

Sample Information File Untitled

Description : TiF 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
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1 QCS			
2 IPC			
3 CB			
4 LFB			
5 LRB			
6 22358			
7 22358DUP			
8 22359			
9 22360			
10 22470			
11 22471			
12 22472			
13 22476			
14 22477			
15 22478			
16 22542			
17 22543			
18 22544			
19 22545			
20 22546			
21 22547			
22 22548			
23 22549			
24 22550			
25 22551			
26 22552			
27 22552DUP			
28 22553			
29 22558			
30 22577			
31 22578			
32 22652			
33 22653			
34 22654			
35 22655			

ALL DEP

DATE ANALYZED 9/18/01
 TIME ANALYZED 4:42-7:21 PM
 ANALYST INITIALS JD
 REVIEWED BY M

QC Reviewed by,
 9/6 11/6/01

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

Date: 09/18/2001
 Technique: Furnace Calibration Equation: Calc. Intercept: Linear
 Wavelength: 364.3 nm Slit Width: 0.20 nm
 Lamp Current: 40 Energy: 56
 Sample Info File: Untitled Results Data Set:

Element: Ti Seq. No.: 91 AS Loc.: 36 Date: 09/18/2001
 Sample ID: Calib Blank
 µL dispensed: 10 from 36, 20 from 36

Repl #	SampleConc µg/L	StndConc µg/L	Blncorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1			-0.015	0.001	0.007	0.003	0.005	16:42:21	No

Auto-zero performed.

Element: Ti Seq. No.: 92 AS Loc.: 38 Date: 09/18/2001
 Sample ID: S50
 µL dispensed: 25 from 36, 5 from 38

Repl #	SampleConc µg/L	StndConc µg/L	Blncorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1			0.071	0.072	0.061	0.002	0.005	16:45:00	No

Standard number 1 applied. [50.0]
 Correlation Coefficient: 1.0000 Slope: 0.0014

Element: Ti Seq. No.: 93 AS Loc.: 38 Date: 09/18/2001
 Sample ID: S100
 µL dispensed: 20 from 36, 10 from 38

Repl #	SampleConc µg/L	StndConc µg/L	Blncorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1			0.135	0.136	0.106	0.005	0.007	16:47:45	No

Standard number 2 applied. [100.0]
 Correlation Coefficient: 0.9996 Slope: 0.0014

Element: Ti Seq. No.: 94 AS Loc.: 38 Date: 09/18/2001
 Sample ID: S150
 µL dispensed: 15 from 36, 15 from 38

Repl #	SampleConc µg/L	StndConc µg/L	Blncorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1			0.188	0.189	0.155	0.014	0.011	16:50:30	No

Standard number 3 applied. [150.0]
 Correlation Coefficient: 0.9979 Slope: 0.0013

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Element: Ti Seq. No.: 95 AS Loc.: 38 Date: 09/18/2001

Sample ID: S200

µL dispensed: 10 from 36, 20 from 38

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1			0.243	0.244	0.205	0.013	0.011	16:53:16	No

The calibration curve may not be linear.

Standard number 4 applied. [200.0]

Correlation Coefficient: 0.9980 / Slope: 0.0012

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Element: Ti Seq. No.: 96 AS Loc.: 1 Date: 09/18/2001

Sample ID: QCS

µL dispensed: 10 from 36, 20 from 1

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	111.6	111.6	0.142	0.142	0.113	0.006	0.007	16:57:23	No

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

=====

Element: Ti Seq. No.: 97 AS Loc.: 1 Date: 09/18/2001

Sample ID: QCS

µL dispensed: 10 from 36, 20 from 1

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	116.4	116.4	0.147	0.148	0.110	0.008	0.009	17:00:01	No

Out of limits

New QC will be prepared!

=====
 Element: Ti Seq. No.: 97 AS Loc.: 1 Date: 09/18/2001

Sample ID: QCS

μL dispensed: 10 from 36, 20 from 1

Repl #	SampleConc μg/L	StndConc μg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	95.89	95.89	0.123	0.123	0.100	0.008	0.007	17:06:00	No

 QC value within specified limits.
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 Element: Ti Seq. No.: 98 AS Loc.: 2 Date: 09/18/2001

Sample ID: IPC

μL dispensed: 10 from 36, 20 from 2

Repl #	SampleConc μg/L	StndConc μg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	97.13	97.13	0.124	0.125	0.105	0.008	0.007	17:08:37	No

 QC value within specified limits.
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 Element: Ti Seq. No.: 99 AS Loc.: 3 Date: 09/18/2001

Sample ID: CB

μL dispensed: 10 from 36, 20 from 3

Repl #	SampleConc μg/L	StndConc μg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	10.31	10.31	0.019	0.020	0.015	0.006	0.006	17:11:15	No

 =====

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 Element: Ti Seq. No.: 100 AS Loc.: 4 Date: 09/18/2001

Sample ID: LFB

μL dispensed: 10 from 36, 20 from 4

Repl #	SampleConc μg/L	StndConc μg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	187.5	187.5	0.233	0.234	0.196	0.017	0.013	17:13:56	No

 QC value within specified limits.
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 Element: Ti Seq. No.: 101 AS Loc.: 5 Date: 09/18/2001

Sample ID: LRB

μL dispensed: 10 from 36, 20 from 5

Repl #	SampleConc μg/L	StndConc μg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	17.59	17.59	0.028	0.029	0.018	0.003	0.005	17:16:37	No

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 Element: Ti Seq. No.: 102 AS Loc.: 6 Date: 09/18/2001

Sample ID: 22358

μL dispensed: 10 from 36, 20 from 6

Repl #	SampleConc μg/L	StndConc μg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	6.649	6.649	0.015	0.015	0.013	0.001	0.005	17:19:19	No

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Element: Ti Seq. No.: 103 AS Loc.: 6 Date: 09/18/2001

Sample ID: 22358

μL dispensed: 5 from 36, 5 from 38, 20 from 6

Repl #	SampleConc μg/L	StndConc μg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	47.12	47.12	0.064	0.064	0.050	0.005	0.008	17:22:08	No

Recovery is 80.9%

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Element: Ti Seq. No.: 104 AS Loc.: 7 Date: 09/18/2001

Sample ID: 22358DUP

μL dispensed: 10 from 36, 20 from 7

Repl #	SampleConc μg/L	StndConc μg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	3.432	3.432	0.011	0.011	0.013	0.002	0.005	17:24:51	No

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Element: Ti Seq. No.: 105 AS Loc.: 8 Date: 09/18/2001

Sample ID: 22359

μL dispensed: 10 from 36, 20 from 8

Repl #	SampleConc μg/L	StndConc μg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	2.154	2.154	0.009	0.010	0.008	0.003	0.006	17:27:36	No

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Element: Ti Seq. No.: 106 AS Loc.: 9 Date: 09/18/2001

Sample ID: 22360

μL dispensed: 10 from 36, 20 from 9

Repl #	SampleConc μg/L	StndConc μg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-1.136	-1.136	0.005	0.006	0.009	0.004	0.005	17:30:22	No

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Element: Ti Seq. No.: 107 AS Loc.: 10 Date: 09/18/2001

Sample ID: 22470

μL dispensed: 10 from 36, 20 from 10

Repl #	SampleConc μg/L	StndConc μg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-0.605	-0.605	0.006	0.007	0.007	0.003	0.005	17:33:09	No

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Element: Ti Seq. No.: 108 AS Loc.: 11 Date: 09/18/2001

Sample ID: 22471

μL dispensed: 10 from 36, 20 from 11

Repl #	SampleConc μg/L	StndConc μg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-2.209	-2.209	0.004	0.005	0.009	0.002	0.005	17:35:56	No

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Element: Ti Seq. No.: 109 AS Loc.: 12 Date: 09/18/2001

Sample ID: 22472

µL dispensed: 10 from 36, 20 from 12

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-2.605	-2.605	0.004	0.004	0.006	0.001	0.005	17:38:43	No

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Element: Ti Seq. No.: 110 AS Loc.: 13 Date: 09/18/2001

Sample ID: 22476

µL dispensed: 10 from 36, 20 from 13

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-4.148	-4.148	0.002	0.002	0.009	0.001	0.006	17:41:28	No

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Element: Ti Seq. No.: 111 AS Loc.: 14 Date: 09/18/2001

Sample ID: 22477

µL dispensed: 10 from 36, 20 from 14

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-3.179	-3.179	0.003	0.003	0.008	0.005	0.006	17:44:12	No

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Element: Ti Seq. No.: 112 AS Loc.: 2 Date: 09/18/2001

Sample ID: IPC

µL dispensed: 10 from 36, 20 from 2

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	78.57	78.57	0.102	0.102	0.091	0.007	0.008	17:46:53	No

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

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

Date: 09/18/2001
Technique: Furnace Calibration Equation: Calc. Intercept: Linear
Wavelength: 364.3 nm Slit Width: 0.20 nm
Lamp Current: 40 Energy: 56
Sample Info File: Untitled Results Data Set:

Element: Ti Seq. No.: 113 AS Loc.: 2 Date: 09/18/2001
Sample ID: IPC
μL dispensed: 10 from 36, 20 from 2

Repl #	SampleConc μg/L	StndConc μg/L	BlncCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	107.3	107.3	0.136	0.137	0.115	0.010	0.008	17:50:56	No

QC value within specified limits.

Element: Ti Seq. No.: 114 AS Loc.: 3 Date: 09/18/2001
Sample ID: CB
μL dispensed: 10 from 36, 20 from 3

Repl #	SampleConc μg/L	StndConc μg/L	BlncCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	8.328	8.328	0.017	0.017	0.011	0.001	0.006	17:53:33	No

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

Date: 09/18/2001
Technique: Furnace Calibration Equation: Calc. Intercept: Linear
Wavelength: 364.3 nm Slit Width: 0.20 nm
Lamp Current: 40 Energy: 56
Sample Info File: Untitled Results Data Set:

Element: Ti Seq. No.: 115 AS Loc.: 15 Date: 09/18/2001
Sample ID: 22478
μL dispensed: 10 from 36, 20 from 15

Repl #	SampleConc μg/L	StndConc μg/L	BlncCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-0.027	-0.027	0.007	0.007	0.009	0.004	0.005	17:57:00	No

Element: Ti Seq. No.: 116 AS Loc.: 16 Date: 09/18/2001
Sample ID: 22542
μL dispensed: 10 from 36, 20 from 16

Repl #	SampleConc μg/L	StndConc μg/L	BlncCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-0.059	-0.059	0.007	0.007	0.009	0.004	0.006	17:59:41	No

Element: Ti Seq. No.: 117 AS Loc.: 16 Date: 09/18/2001
Sample ID: 22542
μL dispensed: 5 from 36, 5 from 38, 20 from 16

Repl #	SampleConc μg/L	StndConc μg/L	BlncCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	46.76	46.76	0.063	0.064	0.054	0.005	0.007	18:02:33	No

Recovery is 93.5%

Element: Ti Seq. No.: 118 AS Loc.: 17 Date: 09/18/2001
Sample ID: 22543
μL dispensed: 10 from 36, 20 from 17

Repl #	SampleConc μg/L	StndConc μg/L	BlncCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	1.087	1.087	0.008	0.009	0.010	0.003	0.006	18:05:13	No

Element: Ti Seq. No.: 119 AS Loc.: 18 Date: 09/18/2001
Sample ID: 22544
μL dispensed: 10 from 36, 20 from 18

Repl #	SampleConc μg/L	StndConc μg/L	BlncCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-2.636	-2.636	0.004	0.004	0.008	0.003	0.005	18:07:52	No

Seq 120 - 125?

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Element: Ti Seq. No.: 126 AS Loc.: 2 Date: 09/18/2001

Sample ID: IPC

μL dispensed: 10 from 36, 20 from 2

Repl #	SampleConc μg/L	StdConc μg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	99.27	99.27	0.127	0.127	0.105	0.010	0.008	18:26:14	No

QC value within specified limits.

Seq 127

CB L

Seq 128

22550 L

Seq 129

22551 L

Seq 130

22552 L

Seq 131

22552 108.2% recovery

Seq 132

22552 dup L

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Element: Ti Seq. No.: 133 AS Loc.: 28 Date: 09/18/2001

Sample ID: 22553

 μ L dispensed: 10 from 36, 20 from 28

Repl	SampleConc	StdConc	BlnkCorr	Peak	Peak	Bkgnd	Bkgnd	Time	Peak
#	μ g/L	μ g/L	Signal	Area	Height	Area	Height		Stored
1	-2.773	-2.773	0.003	0.004	0.006	0.004	0.005	18:45:19	No

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Element: Ti Seq. No.: 134 AS Loc.: 29 Date: 09/18/2001

Sample ID: 22558

μL dispensed: 10 from 36, 20 from 29

Repl	SampleConc	StndConc	BlnkCorr	Peak	Peak	Bkgnd	Bkgnd	Time	Peak
#	μg/L	μg/L	Signal	Area	Height	Area	Height		Stored
1	-5.223	-5.223	0.000	0.001	0.009	0.001	0.006	18:48:10	No

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

Date: 09/18/2001
 Technique: Furnace Calibration Equation: Calc. Intercept: Linear
 Wavelength: 364.3 nm Slit Width: 0.20 nm
 Lamp Current: 40 Energy: 56
 Sample Info File: Untitled Results Data Set:

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

Date: 09/18/2001
 Technique: Furnace Calibration Equation: Calc. Intercept: Linear
 Wavelength: 364.3 nm Slit Width: 0.20 nm
 Lamp Current: 40 Energy: 56
 Sample Info File: Untitled Results Data Set:

Element: Ti Seq. No.: 135 AS Loc.: 30 Date: 09/18/2001

Sample ID: 22577

μL dispensed: 10 from 36, 20 from 30

Repl	SampleConc	StndConc	BlncCorr	Peak	Peak	Bkgnd	Bkgnd	Time	Peak
#	μg/L	μg/L	Signal	Area	Height	Area	Height		Stored
1	-3.654	-3.654	0.002	0.003	0.009	0.004	0.006	18:50:59	No

Autosampler Loading List

Sample Information File: Untitled
Methods: TiHGA

Location	Elements	Solution
1	Ti	QCS: 100.0000 µg/L
2	Ti	IPC: 100.0000 µg/L
3	Ti	CB
4	Ti	LFB: 200.0000 µg/L
5	Ti	LRB
15	Ti	Sample: 22478
16	Ti	Sample: 22542
17	Ti	Sample: 22543
18	Ti	Sample: 22544
19	Ti	Sample: 22545
20	Ti	Sample: 22546
21	Ti	Sample: 22547
22	Ti	Sample: 22548
23	Ti	Sample: 22549
24	Ti	Sample: 22550
25	Ti	Sample: 22551
26	Ti	Sample: 22552
27	Ti	Sample: 22552DUP
28	Ti	Sample: 22553
29	Ti	Sample: 22558
30	Ti	Sample: 22577
31	Ti	Sample: 22578
32	Ti	Sample: 22652
33	Ti	Sample: 22653
34	Ti	Sample: 22654
35	Ti	Sample: 22655
36	Ti	Calib Blank
	Ti	Diluent
38	Ti	Stock Standard: 200.000 µg/L
	Ti	Recovery Stock: 200.000 µg/L

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Element: Ti Seq. No.: 136 AS Loc.: 31 Date: 09/18/2001

Sample ID: 22578

μL dispensed: 10 from 36, 20 from 31

Repl	SampleConc	StndConc	BlnkCorr	Peak	Peak	Bkgnd	Bkgnd	Time	Peak
#	μg/L	μg/L	Signal	Area	Height	Area	Height		Stored
1	-4.839	-4.839	0.001	0.001	0.007	0.004	0.006	18:53:42	No

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Element: Ti Seq. No.: 137 AS Loc.: 32 Date: 09/18/2001

Sample ID: 22652

μL dispensed: 10 from 36, 20 from 32

Repl #	SampleConc μg/L	StndConc μg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-5.527	-5.527	0.000	0.001	0.006	0.004	0.006	18:56:24	No

=====

Element: Ti Seq. No.: 138 AS Loc.: 2 Date: 09/18/2001

Sample ID: IPC

μL dispensed: 10 from 36, 20 from 2

Repl #	SampleConc μg/L	StndConc μg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	92.83	92.83	0.119	0.120	0.104	0.008	0.008	18:59:06	No

QC value within specified limits.

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Element: Ti Seq. No.: 139 AS Loc.: 3 Date: 09/18/2001

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	3.501	3.501	0.011	0.012	0.011	0.004	0.004	19:01:44	No