

Sample Information File Untitled

Description : T1F POTABLE 2nd RUN
 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	24472		
7	24472DUP		
8	24473		
9	24474		
10	24475		
11	24476		
12	24477		
13	24478		
14	24479		
15	24480		
16	24481		
17	24482		
18	24483		
19	24484		
20	24485		
21	24486		
22	24487		
23	24488		
24	24489		
25	24490		
26	24491		
27	24491DUP		
28	24492		
29	24493		
30	24640		
31	24641		
32	24642		
33	24429		
34	24430		
35	24431		
39	24437		
40	24439		

batches 14828-30

Still QC
Problems

DATE ANALYZED 10/10/01
 TIME ANALYZED PM?
 ANALYST INITIALS LD
 REVIEWED BY See Notebook

QC Reviewed
 10/11/01

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=====
Method Name: TlHGAlow      Element: Tl
Method Description: Tlhga EPA 200.9

Date: 10/10/2001
Technique: Furnace         Calibration Equation: Calc. Intercept: Linear
Wavelength: 276.8 nm      Slit Width: 0.70 nm
Lamp Current: 6           Energy: 52
Sample Info File: Untitled Results Data Set:
    
```

Method Name: TlHGAlow Element: Tl
Method Description: Tlhga EPA 200.9

Date: 10/10/2001
Technique: Furnace Calibration Equation: Calc. Intercept: Linear
Wavelength: 276.8 nm Slit Width: 0.70 nm
Lamp Current: 6 Energy: 52
Sample Info File: Untitled Results Data Set:

CCV?

Element: Tl AS Loc.: 6 Date: 10/10/2001
Sample ID: 24472
µL dispensed: 10 from 36, 5 from 37, 20 from 6
µL dispensed: 10 from 36, 5 from 37, 20 from 6

Repl #	Sample Conc µg/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	-0.366	-0.002	-0.005	0.040	14:30:05	No

Element: Tl AS Loc.: 6 Date: 10/10/2001
Sample ID: 24472
µL dispensed: 5 from 37, 10 from 38, 20 from 6
µL dispensed: 5 from 37, 10 from 38, 20 from 6

Repl #	Sample Conc µg/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	5.111	0.046	0.044	0.064	14:34:14	No

Recovery is 102.2%

Element: Tl AS Loc.: 7 Date: 10/10/2001
Sample ID: 24472DUP
µL dispensed: 10 from 36, 5 from 37, 20 from 7
µL dispensed: 10 from 36, 5 from 37, 20 from 7

Repl #	Sample Conc µg/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	-0.180	-0.001	-0.003	0.031	14:38:31	No

Element: Tl AS Loc.: 8 Date: 10/10/2001
Sample ID: 24473
µL dispensed: 10 from 36, 5 from 37, 20 from 8
µL dispensed: 10 from 36, 5 from 37, 20 from 8

Repl #	Sample Conc µg/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	-0.261	-0.001	-0.004	0.037	14:42:50	No

Element: Tl AS Loc.: 9 Date: 10/10/2001
Sample ID: 24474
µL dispensed: 10 from 36, 5 from 37, 20 from 9
µL dispensed: 10 from 36, 5 from 37, 20 from 9

Repl #	Sample Conc µg/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	-0.103	0.000	-0.002	0.037	14:47:13	No

=====
Element: Tl AS Loc.: 10 Date: 10/10/2001
Sample ID: 24475
µL dispensed: 10 from 36, 5 from 37, 20 from 10
µL dispensed: 10 from 36, 5 from 37, 20 from 10
=====

Repl	SampleConc	BlkCorr	Peak	Bkgnd	Time	Peak
#	µg/L	Signal	Area	Area		Stored
1	-0.664	-0.005	-0.007	0.046	14:51:34	No

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Element: Tl AS Loc.: 11 Date: 10/10/2001
Sample ID: 24476
µL dispensed: 10 from 36, 5 from 37, 20 from 11
µL dispensed: 10 from 36, 5 from 37, 20 from 11
=====

Repl	SampleConc	BlkCorr	Peak	Bkgnd	Time	Peak
#	µg/L	Signal	Area	Area		Stored
1	0.068	0.002	-0.001	0.062	14:55:57	No

=====

=====
Element: Tl AS Loc.: 12 Date: 10/10/2001
Sample ID: 24477
µL dispensed: 10 from 36, 5 from 37, 20 from 12
µL dispensed: 10 from 36, 5 from 37, 20 from 12
=====

Repl	SampleConc	BlkCorr	Peak	Bkgnd	Time	Peak
#	µg/L	Signal	Area	Area		Stored
1	0.018	0.001	-0.001	0.040	15:00:22	No

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Element: Tl AS Loc.: 13 Date: 10/10/2001
Sample ID: 24478
µL dispensed: 10 from 36, 5 from 37, 20 from 13
µL dispensed: 10 from 36, 5 from 37, 20 from 13
=====

Repl	SampleConc	BlkCorr	Peak	Bkgnd	Time	Peak
#	µg/L	Signal	Area	Area		Stored
1	0.201	0.003	0.000	0.036	15:04:49	No

=====

=====
Element: Tl AS Loc.: 14 Date: 10/10/2001
Sample ID: 24479
µL dispensed: 10 from 36, 5 from 37, 20 from 14
µL dispensed: 10 from 36, 5 from 37, 20 from 14
=====

Repl	SampleConc	BlkCorr	Peak	Bkgnd	Time	Peak
#	µg/L	Signal	Area	Area		Stored
1	-0.204	-0.001	-0.003	0.042	15:09:13	No

=====

=====
Element: Tl AS Loc.: 2 Date: 10/10/2001
Sample ID: IPC
µL dispensed: 10 from 36, 5 from 37, 20 from 2
µL dispensed: 10 from 36, 5 from 37, 20 from 2
=====

Repl	SampleConc	BlkCorr	Peak	Bkgnd	Time	Peak
#	µg/L	Signal	Area	Area		Stored
1	5.479	0.049	0.047	0.041	15:13:27	No

QC value within specified limits.

Element: Tl AS Loc.: 3 Date: 10/10/2001
 Sample ID: CB
 µL dispensed: 10 from 36, 5 from 37, 20 from 3
 µL dispensed: 10 from 36, 5 from 37, 20 from 3

Repl #	Sample Conc µg/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	-0.446	-0.003	-0.005	0.001	15:17:37	No

Element: Tl AS Loc.: 15 Date: 10/10/2001
 Sample ID: 24480
 µL dispensed: 10 from 36, 5 from 37, 20 from 15
 µL dispensed: 10 from 36, 5 from 37, 20 from 15

Repl #	Sample Conc µg/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	-0.212	-0.001	-0.003	0.037	15:21:59	No

Element: Tl AS Loc.: 16 Date: 10/10/2001
 Sample ID: 24481
 µL dispensed: 10 from 36, 5 from 37, 20 from 16
 µL dispensed: 10 from 36, 5 from 37, 20 from 16

Repl #	Sample Conc µg/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	-0.170	0.000	-0.003	0.038	15:26:21	No

Element: Tl AS Loc.: 16 Date: 10/10/2001
 Sample ID: 24481
 µL dispensed: 5 from 37, 10 from 38, 20 from 16
 µL dispensed: 5 from 37, 10 from 38, 20 from 16

Repl #	Sample Conc µg/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	4.787	0.043	0.041	0.078	15:30:44	No

Recovery is 95.7%

Element: Tl AS Loc.: 17 Date: 10/10/2001
 Sample ID: 24482
 µL dispensed: 10 from 36, 5 from 37, 20 from 17
 µL dispensed: 10 from 36, 5 from 37, 20 from 17

Repl #	Sample Conc µg/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	-0.310	-0.002	-0.004	0.039	15:35:04	No

Element: Tl AS Loc.: 18 Date: 10/10/2001
 Sample ID: 24483
 µL dispensed: 10 from 36, 5 from 37, 20 from 18
 µL dispensed: 10 from 36, 5 from 37, 20 from 18

Repl #	Sample Conc µg/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	0.037	0.001	-0.001	0.031	15:39:21	No

Element: Tl AS Loc.: 19 Date: 10/10/2001
 Sample ID: 24484
 µL dispensed: 10 from 36, 5 from 37, 20 from 19
 µL dispensed: 10 from 36, 5 from 37, 20 from 19

Repl #	Sample Conc µg/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	-0.134	0.000	-0.002	0.039	15:43:35	No

Element: Tl AS Loc.: 20 Date: 10/10/2001
 Sample ID: 24485
 µL dispensed: 10 from 36, 5 from 37, 20 from 20
 µL dispensed: 10 from 36, 5 from 37, 20 from 20

Repl #	Sample Conc µg/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	-0.041	0.001	-0.002	0.018	15:47:47	No

Element: Tl AS Loc.: 21 Date: 10/10/2001
 Sample ID: 24486
 µL dispensed: 10 from 36, 5 from 37, 20 from 21
 µL dispensed: 10 from 36, 5 from 37, 20 from 21

Repl #	Sample Conc µg/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	-0.680	-0.005	-0.007	0.247	15:51:58	No

Element: Tl AS Loc.: 22 Date: 10/10/2001
 Sample ID: 24487
 µL dispensed: 10 from 36, 5 from 37, 20 from 22
 µL dispensed: 10 from 36, 5 from 37, 20 from 22

Repl #	Sample Conc µg/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	-0.320	-0.002	-0.004	0.019	15:56:08	No

Element: Tl AS Loc.: 23 Date: 10/10/2001
 Sample ID: 24488
 µL dispensed: 10 from 36, 5 from 37, 20 from 23
 µL dispensed: 10 from 36, 5 from 37, 20 from 23

Repl #	Sample Conc µg/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	0.091	0.002	0.000	0.242	16:00:18	No

Element: Tl AS Loc.: 2 Date: 10/10/2001
 Sample ID: IPC
 µL dispensed: 10 from 36, 5 from 37, 20 from 2
 µL dispensed: 10 from 36, 5 from 37, 20 from 2

Repl #	Sample Conc µg/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	4.630	0.042	0.039	0.042	16:04:28	No

QC value within specified limits.

=====
Element: Tl AS Loc.: 3 Date: 10/10/2001
Sample ID: CB
µL dispensed: 10 from 36, 5 from 37, 20 from 3
µL dispensed: 10 from 36, 5 from 37, 20 from 3
=====

Repl	SampleConc	BlkCorr	Peak	Bkgnd	Time	Peak
#	µg/L	Signal	Area	Area		Stored
1	-0.204	-0.001	-0.003	0.002	16:08:39	No

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Element: Tl AS Loc.: 24 Date: 10/10/2001
Sample ID: 24489
µL dispensed: 10 from 36, 5 from 37, 20 from 24
µL dispensed: 10 from 36, 5 from 37, 20 from 24
=====

Repl	SampleConc	BlkCorr	Peak	Bkgnd	Time	Peak
#	µg/L	Signal	Area	Area		Stored
1	-0.515	-0.004	-0.006	0.025	16:12:50	No

=====

=====
Element: Tl AS Loc.: 25 Date: 10/10/2001
Sample ID: 24490
µL dispensed: 10 from 36, 5 from 37, 20 from 25
µL dispensed: 10 from 36, 5 from 37, 20 from 25
=====

Repl	SampleConc	BlkCorr	Peak	Bkgnd	Time	Peak
#	µg/L	Signal	Area	Area		Stored
1	-0.145	0.000	-0.003	0.014	16:17:05	No

=====

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Element: Tl AS Loc.: 26 Date: 10/10/2001
Sample ID: 24491
µL dispensed: 10 from 36, 5 from 37, 20 from 26
µL dispensed: 10 from 36, 5 from 37, 20 from 26
=====

Repl	SampleConc	BlkCorr	Peak	Bkgnd	Time	Peak
#	µg/L	Signal	Area	Area		Stored
1	-0.119	0.000	-0.002	0.019	16:21:24	No

=====

=====
Element: Tl AS Loc.: 26 Date: 10/10/2001
Sample ID: 24491
µL dispensed: 5 from 37, 10 from 38, 20 from 26
µL dispensed: 5 from 37, 10 from 38, 20 from 26
=====

Repl	SampleConc	BlkCorr	Peak	Bkgnd	Time	Peak
#	µg/L	Signal	Area	Area		Stored
1	4.203	0.038	0.036	0.044	16:25:34	No

Recovery is 84.1% (outside of specified limits)

=====
Element: Tl AS Loc.: 27 Date: 10/10/2001
Sample ID: 24491DUP
µL dispensed: 10 from 36, 5 from 37, 20 from 27
µL dispensed: 10 from 36, 5 from 37, 20 from 27
=====

Repl	SampleConc	BlkCorr	Peak	Bkgnd	Time	Peak
#	µg/L	Signal	Area	Area		Stored
1	-0.049	0.001	-0.002	0.029	16:31:57	No

=====

=====
Element: Tl AS Loc.: 28 Date: 10/10/2001
Sample ID: 24492
µL dispensed: 10 from 36, 5 from 37, 20 from 28
µL dispensed: 10 from 36, 5 from 37, 20 from 28
=====

Repl	SampleConc	BlkCorr	Peak	Bkgnd	Time	Peak
#	µg/L	Signal	Area	Area		Stored
1	-0.283	-0.001	-0.004	0.017	16:36:21	No

=====

=====
Element: Tl AS Loc.: 29 Date: 10/10/2001
Sample ID: 24493
µL dispensed: 10 from 36, 5 from 37, 20 from 29
µL dispensed: 10 from 36, 5 from 37, 20 from 29
=====

Repl	SampleConc	BlkCorr	Peak	Bkgnd	Time	Peak
#	µg/L	Signal	Area	Area		Stored
1	-0.788	-0.006	-0.008	0.097	16:40:49	No

=====

=====
Element: Tl AS Loc.: 30 Date: 10/10/2001
Sample ID: 24640
µL dispensed: 10 from 36, 5 from 37, 20 from 30
µL dispensed: 10 from 36, 5 from 37, 20 from 30
=====

Repl	SampleConc	BlkCorr	Peak	Bkgnd	Time	Peak
#	µg/L	Signal	Area	Area		Stored
1	-0.239	-0.001	-0.003	0.019	16:45:13	No

=====

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Element: Tl AS Loc.: 31 Date: 10/10/2001
Sample ID: 24641
µL dispensed: 10 from 36, 5 from 37, 20 from 31
µL dispensed: 10 from 36, 5 from 37, 20 from 31
=====

Repl	SampleConc	BlkCorr	Peak	Bkgnd	Time	Peak
#	µg/L	Signal	Area	Area		Stored
1	0.463	0.005	0.003	0.019	16:49:38	No

=====

=====
Element: Tl AS Loc.: 32 Date: 10/10/2001
Sample ID: 24642
µL dispensed: 10 from 36, 5 from 37, 20 from 32
µL dispensed: 10 from 36, 5 from 37, 20 from 32
=====

Repl	SampleConc	BlkCorr	Peak	Bkgnd	Time	Peak
#	µg/L	Signal	Area	Area		Stored
1	0.753	0.008	0.005	0.209	16:54:01	No

=====

Element: Tl AS Loc.: 2 Date: 10/10/2001
 Sample ID: IPC
 µL dispensed: 10 from 36, 5 from 37, 20 from 2
 µL dispensed: 10 from 36, 5 from 37, 20 from 2

Repl	Sample Conc	Blnk Corr	Peak	Bkgnd	Time	Peak
#	µg/L	Signal	Area	Area		Stored
1	3.538	0.032	0.030	0.030	16:58:15	No

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

=====
 Element: Tl AS Loc.: 2 Date: 10/10/2001
 Sample ID: IPC
 µL dispensed: 10 from 36, 5 from 37, 20 from 2
 µL dispensed: 10 from 36, 5 from 37, 20 from 2
 =====

Repl	Sample Conc	BlkCorr	Peak	Bkgnd	Time	Peak
#	µg/L	Signal	Area	Area		Stored
1	4.089	0.037	0.035	0.033	17:02:27	No

QC out of limits. Current analytical sequence continued.

Method Name: TlHGAlow Element: Tl
Method Description: Tlhga EPA 200.9

Date: 10/10/2001
Technique: Furnace Calibration Equation: Calc. Intercept: Linear
Wavelength: 276.8 nm Slit Width: 0.70 nm
Lamp Current: 6 Energy: 52
Sample Info File: Untitled Results Data Set:

Element: Tl AS Loc.: 2 Date: 10/10/2001
Sample ID: IPC
µL dispensed: 10 from 36, 5 from 37, 20 from 2
µL dispensed: 10 from 36, 5 from 37, 20 from 2

Repl #	Sample Conc µg/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	5.490	0.049	0.047	0.045	17:07:32	No

QC value within specified limits.

Element: Tl AS Loc.: 3 Date: 10/10/2001
Sample ID: CB
µL dispensed: 10 from 36, 5 from 37, 20 from 3
µL dispensed: 10 from 36, 5 from 37, 20 from 3

Repl #	Sample Conc µg/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	0.569	0.006	0.004	-0.001	17:11:41	No

Element: Tl AS Loc.: 33 Date: 10/10/2001
Sample ID: 24429
µL dispensed: 10 from 36, 5 from 37, 20 from 33
µL dispensed: 10 from 36, 5 from 37, 20 from 33

Repl #	Sample Conc µg/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	0.222	-0.001	-0.003	0.016	17:16:00	No

Element: Tl AS Loc.: 34 Date: 10/10/2001
Sample ID: 24430
µL dispensed: 10 from 36, 5 from 37, 20 from 34
µL dispensed: 10 from 36, 5 from 37, 20 from 34

Repl #	Sample Conc µg/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	-0.145	0.000	-0.003	0.018	17:20:16	No

Element: Tl AS Loc.: 35 Date: 10/10/2001
Sample ID: 24431
µL dispensed: 10 from 36, 5 from 37, 20 from 35
µL dispensed: 10 from 36, 5 from 37, 20 from 35

Repl #	Sample Conc µg/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	-0.660	-0.005	-0.007	0.220	17:24:29	No

=====
 Element: Tl AS Loc.: 35 Date: 10/10/2001
 Sample ID: 24431
 µL dispensed: 5 from 37, 10 from 38, 20 from 35
 µL dispensed: 5 from 37, 10 from 38, 20 from 35
 =====

Repl #	Sample Conc µg/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	3.204	0.029	0.027	0.224	17:28:50	No

Recovery is 64.1% (outside of specified limits)

=====
 Element: Tl AS Loc.: 35 Date: 10/10/2001
 Sample ID: 24431
 µL dispensed: 25 from 36, 5 from 37, 5 from 35
 µL dispensed: 25 from 36, 5 from 37, 5 from 35
 =====

Repl #	Sample Conc µg/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	0.157	0.001	-0.001	0.047	17:33:02	No

=====
 Element: Tl AS Loc.: 35 Date: 10/10/2001
 Sample ID: 24431
 µL dispensed: 15 from 36, 5 from 37, 10 from 38, 5 from 35
 µL dispensed: 15 from 36, 5 from 37, 10 from 38, 5 from 35
 =====

Repl #	Sample Conc µg/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	15.70	0.036	0.033	0.062	17:37:35	No

Recovery is 77.7%

=====
 Element: Tl AS Loc.: 2 Date: 10/10/2001
 Sample ID: IPC
 µL dispensed: 10 from 36, 5 from 37, 20 from 2
 µL dispensed: 10 from 36, 5 from 37, 20 from 2
 =====

Repl #	Sample Conc µg/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	5.360	0.048	0.046	0.033	17:41:45	No

QC value within specified limits.

=====
 Element: Tl AS Loc.: 3 Date: 10/10/2001
 Sample ID: CB
 µL dispensed: 10 from 36, 5 from 37, 20 from 3
 µL dispensed: 10 from 36, 5 from 37, 20 from 3
 =====

Repl #	Sample Conc µg/L	BlkCorr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	-0.168	0.000	-0.003	0.001	17:45:55	No

Method Name: TlHGAlow Element: Tl
Method Description: Tlhga EPA 200.9

Date: 10/10/2001

Technique: Furnace

Wavelength: 276.8 nm

Lamp Current: 6

Sample Info File: Untitled

Calibration Equation: Calc. Intercept: Linear

Slit Width: 0.70 nm

Energy: 52

Results Data Set:

Element: Tl AS Loc.: 39 Date: 10/10/2001

Sample ID: 24437

µL dispensed: 10 from 36, 5 from 37, 20 from 39

µL dispensed: 10 from 36, 5 from 37, 20 from 39

Repl #	Sample Conc µg/L	Blnk Corr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	-0.196	-0.001	-0.003	0.151	17:51:04	No

Element: Tl AS Loc.: 40 Date: 10/10/2001

Sample ID: 24439

µL dispensed: 10 from 36, 5 from 37, 20 from 40

µL dispensed: 10 from 36, 5 from 37, 20 from 40

Repl #	Sample Conc µg/L	Blnk Corr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	0.451	0.005	0.003	0.085	17:55:27	No

Element: Tl AS Loc.: 2 Date: 10/10/2001

Sample ID: IPC

µL dispensed: 10 from 36, 5 from 37, 20 from 2

µL dispensed: 10 from 36, 5 from 37, 20 from 2

Repl #	Sample Conc µg/L	Blnk Corr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	5.332	0.048	0.046	0.034	17:59:37	No

QC value within specified limits.

Element: Tl AS Loc.: 3 Date: 10/10/2001

Sample ID: CB

µL dispensed: 10 from 36, 5 from 37, 20 from 3

µL dispensed: 10 from 36, 5 from 37, 20 from 3

Repl #	Sample Conc µg/L	Blnk Corr Signal	Peak Area	Bkgnd Area	Time	Peak Stored
1	0.112	0.002	0.000	0.000	18:03:46	No