.0062	11:52:37	No

Element: Ti Seq. No.: 22 AS Loc.: 21 Date: 02/01/2002

Sample ID: 27831

µL dispensed: 10 from 86, 20 from 21

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.07	0.07	-0.0033	0.0018	0.0015	0.0041	0.0065	11:56:21	No

Element: Ti Seq. No.: 23 AS Loc.: 22 Date: 02/01/2002

Sample ID: 27872

µL dispensed: 10 from 86, 20 from 22

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.27	0.27	-0.0031	0.0020	0.0015	0.0038	0.0060	12:00:04	No

Element: Ti Seq. No.: 24 AS Loc.: 2 Date: 02/01/2002

Sample ID: IPC

µL dispensed: 10 from 86, 20 from 2

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	41.1	41.1	0.0486	0.0537	0.0403	0.0058	0.0073	12:03:47	No

QC failed, value less than lower limit for Ti.

Element: Ti Seq. No.: 25 AS Loc.: 2 Date: 02/01/2002

Sample ID: IPC

µL dispensed: 10 from 86, 20 from 2

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	45.8	45.8	0.0545	0.0596	0.0435	0.0068	0.0081	12:07:31	No

QC value within specified limits.

Element: Ti Seq. No.: 26 AS Loc.: 3 Date: 02/01/2002

Sample ID: CB

µL dispensed: 10 from 86, 20 from 3

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	2.12	2.12	-0.0007	0.0044	0.0022	0.0054	0.0087	12:11:14	No

QC value within specified limits.

Element: Ti Seq. No.: 27 AS Loc.: 23 Date: 02/01/2002

Sample ID: 27873

µL dispensed: 10 from 86, 20 from 23

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.82	0.82	-0.0024	0.0027	0.0019	0.0048	0.0069	12:14:56	No

Element: Ti Seq. No.: 28 AS Loc.: 24 Date: 02/01/2002

Sample ID: 27874

µL dispensed: 10 from 86, 20 from 24

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.14	0.14	-0.0033	0.0018	0.0017	0.0065	0.0079	12:18:41	No

Element: Ti Seq. No.: 29 AS Loc.: 25 Date: 02/01/2002

Sample ID: 27951

µL dispensed: 10 from 86, 20 from 25

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.14	0.14	-0.0033	0.0018	0.0016	0.0052	0.0081	12:22:24	No

Element: Ti Seq. No.: 30 AS Loc.: 26 Date: 02/01/2002

Sample ID: 27952

µL dispensed: 10 from 86, 20 from 26

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.22	0.22	-0.0032	0.0019	0.0015	0.0043	0.0094	12:26:07	No

Element: Ti Seq. No.: 31 AS Loc.: 26 Date: 02/01/2002

Sample ID: 27952

µL dispensed: 5 from 86, 5 from 88, 20 from 26

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	12.8	12.8	0.0128	0.0179	0.0124	0.0055	0.0099	12:29:57	No

Recovery for Ti = 50.4 %, less than lower limit of 85 %

Element: Ti Seq. No.: 32 AS Loc.: 26 Date: 02/01/2002

Sample ID: 27952

µL dispensed: 25 from 86, 5 from 26

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	1.14	0.28	-0.0031	0.0020	0.0017	0.0041	0.0082	12:33:40	No

Element: Tl Seq. No.: 33 AS Loc.: 26 Date: 02/01/2002
 Sample ID: 27952
 µL dispensed: 20 from 86, 5 from 88, 5 from 26

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	48.2	12.50	0.0118	0.0169	0.0125	0.0056	0.0084	12:37:29	No

Recovery for Tl = 47.1 %, less than lower limit of 85 %

Element: Tl Seq. No.: 34 AS Loc.: 27 Date: 02/01/2002
 Sample ID: 27952dup
 µL dispensed: 10 from 86, 20 from 27

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.25	0.25	-0.0031	0.0020	0.0020	0.0067	0.0190	12:41:13	No

Element: Tl Seq. No.: 35 AS Loc.: 27 Date: 02/01/2002
 Sample ID: 27952dup
 µL dispensed: 5 from 86, 5 from 88, 20 from 27

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	12.8	12.8	0.0128	0.0179	0.0114	0.0085	0.0190	12:45:02	No

Recovery for Tl = 50.2 %, less than lower limit of 85 %

Element: Tl Seq. No.: 36 AS Loc.: 27 Date: 02/01/2002
 Sample ID: 27952dup
 µL dispensed: 25 from 86, 5 from 27

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-1.34	-0.34	-0.0039	0.0012	0.0013	0.0064	0.0116	12:48:45	No

Element: Tl Seq. No.: 37 AS Loc.: 27 Date: 02/01/2002
 Sample ID: 27952dup
 µL dispensed: 20 from 86, 5 from 88, 5 from 27

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	29.7	17.43	0.0060	0.0111	0.0090	0.0218	0.0563	12:52:36	No

Recovery for Tl = 29.7 %, less than lower limit of 85 %

Element: Tl Seq. No.: 38 AS Loc.: 28 Date: 02/01/2002
 Sample ID: 27953
 µL dispensed: 10 from 86, 20 from 28

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	2.01	2.01	-0.0009	0.0042	0.0021	0.0051	0.0073	12:56:19	No

Element: Tl Seq. No.: 39 AS Loc.: 29 Date: 02/01/2002
 Sample ID: 27954
 µL dispensed: 10 from 86, 20 from 29

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1									

PerkinElmer AAWinLab: 02/01/2002, 12:58:10 PM

#	µg/L	µg/L	Signal	Area	Height	Area	Height	Stored
1	0.75	0.75	-0.0025	0.0026	0.0050	0.0047	0.0072	01:00:02 No

Element: Tl Seq. No.: 40 AS Loc.: 30 Date: 02/01/2002
 Sample ID: 27955
 µL dispensed: 10 from 86, 20 from 30

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.63	0.63	-0.0026	0.0025	0.0017	0.0062	0.0113	01:03:45	No

Element: Tl Seq. No.: 41 AS Loc.: 31 Date: 02/01/2002
 Sample ID: 27956
 µL dispensed: 10 from 86, 20 from 31

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.62	0.62	-0.0027	0.0024	0.0024	0.0083	0.0133	01:07:29	No

Element: Tl Seq. No.: 42 AS Loc.: 32 Date: 02/01/2002
 Sample ID: 27957
 µL dispensed: 10 from 86, 20 from 32

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.08	0.08	-0.0033	0.0018	0.0018	0.0169	0.0161	01:11:12	No

Element: Tl Seq. No.: 43 AS Loc.: 2 Date: 02/01/2002
 Sample ID: IPC
 µL dispensed: 10 from 86, 20 from 2

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	36.8	36.8	0.0432	0.0483	0.0332	0.0277	0.0205	01:14:55	No

QC failed, value less than lower limit for Tl.

Element: Tl Seq. No.: 44 AS Loc.: 2 Date: 02/01/2002
 Sample ID: IPC
 µL dispensed: 10 from 86, 20 from 2

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	47.4	47.4	0.0565	0.0616	0.0386	0.0151	0.0142	01:18:38	No

QC value within specified limits.

Element: Tl Seq. No.: 45 AS Loc.: 3 Date: 02/01/2002
 Sample ID: CB
 µL dispensed: 10 from 86, 20 from 3

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	146	146	0.1809	0.1860	2.7808	0.3914	1.9696	01:22:21	No

The height of this peak exceeds the rollover value.
 Sample absorbance is greater than that of the highest standard.
 QC value within specified limits.

Run stopped, need new tube