

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

Date: 10/02/2001

Technique: Furnace

Wavelength: 364.3 nm

Lamp Current: 40

Sample Info File: Untitled

Calibration Equation: Calc. Intercept: Linear

Slit Width: 0.20 nm

Energy: 56

Results Data Set:

OCV?

Element: Ti Seq. No.: 260 AS Loc.: 6 Date: 10/02/2001

Sample ID: 23502

µL dispensed: 10 from 36, 20 from 6

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-9.460	-9.460	-0.002	0.000	0.006	0.001	0.005	13:24:02	No

Element: Ti Seq. No.: 261 AS Loc.: 6 Date: 10/02/2001

Sample ID: 23502

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

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	38.76	38.76	0.047	0.050	0.043	0.005	0.006	13:26:52	No

Recovery is 77.5%

Element: Ti Seq. No.: 262 AS Loc.: 7 Date: 10/02/2001

Sample ID: 23502DUP

µL dispensed: 10 from 36, 20 from 7

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-9.168	-9.168	-0.002	0.001	0.007	-0.004	0.005	13:29:35	No

Element: Ti Seq. No.: 263 AS Loc.: 8 Date: 10/02/2001

Sample ID: 23503

µL dispensed: 10 from 36, 20 from 8

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-11.25	-11.25	-0.004	-0.001	0.007	0.003	0.006	13:32:19	No

Element: Ti Seq. No.: 264 AS Loc.: 9 Date: 10/02/2001

Sample ID: 23605

µL dispensed: 10 from 36, 20 from 9

Repl #	SampleConc µg/L	StdConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-10.28	-10.28	-0.003	0.000	0.006	0.000	0.004	13:35:03	No

=====
 Element: Ti Seq. No.: 265 AS Loc.: 10 Date: 10/02/2001
 Sample ID: 23606
 µL dispensed: 10 from 36, 20 from 10
 =====

Repl #	SampleConc µg/L	StndConc µg/L	BlncCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-11.82	-11.82	-0.005	-0.002	0.006	0.001	0.004	13:37:50	No

=====
 Element: Ti Seq. No.: 266 AS Loc.: 11 Date: 10/02/2001
 Sample ID: 23607
 µL dispensed: 10 from 36, 20 from 11
 =====

Repl #	SampleConc µg/L	StndConc µg/L	BlncCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-11.76	-11.76	-0.005	-0.002	0.005	0.001	0.006	13:40:38	No

=====
 Element: Ti Seq. No.: 267 AS Loc.: 12 Date: 10/02/2001
 Sample ID: 23650
 µL dispensed: 10 from 36, 20 from 12
 =====

Repl #	SampleConc µg/L	StndConc µg/L	BlncCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-10.61	-10.61	-0.004	-0.001	0.008	0.001	0.005	13:43:27	No

=====
 Element: Ti Seq. No.: 268 AS Loc.: 13 Date: 10/02/2001
 Sample ID: 23651
 µL dispensed: 10 from 36, 20 from 13
 =====

Repl #	SampleConc µg/L	StndConc µg/L	BlncCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-12.42	-12.42	-0.006	-0.003	0.005	0.000	0.005	13:46:12	No

=====
 Element: Ti Seq. No.: 269 AS Loc.: 14 Date: 10/02/2001
 Sample ID: 23652
 µL dispensed: 10 from 36, 20 from 14
 =====

Repl #	SampleConc µg/L	StndConc µg/L	BlncCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-13.22	-13.22	-0.006	-0.003	0.006	0.004	0.006	13:48:58	No

=====
 Element: Ti Seq. No.: 270 AS Loc.: 2 Date: 10/02/2001
 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	97.23	97.23	0.108	0.111	0.094	0.006	0.008	13:51:39	No

QC value within specified limits.

=====
 Element: Ti Seq. No.: 271 AS Loc.: 3 Date: 10/02/2001
 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	-6.377	-6.377	0.001	0.004	0.009	0.004	0.007	13:54:17	No

=====
 Element: Ti Seq. No.: 272 AS Loc.: 15 Date: 10/02/2001
 Sample ID: 23653
 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	-7.378	-7.378	0.000	0.003	0.007	-0.003	0.004	13:56:58	No

=====
 Element: Ti Seq. No.: 273 AS Loc.: 16 Date: 10/02/2001
 Sample ID: 23654
 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	-9.114	-9.114	-0.002	0.001	0.006	0.002	0.005	13:59:39	No

=====
 Element: Ti Seq. No.: 274 AS Loc.: 16 Date: 10/02/2001
 Sample ID: 23654
 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	39.07	39.07	0.048	0.051	0.043	0.006	0.007	14:02:31	No

Recovery is 78.1%

=====
 Element: Ti Seq. No.: 275 AS Loc.: 17 Date: 10/02/2001
 Sample ID: 23655
 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	-9.327	-9.327	-0.002	0.001	0.006	0.002	0.007	14:05:11	No

=====
 Element: Ti Seq. No.: 276 AS Loc.: 18 Date: 10/02/2001
 Sample ID: 23656
 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	-8.993	-8.993	-0.002	0.001	0.006	0.001	0.005	14:07:51	No

Element: Ti Seq. No.: 277 AS Loc.: 19 Date: 10/02/2001
 Sample ID: 23697
 µL dispensed: 10 from 36, 20 from 19

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-12.78	-12.78	-0.006	-0.003	0.004	0.000	0.005	14:10:29	No

Element: Ti Seq. No.: 278 AS Loc.: 20 Date: 10/02/2001
 Sample ID: 23698
 µL dispensed: 10 from 36, 20 from 20

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-12.24	-12.24	-0.005	-0.002	0.006	-0.002	0.006	14:13:06	No

Element: Ti Seq. No.: 279 AS Loc.: 21 Date: 10/02/2001
 Sample ID: 23699
 µL dispensed: 10 from 36, 20 from 21

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-10.36	-10.36	-0.003	0.000	0.007	-0.001	0.004	14:15:43	No

Element: Ti Seq. No.: 280 AS Loc.: 22 Date: 10/02/2001
 Sample ID: 23717
 µL dispensed: 10 from 36, 20 from 22

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-11.38	-11.38	-0.004	-0.002	0.005	-0.002	0.004	14:18:20	No

Element: Ti Seq. No.: 281 AS Loc.: 23 Date: 10/02/2001
 Sample ID: 23718
 µL dispensed: 10 from 36, 20 from 23

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-11.74	-11.74	-0.005	-0.002	0.006	0.002	0.005	14:20:58	No

Element: Ti Seq. No.: 282 AS Loc.: 2 Date: 10/02/2001
 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	104.7	104.7	0.116	0.119	0.101	0.007	0.007	14:23:37	No

QC value within specified limits.

Element: Ti Seq. No.: 283 AS Loc.: 3 Date: 10/02/2001
 Sample ID: CB
 µL dispensed: 10 from 36, 20 from 3

Repl #	SampleConc µg/L	StdConc µg/L	BlncCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	5.036	-5.036	0.002	0.005	0.008	0.002	0.005	14:26:15	No

Element: Ti Seq. No.: 284 AS Loc.: 24 Date: 10/02/2001
 Sample ID: 23719
 µL dispensed: 10 from 36, 20 from 24

Repl #	SampleConc µg/L	StdConc µg/L	BlncCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	10.08	-10.08	-0.003	0.000	0.007	0.002	0.006	14:28:58	No

Element: Ti Seq. No.: 285 AS Loc.: 25 Date: 10/02/2001
 Sample ID: 23720
 µL dispensed: 10 from 36, 20 from 25

Repl #	SampleConc µg/L	StdConc µg/L	BlncCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	10.55	-10.55	-0.004	-0.001	0.005	0.003	0.005	14:31:40	No

Element: Ti Seq. No.: 286 AS Loc.: 26 Date: 10/02/2001
 Sample ID: 23721
 µL dispensed: 10 from 36, 20 from 26

Repl #	SampleConc µg/L	StdConc µg/L	BlncCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	11.63	-11.63	-0.005	-0.002	0.005	0.007	0.006	14:34:24	No

Element: Ti Seq. No.: 287 AS Loc.: 26 Date: 10/02/2001
 Sample ID: 23721
 µL dispensed: 5 from 36, 5 from 38, 20 from 26

Repl #	SampleConc µg/L	StdConc µg/L	BlncCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	27.06	27.06	0.035	0.038	0.035	0.003	0.007	14:37:13	No

Recovery is 54.18% (outside of specified limits)

Element: Ti Seq. No.: 288 AS Loc.: 26 Date: 10/02/2001
 Sample ID: 23721
 µL dispensed: 25 from 36, 5 from 26

Repl #	SampleConc µg/L	StdConc µg/L	BlncCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	35.26	-8.814	-0.002	0.001	0.007	-0.002	0.004	14:39:58	No

=====
 Element: Ti Seq. No.: 289 AS Loc.: 26 Date: 10/02/2001
 Sample ID: 23721
 µL dispensed: 20 from 36, 5 from 38, 5 from 26
 =====

Repl #	SampleConc µg/L	StndConc µg/L	BlncCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	178.1	44.52	0.053	0.056	0.045	0.004	0.006	14:42:48	No

Recovery is 89.0% ✓

=====
 Element: Ti Seq. No.: 290 AS Loc.: 27 Date: 10/02/2001
 Sample ID: 23721DUP
 µL dispensed: 10 from 36, 20 from 27
 =====

Repl #	SampleConc µg/L	StndConc µg/L	BlncCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-11.30	-11.30	-0.004	-0.001	0.005	0.005	0.005	14:45:33	No

=====
 Element: Ti Seq. No.: 291 AS Loc.: 28 Date: 10/02/2001
 Sample ID: 23722
 µL dispensed: 10 from 36, 20 from 28
 =====

Repl #	SampleConc µg/L	StndConc µg/L	BlncCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-6.932	-6.932	0.000	0.003	0.007	-0.002	0.004	14:48:20	No

=====
 Element: Ti Seq. No.: 292 AS Loc.: 29 Date: 10/02/2001
 Sample ID: 23723
 µL dispensed: 10 from 36, 20 from 29
 =====

Repl #	SampleConc µg/L	StndConc µg/L	BlncCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-10.87	-10.87	-0.004	-0.001	0.006	0.004	0.006	14:51:07	No

=====
 Element: Ti Seq. No.: 293 AS Loc.: 30 Date: 10/02/2001
 Sample ID: 23797
 µL dispensed: 10 from 36, 20 from 30
 =====

Repl #	SampleConc µg/L	StndConc µg/L	BlncCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-13.69	-13.69	-0.007	-0.004	0.006	0.001	0.005	14:53:52	No

=====
 Element: Ti Seq. No.: 294 AS Loc.: 2 Date: 10/02/2001
 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	95.05	95.05	0.106	0.109	0.088	0.006	0.008	14:56:34	No

QC value within specified limits.

=====
 Element: Ti Seq. No.: 295 AS Loc.: 3 Date: 10/02/2001
 Sample ID: CB
 µL dispensed: 10 from 36, 20 from 3

Repl #	SampleConc µg/L	StdConc µg/L	BlncCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-7.983	-7.983	-0.001	0.002	0.008	0.004	0.005	14:59:12	No

=====
 Element: Ti Seq. No.: 296 AS Loc.: 31 Date: 10/02/2001
 Sample ID: 23798
 µL dispensed: 10 from 36, 20 from 31

Repl #	SampleConc µg/L	StdConc µg/L	BlncCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-10.16	-10.16	-0.003	0.000	0.006	0.001	0.005	15:01:53	No

=====
 Element: Ti Seq. No.: 297 AS Loc.: 32 Date: 10/02/2001
 Sample ID: 23799
 µL dispensed: 10 from 36, 20 from 32

Repl #	SampleConc µg/L	StdConc µg/L	BlncCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-9.365	-9.365	-0.002	0.001	0.006	0.003	0.005	15:04:36	No

=====
 Element: Ti Seq. No.: 298 AS Loc.: 33 Date: 10/02/2001
 Sample ID: 23833
 µL dispensed: 10 from 36, 20 from 33

Repl #	SampleConc µg/L	StdConc µg/L	BlncCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-10.76	-10.76	-0.004	-0.001	0.006	0.002	0.005	15:07:17	No

=====
 Element: Ti Seq. No.: 299 AS Loc.: 34 Date: 10/02/2001
 Sample ID: 23834
 µL dispensed: 10 from 36, 20 from 34

Repl #	SampleConc µg/L	StdConc µg/L	BlncCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-11.62	-11.62	-0.005	-0.002	0.006	0.005	0.006	15:09:56	No

=====
 Element: Ti Seq. No.: 300 AS Loc.: 35 Date: 10/02/2001
 Sample ID: 23835
 µL dispensed: 10 from 36, 20 from 35

Repl #	SampleConc µg/L	StdConc µg/L	BlncCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-10.51	-10.51	-0.004	-0.001	0.005	-0.003	0.005	15:12:35	No

=====
 Element: Ti Seq. No.: 301 AS Loc.: 2 Date: 10/02/2001
 Sample ID: IPC
 µL dispensed: 10 from 36, 20 from 2

Repl #	SampleConc µg/L	StdConc µg/L	BlncCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	93.42	93.42	0.104	0.107	0.082	0.008	0.007	15:15:12	No

QC value within specified limits.

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=====
. . Element: Ti      Seq. No.: 302      AS Loc.: 3      Date: 10/02/2001
Sample ID: CB
µL dispensed: 10 from 36, 20 from 3
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Repl	SampleConc	StndConc	BlnkCorr	Peak	Peak	Bkgnd	Bkgnd	Time	Peak
#	µg/L	µg/L	Signal	Area	Height	Area	Height		Stored
1	-6.274	-6.274	0.001	0.004	0.008	0.004	0.005	15:17:51	No