Sample Information File C:\AAUSER\SAMPINFO\PB092001.SIF

Description	: TiF POTABLE
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	22653				
7	22653DUP				
8	22654				
9	22655				
10	22656				
11	22657				
12	22739				
13	22740				
14	22741				
15	22742				
16	22743				
17	22744				
18	22752				
19	22753				
20	22754				
21	22760				
22	22761				
23	22762				
24	22913				
25	22914				
26	22915				
27	22915DUP				
28	22916				
29	22917				
30	22918				
31	22919				
32	22974				
33	22975				
34	22976				
35	22977				
39	22978				
40	22979				

QC FAIL 3x — LFB fail — SP Failed 3x then passed!

QC failed 2x — SP Failed 2x

QC PASS — SP Fail

QC PASS — SP PASS

QC FAIL

DATE ANALYZED 9/20/01 7:13PM
TIME ANALYZED 3:24 PM
ANALYST INITIALS LD
REVIEWED BY

QC Reviewed by, 11/6/01

This is the worst run I have ever seen accepted. Flagged as out when in

Element: Ti Seq. No.: 73 AS Loc.: 36 Date: 09/20/2001
Sample ID: Calib Blank
µL dispensed: 10 from 36, 20 from 36

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1			0.011	0.011	0.008	-0.003	0.004	15:04:16	No

Auto-zero performed.

Element: Ti Seq. No.: 74 AS Loc.: 38 Date: 09/20/2001
Sample ID: S50
µL dispensed: 25 from 36, 5 from 38

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1			0.063	0.074	0.057	0.006	0.007	15:06:57	No

Standard number 1 applied. [50.0]
Correlation Coefficient: 1.0000 Slope: 0.0013

Element: Ti Seq. No.: 75 AS Loc.: 38 Date: 09/20/2001
Sample ID: S100
µL dispensed: 20 from 36, 10 from 38

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1			0.112	0.123	0.094	0.006	0.008	15:09:42	No

Standard number 2 applied. [100.0]
Correlation Coefficient: 0.9975 Slope: 0.0011

Element: Ti Seq. No.: 76 AS Loc.: 38 Date: 09/20/2001
Sample ID: S150
µL dispensed: 15 from 36, 15 from 38

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1			0.184	0.195	0.155	0.010	0.009	15:12:27	No

Standard number 3 applied. [150.0]
Correlation Coefficient: 0.9977 Slope: 0.0012

Element: Ti Seq. No.: 77 AS Loc.: 38 Date: 09/20/2001
Sample ID: S200
µL dispensed: 10 from 36, 20 from 38

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1			0.220	0.231	0.174	0.009	0.011	15:15:13	No

The calibration curve may not be linear.
Standard number 4 applied. [200.0]
Correlation Coefficient: 0.9962 Slope: 0.0011
The calibration curve has been edited.

Element: Ti Seq. No.: 78 AS Loc.: 38 Date: 09/20/2001
Sample ID: S150
µL dispensed: 15 from 36, 15 from 38

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1			0.201	0.212	0.168	0.008	0.009	15:18:31	No

Standard number 3 applied. [150.0]
Correlation Coefficient: 0.9875 Slope: 0.0012

Element: Ti Seq. No.: 79 AS Loc.: 36 Date: 09/20/2001
Sample ID: Calib Blank
µL dispensed: 10 from 36, 20 from 36

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1			0.026	0.036	0.020	0.004	0.007	15:21:30	No

Auto-zero performed.

Element: Ti Seq. No.: 80 AS Loc.: 38 Date: 09/20/2001
Sample ID: S50
µL dispensed: 25 from 36, 5 from 38

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1			0.057	0.093	0.064	0.004	0.008	15:24:10	No

Standard number 1 applied. [50.0]
Correlation Coefficient: 1.0000 Slope: 0.0011

Element: Ti Seq. No.: 81 AS Loc.: 38 Date: 09/20/2001
Sample ID: S100
µL dispensed: 20 from 36, 10 from 38

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1			0.091	0.127	0.091	0.007	0.007	15:26:55	No

Standard number 2 applied. [100.0]
Correlation Coefficient: 0.9900 Slope: 0.0009

Element: Ti Seq. No.: 82 AS Loc.: 38 Date: 09/20/2001
Sample ID: S150
µL dispensed: 15 from 36, 15 from 38

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1			0.159	0.196	0.147	0.010	0.010	15:29:39	No

Standard number 3 applied. [150.0]
Correlation Coefficient: 0.9927 Slope: 0.0010

Element: Ti Seq. No.: 83 AS Loc.: 38 Date: 09/20/2001
Sample ID: S200
µL dispensed: 10 from 36, 20 from 38

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1			0.202	0.239	0.184	0.010	0.010	15:32:26	No

The calibration curve may not be linear.
Standard number 4 applied. [200.0]
Correlation Coefficient: 0.9962 Slope: 0.0010
The calibration curve has been edited.

Element: Ti Seq. No.: 84 AS Loc.: 38 Date: 09/20/2001
Sample ID: S100
µL dispensed: 20 from 36, 10 from 38

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1			0.121	0.158	0.120	0.008	0.010	15:35:33	No

Standard number 2 applied. [100.0]
Correlation Coefficient: 0.9949 Slope: 0.0010

Element: Ti Seq. No.: 85 AS Loc.: 37 Date: 09/20/2001
Sample ID: Sample037
µL dispensed: 10 from 36, 20 from 37

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-10.27	-10.27	-0.004	0.032	0.020	-0.001	0.004	15:38:56	No

· The calibration curve has been edited.

```
==========================================================================================
Element: Ti     Seq. No.: 86        AS Loc.: 38    Date: 09/20/2001
Sample ID: S100
µL dispensed: 20 from 36, 10 from 38
------------------------------------------------------------------------------------------
Repl    SampleConc  StndConc  BlnkCorr    Peak     Peak     Bkgnd     Bkgnd    Time     Peak
 #      µg/L        µg/L       Signal     Area     Height   Area      Height             Stored
 1                              0.102     0.138    0.110    0.006     0.007  15:41:54  No
Standard number 2 applied. [100.0]
Correlation Coefficient: 0.9989                  Slope: 0.0010

==========================================================================================
Element: Ti     Seq. No.: 87        AS Loc.: 1     Date: 09/20/2001
Sample ID: QCS
µL dispensed: 10 from 36, 20 from 1
------------------------------------------------------------------------------------------
Repl    SampleConc  StndConc  BlnkCorr    Peak     Peak     Bkgnd     Bkgnd    Time     Peak
 #      µg/L        µg/L       Signal     Area     Height   Area      Height             Stored
 1       82.38       82.38     0.086     0.123    0.093    0.006     0.007  15:45:00  No
QC out of limits. QC will be repeated based on Retry setting.

==========================================================================================
Element: Ti     Seq. No.: 88        AS Loc.: 1     Date: 09/20/2001
Sample ID: QCS
µL dispensed: 10 from 36, 20 from 1
------------------------------------------------------------------------------------------
Repl    SampleConc  StndConc  BlnkCorr    Peak     Peak     Bkgnd     Bkgnd    Time     Peak
 #      µg/L        µg/L       Signal     Area     Height   Area      Height             Stored
 1       91.10       91.10     0.095     0.131    0.096    0.006     0.009  15:47:36  No
QC value within specified limits.

==========================================================================================
Element: Ti     Seq. No.: 89        AS Loc.: 2     Date: 09/20/2001
Sample ID: IPC
µL dispensed: 10 from 36, 20 from 2
------------------------------------------------------------------------------------------
Repl    SampleConc  StndConc  BlnkCorr    Peak     Peak     Bkgnd     Bkgnd    Time     Peak
 #      µg/L        µg/L       Signal     Area     Height   Area      Height             Stored
 1       96.98       96.98     0.101     0.137    0.099    0.005     0.007  15:50:12  No
QC value within specified limits.

==========================================================================================
Element: Ti     Seq. No.: 90        AS Loc.: 3     Date: 09/20/2001
Sample ID: CB
µL dispensed: 10 from 36, 20 from 3
------------------------------------------------------------------------------------------
Repl    SampleConc  StndConc  BlnkCorr    Peak     Peak     Bkgnd     Bkgnd    Time     Peak
 #      µg/L        µg/L       Signal     Area     Height   Area      Height             Stored
 1      -12.17      -12.17     -0.010     0.027    0.019    0.001     0.005  15:52:50  No

==========================================================================================
Element: Ti     Seq. No.: 91        AS Loc.: 4     Date: 09/20/2001
Sample ID: LFB
µL dispensed: 10 from 36, 20 from 4
------------------------------------------------------------------------------------------
Repl    SampleConc  StndConc  BlnkCorr    Peak     Peak     Bkgnd     Bkgnd    Time     Peak
 #      µg/L        µg/L       Signal     Area     Height   Area      Height             Stored
 1      200.6       200.6      0.206     0.243    0.201    0.012     0.012  15:55:29  No
QC value within specified limits.
```

Element: Ti Seq. No.: 92 AS Loc.: 5 Date: 09/20/2001
Sample ID: LRB
µL dispensed: 10 from 36, 20 from 5

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-7.132	-7.132	-0.005	0.032	0.019	0.002	0.005	15:58:11	No

Element: Ti Seq. No.: 93 AS Loc.: 6 Date: 09/20/2001
Sample ID: 22653
µL dispensed: 10 from 36, 20 from 6

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-18.83	-18.83	-0.017	0.020	0.017	-0.001	0.005	16:00:52	No

Element: Ti Seq. No.: 94 AS Loc.: 6 Date: 09/20/2001
Sample ID: 22653
µL dispensed: 5 from 36, 5 from 38, 20 from 6

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	27.49	27.49	0.031	0.067	0.051	0.003	0.005	16:03:41	No

Recovery is 55.0% (outside of specified limits)

Element: Ti Seq. No.: 95 AS Loc.: 6 Date: 09/20/2001
Sample ID: 22653
µL dispensed: 25 from 36, 5 from 6

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-98.76	-24.69	-0.022	0.014	0.012	0.000	0.005	16:06:22	No

Element: Ti Seq. No.: 96 AS Loc.: 6 Date: 09/20/2001
Sample ID: 22653
µL dispensed: 20 from 36, 5 from 38, 5 from 6

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	127.3	31.82	0.035	0.071	0.055	0.002	0.006	16:09:11	No

Recovery is 63.6% (outside of specified limits)

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

Date: 09/20/2001
Technique: Furnace Calibration Equation: Calc. Intercept: Linear
Wavelength: 364.3 nm Slit Width: 0.20 nm
Lamp Current: 40 Energy: 57
Sample Info File: PB092001.SIF Results Data Set:

Element: Ti Seq. No.: 97 AS Loc.: 6 Date: 09/20/2001
Sample ID: 22653.
µL dispensed: 10 from 36, 20 from 6

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-25.06	-25.06	-0.023	0.014	0.012	0.002	0.006	16:12:48	No

Element: Ti Seq. No.: 98 AS Loc.: 6 Date: 09/20/2001
Sample ID: 22653
µL dispensed: 5 from 36, 5 from 38, 20 from 6

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	29.44	29.44	0.032	0.069	0.053	0.004	0.006	16:15:39	No

Recovery is 58.9% (outside of specified limits)

Element: Ti Seq. No.: 99 AS Loc.: 6 Date: 09/20/2001
Sample ID: 22653
µL dispensed: 25 from 36, 5 from 6

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-109.4	-27.35	-0.025	0.011	0.010	0.001	0.004	16:18:20	No

Element: Ti Seq. No.: 100 AS Loc.: 6 Date: 09/20/2001
Sample ID: 22653
µL dispensed: 20 from 36, 5 from 38, 5 from 6

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	140.7	35.18	0.038	0.075	0.053	0.005	0.006	16:21:10	No

Recovery is 70.4%

Element: Ti Seq. No.: 101 AS Loc.: 7 Date: 09/20/2001
Sample ID: 22653DUP
µL dispensed: 10 from 36, 20 from 7

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-25.79	-25.79	-0.024	0.013	0.012	0.000	0.005	16:23:53	No

Element: Ti Seq. No.: 102 AS Loc.: 8 Date: 09/20/2001
Sample ID: 22654
µL dispensed: 10 from 36, 20 from 8

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-32.08	-32.08	-0.030	0.006	0.007	0.002	0.005	16:26:37	No

Element: Ti Seq. No.: 103 AS Loc.: 2 Date: 09/20/2001
Sample ID: IPC
µL dispensed: 10 from 36, 20 from 2

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	75.69	75.69	0.079	0.116	0.087	0.004	0.008	16:29:19	No

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

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

Date: 09/20/2001
Technique: Furnace Calibration Equation: Calc. Intercept: Linear
Wavelength: 364.3 nm Slit Width: 0.20 nm
Lamp Current: 40 Energy: 57
Sample Info File: TI092001.SIF Results Data Set:

Element: Ti Seq. No.: 104 AS Loc.: 2 Date: 09/20/2001
Sample ID: IPC
µL dispensed: 10 from 36, 20 from 2

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	86.91	86.91	0.091	0.127	0.113	0.014	0.008	16:34:04	No

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

within 15%.

Element: Ti Seq. No.: 105 AS Loc.: 2 Date: 09/20/2001
Sample ID: IPC
µL dispensed: 10 from 36, 20 from 2

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	114.6	114.6	0.119	0.155	0.137	0.007	0.008	16:36:41	No

QC out of limits. Current analytical sequence continued.

Element: Ti Seq. No.: 106 AS Loc.: 2 Date: 09/20/2001
Sample ID: IPC
µL dispensed: 10 from 36, 20 from 2

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	101.8	101.8	0.106	0.142	0.117	0.010	0.009	16:41:25	No

QC value within specified limits.

Element: Ti Seq. No.: 107 AS Loc.: 3 Date: 09/20/2001
Sample ID: CB
µL dispensed: 10 from 36, 20 from 3

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-14.14	-14.14	-0.012	0.025	0.016	-0.001	0.005	16:44:03	No

Element: Ti Seq. No.: 108 AS Loc.: 3 Date: 09/20/2001
Sample ID: CB
µL dispensed: 10 from 36, 20 from 3

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-26.42	-26.42	-0.024	0.012	0.013	-0.001	0.004	16:46:42	No

Element: Ti Seq. No.: 109 AS Loc.: 9 Date: 09/20/2001
Sample ID: 22655
µL dispensed: 10 from 36, 20 from 9

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-28.45	-28.45	-0.026	0.010	0.011	0.000	0.003	16:49:26	No

Element: Ti Seq. No.: 110 AS Loc.: 10 Date: 09/20/2001
Sample ID: 22656
µL dispensed: 10 from 36, 20 from 10

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-32.61	-32.61	-0.030	0.006	0.009	0.003	0.005	16:52:13	No

Element: Ti Seq. No.: 111 AS Loc.: 11 Date: 09/20/2001
Sample ID: 22657
µL dispensed: 10 from 36, 20 from 11

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-33.61	-33.61	-0.032	0.005	0.007	0.002	0.005	16:55:01	No

Element: Ti Seq. No.: 112 AS Loc.: 12 Date: 09/20/2001
Sample ID: 22739
µL dispensed: 10 from 36, 20 from 12

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-34.86	-34.86	-0.033	0.004	0.006	0.001	0.005	16:57:49	No

Element: Ti Seq. No.: 113 AS Loc.: 13 Date: 09/20/2001
Sample ID: 22740
µL dispensed: 10 from 36, 20 from 13

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-34.79	-34.79	-0.033	0.004	0.007	0.000	0.005	17:00:33	No

Element: Ti Seq. No.: 114 AS Loc.: 14 Date: 09/20/2001
Sample ID: 22741
µL dispensed: 10 from 36, 20 from 14

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-34.29	-34.29	-0.032	0.004	0.007	-0.005	0.004	17:03:18	No

Element: Ti Seq. No.: 115 AS Loc.: 15 Date: 09/20/2001
Sample ID: 22742
µL dispensed: 10 from 36, 20 from 15

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-36.46	-36.46	-0.034	0.002	0.007	-0.001	0.004	17:06:01	No

Element: Ti Seq. No.: 116 AS Loc.: 16 Date: 09/20/2001
Sample ID: 22743
µL dispensed: 10 from 36, 20 from 16

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-33.98	-33.98	-0.032	0.004	0.007	-0.002	0.005	17:08:43	No

Element: Ti Seq. No.: 117 AS Loc.: 16 Date: 09/20/2001
Sample ID: 22743
µL dispensed: 5 from 36, 5 from 38, 20 from 16

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	26.19	26.19	0.029	0.066	0.058	0.001	0.006	17:11:35	No

Recovery is 52.4% (outside of specified limits)

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

Date: 09/20/2001
Technique: Furnace Calibration Equation: Calc. Intercept: Linear
Wavelength: 364.3 nm Slit Width: 0.20 nm
Lamp Current: 40 Energy: 57
Sample Info File: TI092001.SIF Results Data Set:

Element: Ti Seq. No.: 118 AS Loc.: 16 Date: 09/20/2001
Sample ID: 22743
µL dispensed: 10 from 36, 20 from 16

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-30.08	-30.08	-0.028	0.008	0.010	-0.001	0.004	17:15:41	No

Element: Ti Seq. No.: 119 AS Loc.: 16 Date: 09/20/2001
Sample ID: 22743
µL dispensed: 5 from 36, 5 from 38, 20 from 16

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	28.14	28.14	0.031	0.068	0.059	0.000	0.005	17:18:33	No

Recovery is 56.3% (outside of specified limits)

Element: Ti Seq. No.: 120 AS Loc.: 16 Date: 09/20/2001
Sample ID: 22743
µL dispensed: 25 from 36, 5 from 16

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-110.6	-27.64	-0.025	0.011	0.009	-0.002	0.004	17:21:14	No

Element: Ti Seq. No.: 121 AS Loc.: 16 Date: 09/20/2001
Sample ID: 22743
µL dispensed: 20 from 36, 5 from 38, 5 from 16

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	145.9	36.46	0.040	0.076	0.061	0.004	0.006	17:24:05	No

Recovery is 72.9%

Element: Ti Seq. No.: 122 AS Loc.: 2 Date: 09/20/2001
Sample ID: IPC
µL dispensed: 10 from 36, 20 from 2

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	120.0	120.0	0.124	0.161	0.133	0.007	0.010	17:26:46	No

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

Element: Ti Seq. No.: 123 AS Loc.: 2 Date: 09/20/2001
Sample ID: IPC
µL dispensed: 10 from 36, 20 from 2

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	89.71	89.71	0.094	0.130	0.102	0.006	0.008	17:29:23	No

QC out of limits. Current analytical sequence continued.

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

Date: 09/20/2001
Technique: Furnace Calibration Equation: Calc. Intercept: Linear
Wavelength: 364.3 nm Slit Width: 0.20 nm
Lamp Current: 40 Energy: 57
Sample Info File: TI092001.SIF Results Data Set:

Element: Ti Seq. No.: 124 AS Loc.: 2 Date: 09/20/2001
Sample ID: IPC
µL dispensed: 10 from 36, 20 from 2

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	92.56	92.56	0.097	0.133	0.090	0.008	0.008	17:32:59	No

QC value within specified limits.

Element: Ti Seq. No.: 125 AS Loc.: 3 Date: 09/20/2001
Sample ID: CB
µL dispensed: 10 from 36, 20 from 3

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-18.57	-18.57	-0.016	0.020	0.013	0.003	0.006	17:35:37	No

Element: Ti Seq. No.: 126 AS Loc.: 17 Date: 09/20/2001
Sample ID: 22744
µL dispensed: 10 from 36, 20 from 17

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-29.22	-29.22	-0.027	0.009	0.009	0.000	0.004	17:38:17	No

Element: Ti Seq. No.: 127 AS Loc.: 18 Date: 09/20/2001
Sample ID: 22752
µL dispensed: 10 from 36, 20 from 18

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-31.97	-31.97	-0.030	0.007	0.006	0.002	0.006	17:40:57	No

Element: Ti Seq. No.: 128 AS Loc.: 19 Date: 09/20/2001
Sample ID: 22753
µL dispensed: 10 from 36, 20 from 19

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-33.17	-33.17	-0.031	0.005	0.006	0.002	0.005	17:43:35	No

Element: Ti Seq. No.: 129 AS Loc.: 20 Date: 09/20/2001
Sample ID: 22754
µL dispensed: 10 from 36, 20 from 20

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-33.17	-33.17	-0.031	0.005	0.008	-0.001	0.005	17:46:12	No

Element: Ti Seq. No.: 130 AS Loc.: 21 Date: 09/20/2001
Sample ID: 22760
µL dispensed: 10 from 36, 20 from 21

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-35.66	-35.66	-0.034	0.003	0.008	0.002	0.005	17:48:48	No

Element: Ti Seq. No.: 131 AS Loc.: 22 Date: 09/20/2001
Sample ID: 22761
µL dispensed: 10 from 36, 20 from 22

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-37.33	-37.33	-0.035	0.001	0.007	0.002	0.005	17:51:26	No

Element: Ti Seq. No.: 132 AS Loc.: 23 Date: 09/20/2001
Sample ID: 22762
µL dispensed: 10 from 36, 20 from 23

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-36.14	-36.14	-0.034	0.002	0.006	0.000	0.005	17:54:05	No

Element: Ti Seq. No.: 133 AS Loc.: 24 Date: 09/20/2001
Sample ID: 22913
µL dispensed: 10 from 36, 20 from 24

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-34.29	-34.29	-0.032	0.004	0.007	-0.003	0.005	17:56:45	No

Element: Ti Seq. No.: 134 AS Loc.: 25 Date: 09/20/2001
Sample ID: 22914
µL dispensed: 10 from 36, 20 from 25

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-36.57	-36.57	-0.035	0.002	0.007	0.001	0.005	17:59:27	No

Element: Ti Seq. No.: 135 AS Loc.: 26 Date: 09/20/2001
Sample ID: 22915
µL dispensed: 10 from 36, 20 from 26

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-36.47	-36.47	-0.034	0.002	0.006	0.001	0.004	18:02:11	No

Element: Ti Seq. No.: 136 AS Loc.: 2 Date: 09/20/2001
Sample ID: IPC
µL dispensed: 10 from 36, 20 from 2

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	98.16	98.16	0.102	0.139	0.115	0.009	0.009	18:04:52	No

QC value within specified limits.

Element: Ti Seq. No.: 137 AS Loc.: 3 Date: 09/20/2001
Sample ID: CB
µL dispensed: 10 from 36, 20 from 3

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-24.12	-24.12	-0.022	0.014	0.009	0.002	0.004	18:07:30	No

Element: Ti Seq. No.: 138 AS Loc.: 27 Date: 09/20/2001
Sample ID: 22915DUP
µL dispensed: 10 from 36, 20 from 27

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-32.19	-32.19	-0.030	0.006	0.008	0.002	0.005	18:10:12	No

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

Date: 09/20/2001
Technique: Furnace Calibration Equation: Calc. Intercept: Linear
Wavelength: 364.3 nm Slit Width: 0.20 nm
Lamp Current: 40 Energy: 57
Sample Info File: TI092001.SIF Results Data Set:

Element: Ti Seq. No.: 139 AS Loc.: 26 Date: 09/20/2001
Sample ID: 22915
µL dispensed: 10 from 36, 20 from 26

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-35.05	-35.05	-0.033	0.003	0.006	0.000	0.005	18:13:36	No

Element: Ti Seq. No.: 140 AS Loc.: 26 Date: 09/20/2001
Sample ID: 22915
µL dispensed: 5 from 36, 5 from 38, 20 from 26

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	33.66	33.66	0.037	0.073	0.060	0.010	0.009	18:16:25	No

Recovery is 67.3% (outside of specified limits)

Element: Ti Seq. No.: 141 AS Loc.: 26 Date: 09/20/2001
Sample ID: 22915
µL dispensed: 25 from 36, 5 from 26

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-120.9	-30.23	-0.028	0.008	0.008	0.001	0.006	18:19:09	No

Element: Ti Seq. No.: 142 AS Loc.: 26 Date: 09/20/2001
Sample ID: 22915
µL dispensed: 20 from 36, 5 from 38, 5 from 26

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	206.4	51.60	0.055	0.091	0.065	0.002	0.007	18:21:57	No

Recovery is 103.2%

Element: Ti Seq. No.: 146 AS Loc.: 30 Date: 09/20/2001
Sample ID: 22918
µL dispensed: 10 from 36, 20 from 30

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-23.02	-23.02	-0.021	0.016	0.014	0.000	0.005	18:34:02	No

22916 < Page did not print

22917 <

Element: Ti Seq. No.: 146 AS Loc.: 28 Date: 09/20/2001
Sample ID: 22916
µL dispensed: 10 from 36, 20 from 28

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-28.81	-28.81	-0.027	0.010	0.010	-0.001	0.005	18:37:05	No

Element: Ti Seq. No.: 147 AS Loc.: 31 Date: 09/20/2001
Sample ID: 22919
µL dispensed: 10 from 36, 20 from 31

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-32.27	-32.27	-0.030	0.006	0.007	0.000	0.004	18:40:50	No

Element: Ti Seq. No.: 148 AS Loc.: 32 Date: 09/20/2001
Sample ID: 22974
µL dispensed: 10 from 36, 20 from 32

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-33.72	-33.72	-0.032	0.005	0.008	-0.003	0.005	18:43:33	No

Element: Ti Seq. No.: 149 AS Loc.: 33 Date: 09/20/2001
Sample ID: 22975
µL dispensed: 10 from 36, 20 from 33

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-33.58	-33.58	-0.031	0.005	0.008	-0.002	0.004	18:46:14	No

Element: Ti Seq. No.: 150 AS Loc.: 34 Date: 09/20/2001
Sample ID: 22976
µL dispensed: 10 from 36, 20 from 34

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-33.93	-33.93	-0.032	0.005	0.009	0.000	0.006	18:48:52	No

Element: Ti Seq. No.: 151 AS Loc.: 35 Date: 09/20/2001
Sample ID: 22977
µL dispensed: 10 from 36, 20 from 35

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-36.82	-36.82	-0.035	0.002	0.006	0.005	0.005	18:51:31	No

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

Date: 09/20/2001
Technique: Furnace Calibration Equation: Calc. Intercept: Linear
Wavelength: 364.3 nm Slit Width: 0.20 nm
Lamp Current: 40 Energy: 57
Sample Info File: TI092001.SIF Results Data Set:

Element: Ti Seq. No.: 152 AS Loc.: 2 Date: 09/20/2001
Sample ID: IPC
µL dispensed: 10 from 36, 20 from 2

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	100.9	100.9	0.105	0.141	0.117	0.009	0.009	18:54:35	No

QC value within specified limits.

Element: Ti Seq. No.: 153 AS Loc.: 3 Date: 09/20/2001
Sample ID: CB
µL dispensed: 10 from 36, 20 from 3

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-24.66	-24.66	-0.022	0.014	0.017	0.001	0.005	18:57:13	No

Element: Ti Seq. No.: 154 AS Loc.: 39 Date: 09/20/2001
Sample ID: 22978
µL dispensed: 10 from 36, 20 from 39

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-30.67	-30.67	-0.029	0.008	0.008	-0.004	0.004	18:59:56	No

Element: Ti Seq. No.: 155 AS Loc.: 39 Date: 09/20/2001
Sample ID: 22978
µL dispensed: 5 from 36, 5 from 38, 20 from 39

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	41.32	41.32	0.045	0.081	0.066	0.001	0.005	19:02:47	No

Recovery is 82.6%

Element: Ti Seq. No.: 156 AS Loc.: 40 Date: 09/20/2001
Sample ID: 22979
µL dispensed: 10 from 36, 20 from 40

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-30.99	-30.99	-0.029	0.008	0.008	0.003	0.007	19:05:30	No

Element: Ti Seq. No.: 157 AS Loc.: 2 Date: 09/20/2001
Sample ID: IPC
µL dispensed: 10 from 36, 20 from 2

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	87.07	87.07	0.091	0.127	0.093	0.005	0.008	19:08:10	No

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

Element: Ti Seq. No.: 158 AS Loc.: 2 Date: 09/20/2001
Sample ID: IPC
µL dispensed: 10 from 36, 20 from 2

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	90.32	90.32	0.094	0.131	0.092	0.005	0.006	19:10:49	No

QC value within specified limits.

Element: Ti Seq. No.: 159 AS Loc.: 3 Date: 09/20/2001
Sample ID: CB
µL dispensed: 10 from 36, 20 from 3

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-19.55	-19.55	-0.017	0.019	0.013	0.003	0.005	19:13:28	No