

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1

SDG No.: _____

Lab Sample ID: ICV 320-3377/11 Calibration Date: 09/01/2012 17:51

Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50

GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 09/01/2012 16:31

Lab File ID: A-000015.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	125.8	129.4		514	500	2.8	20.0
RDX	Ave	88.99	86.72		487	500	-2.5	20.0
Ethylene glycol dinitrate	Ave	96.86	112.1		579	500	15.7	20.0
1,3,5-Trinitrobenzene	Ave	162.7	158.6		488	500	-2.5	20.0
1,3-Dinitrobenzene	Ave	161.7	155.7		481	500	-3.7	20.0
3,5-Dinitroaniline	Ave	103.9	108.4		522	500	4.3	20.0
Tetryl	Ave	86.55	92.08		532	500	6.4	20.0
Nitrobenzene	Ave	73.74	71.77		487	500	-2.7	20.0
Nitroglycerin	Ave	64.89	64.13		494	500	-1.2	20.0
2,4,6-Trinitrotoluene	Ave	92.79	94.76		511	500	2.1	20.0
4-Amino-2,6-dinitrotoluene	Ave	75.73	72.57		479	500	-4.2	20.0
2-Amino-4,6-dinitrotoluene	Ave	83.59	81.12		485	500	-3.0	20.0
2,6-Dinitrotoluene	Ave	59.58	57.45		482	500	-3.6	20.0
2,4-Dinitrotoluene	Ave	95.97	94.66		493	500	-1.4	20.0
2-Nitrotoluene	Ave	44.56	40.14		450	500	-9.9	20.0
4-Nitrotoluene	Ave	53.43	49.54		464	500	-7.3	20.0
3-Nitrotoluene	Ave	53.94	48.54		450	500	-10.0	20.0
PETN	Ave	36.72	35.94		489	500	-2.1	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1
 SDG No.: _____
 Lab Sample ID: ICV 320-3377/11 Calibration Date: 09/01/2012 17:51
 Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 09/01/2012 16:31
 Lab File ID: A-000015.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.24	4.99	5.49
RDX	7.58	7.33	7.83
Ethylene glycol dinitrate	8.30	8.06	8.56
1,3,5-Trinitrobenzene	9.99	9.74	10.24
1,3-Dinitrobenzene	12.68	12.43	12.93
3,5-Dinitroaniline	13.44	13.20	13.70
Tetryl	13.94	13.69	14.19
Nitrobenzene	14.49	14.25	14.75
Nitroglycerin	15.19	14.95	15.45
2,4,6-Trinitrotoluene	16.07	15.82	16.32
4-Amino-2,6-dinitrotoluene	16.61	16.37	16.87
2-Amino-4,6-dinitrotoluene	17.59	17.35	17.85
2,6-Dinitrotoluene	19.29	19.04	19.54
2,4-Dinitrotoluene	19.92	19.68	20.18
2-Nitrotoluene	23.39	23.17	23.67
4-Nitrotoluene	25.08	24.85	25.35
3-Nitrotoluene	27.04	26.80	27.30
PETN	29.65	29.40	29.90

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000015.D
 Lims ID: ICV Client ID:
 Inject. Date: 01-Sep-2012 17:51:02 Dil. Factor: 1.0000
 Sample Type: ICV
 Sample ID: ICV HP8330IC_00005 500ng/mL;2
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 19
 Lims Batch ID: 3377 Lims Sample ID: 11
 Sublist:

Method: \\SACChrom\ChromData\LC10\20120905-755.b\8330_LC10.m
 Last Update: 13-Sep-2012 10:19:58 Calib Date: 01-Sep-2012 16:31:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK003

First Level Reviewer: noonanr

Date: 12-Sep-2012 13:53:23

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

11 HMX

1 5.238 5.235 0.003 64694 514.2

19 RDX

1 7.584 7.579 0.005 43361 487.3

3 Ethylene glycol dinitrate

2 8.304 8.305 -0.001 56056 578.7

10 2,4,6-Trinitrophenol

2 8.611 8.685 -0.074 118451 961.8

1 8.611 8.685 -0.074 78800 953.2

27 1,3,5-Trinitrobenzene

1 9.991 9.992 -0.001 79307 487.5

24 1,3-Dinitrobenzene

1 12.684 12.682 0.002 77842 481.5

9 3,5-Dinitroaniline

1 13.438 13.449 -0.011 54213 521.7

20 Tetryl

1 13.938 13.939 -0.001 46038 531.9

5 Nitrobenzene

1 14.488 14.495 -0.007 35885 486.6

7 Nitroglycerin

2 15.194 15.202 -0.008 32066 494.2

25 2,4,6-Trinitrotoluene

1 16.071 16.069 0.002 47381 510.6

26 4-Amino-2,6-dinitrotoluene

1 16.611 16.619 -0.008 36286 479.1

6 2-Amino-4,6-dinitrotoluene

1 17.591 17.595 -0.004 40559 485.2

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
12 2,6-Dinitrotoluene						
1	19.288	19.285	0.003	28726	482.1	
23 2,4-Dinitrotoluene						
1	19.918	19.925	-0.007	47332	493.2	
16 o-Nitrotoluene						
1	23.391	23.415	-0.024	20070	450.5	
15 p-Nitrotoluene						
1	25.084	25.102	-0.018	24769	463.6	
8 m-Nitrotoluene						
1	27.038	27.052	-0.014	24271	450.0	
21 PETN						
2	29.648	29.649	-0.001	17969	489.3	

Report Date: 13-Sep-2012 10:20:00

Chrom Revision: 2.1 12-Sep-2012 21:43:20

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000015.D

Injection Date: 01-Sep-2012 17:51:02

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 3377

Lims Sample ID: 11

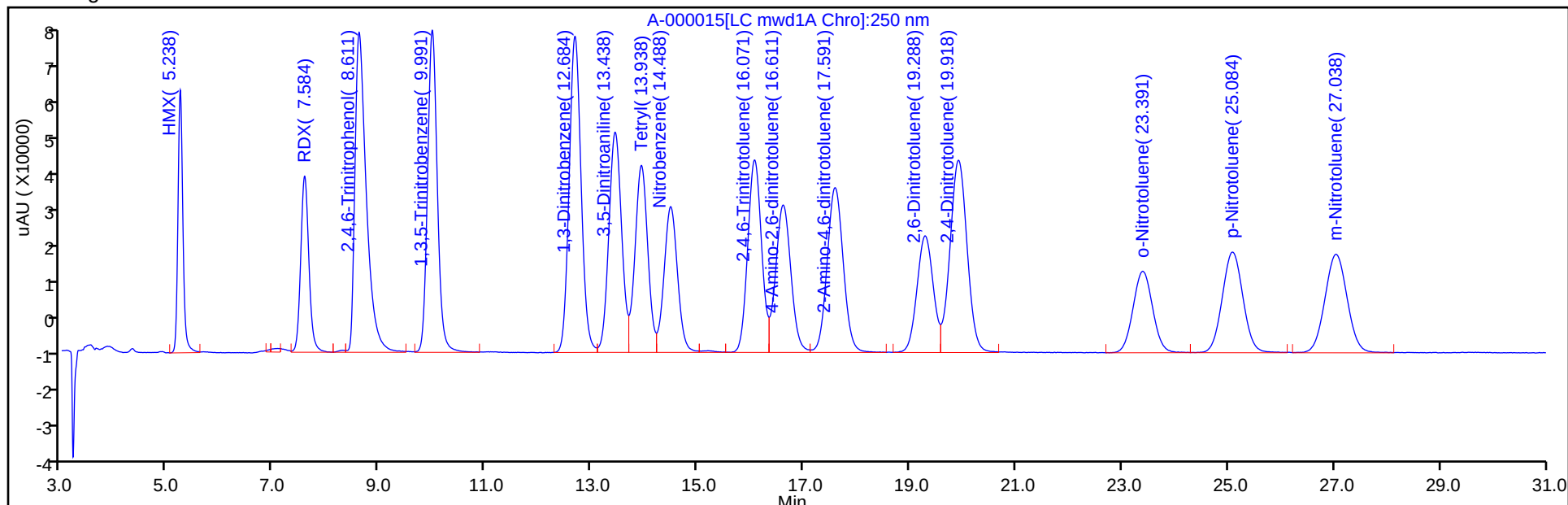
Operator ID: RN

Injection Vol: 500.0 ul

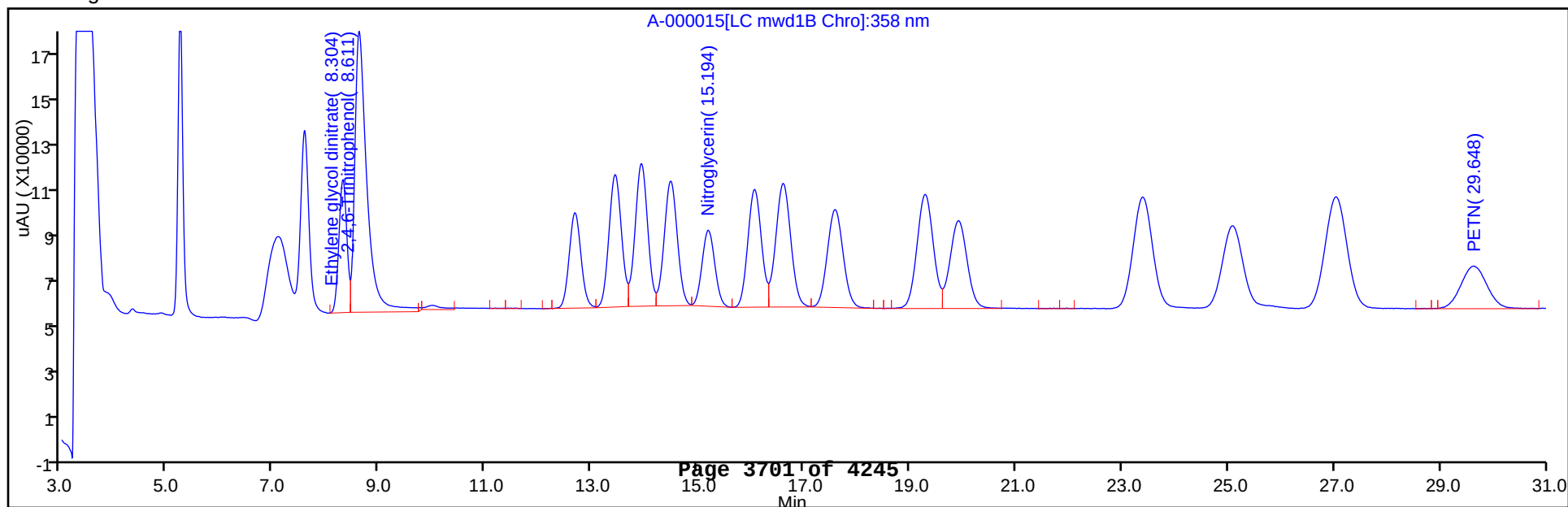
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1
 SDG No.: _____
 Lab Sample ID: LODV 320-3377/13 Calibration Date: 09/01/2012 19:11
 Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 09/01/2012 16:31
 Lab File ID: A-000017.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	125.8	123.8		4.92	5.00	-1.6	
RDX	Ave	88.99	99.40		5.59	5.00	11.7	
1,3,5-Trinitrobenzene	Ave	162.7	165.0		5.07	5.00	1.4	
1,3-Dinitrobenzene	Ave	161.7	168.6		5.21	5.00	4.3	
3,5-Dinitroaniline	Ave	103.9	110.0		5.29	5.00	5.9	
Tetryl	Ave	86.55	76.60		4.43	5.00	-11.5	
Nitrobenzene	Ave	73.74	77.80		5.28	5.00	5.5	
Nitroglycerin	Ave	64.89	84.10		25.9	20.0	29.6	
2,4,6-Trinitrotoluene	Ave	92.79	89.60		4.83	5.00	-3.4	
4-Amino-2,6-dinitrotoluene	Ave	75.73	92.20		6.09	5.00	21.7	
2-Amino-4,6-dinitrotoluene	Ave	83.59	91.20		5.46	5.00	9.1	
2,6-Dinitrotoluene	Ave	59.58	63.20		5.30	5.00	6.1	
2,4-Dinitrotoluene	Ave	95.97	108.0		5.63	5.00	12.5	
2-Nitrotoluene	Ave	44.56	55.20		6.19	5.00	23.9	
4-Nitrotoluene	Ave	53.43	69.20		6.48	5.00	29.5	
3-Nitrotoluene	Ave	53.94	62.60		5.80	5.00	16.1	
PETN	Ave	36.72	36.40		19.8	20.0	-0.9	
3,4-Dinitrotoluene	Ave	56.32	52.85		18.8	20.0	-6.2	

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1
 SDG No.: _____
 Lab Sample ID: LODV 320-3377/13 Calibration Date: 09/01/2012 19:11
 Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 09/01/2012 16:31
 Lab File ID: A-000017.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.25	4.99	5.49
RDX	7.57	7.33	7.83
1,3,5-Trinitrobenzene	10.01	9.74	10.24
1,3-Dinitrobenzene	12.70	12.43	12.93
3,5-Dinitroaniline	13.46	13.20	13.70
Tetryl	13.90	13.69	14.19
Nitrobenzene	14.53	14.25	14.75
Nitroglycerin	15.19	14.95	15.45
2,4,6-Trinitrotoluene	16.09	15.82	16.32
4-Amino-2,6-dinitrotoluene	16.61	16.37	16.87
2-Amino-4,6-dinitrotoluene	17.57	17.35	17.85
2,6-Dinitrotoluene	19.30	19.04	19.54
2,4-Dinitrotoluene	19.97	19.68	20.18
2-Nitrotoluene	23.32	23.17	23.67
4-Nitrotoluene	25.07	24.85	25.35
3-Nitrotoluene	27.00	26.80	27.30
PETN	29.57	29.40	29.90
Ethylene glycol dinitrate			
3,4-Dinitrotoluene	17.07	16.82	17.32

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000017.D
 Lims ID: LODV 5-20ng/mL Client ID:
 Inject. Date: 01-Sep-2012 19:11:04 Dil. Factor: 1.0000
 Sample Type: LODV
 Sample ID: MRL HP8330ICL_00002 5-50ng/mL;2
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 21
 Lims Batch ID: 3377 Lims Sample ID: 13
 Method: \\SACChrom\ChromData\LC10\20120905-755.b\8330_LC10.m
 Last Update: 13-Sep-2012 13:28:32 Calib Date: 01-Sep-2012 16:31:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK036

First Level Reviewer: noonanr

Date: 12-Sep-2012 14:27:02

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

11 HMX
 1 5.245 5.235 0.010 619 4.92
 19 RDX
 1 7.565 7.579 -0.014 497 5.59
 27 1,3,5-Trinitrobenzene
 1 10.005 9.992 0.013 825 5.07
 24 1,3-Dinitrobenzene
 1 12.702 12.682 0.020 843 5.21
 9 3,5-Dinitroaniline
 1 13.459 13.449 0.010 550 5.29
 20 Tetryl
 1 13.902 13.939 -0.037 383 4.43
 5 Nitrobenzene
 1 14.532 14.495 0.037 389 5.28
 7 Nitroglycerin
 2 15.186 15.202 -0.016 1682 25.9
 25 2,4,6-Trinitrotoluene
 1 16.092 16.069 0.023 448 4.83
 26 4-Amino-2,6-dinitrotoluene
 1 16.609 16.619 -0.010 461 6.09
 \$ 30 3,4-Dinitrotoluene
 1 17.069 17.072 -0.003 1057 18.8
 2 17.109 17.082 0.027 2127 20.6
 6 2-Amino-4,6-dinitrotoluene
 1 17.569 17.595 -0.026 456 5.46
 12 2,6-Dinitrotoluene
 1 19.299 19.285 0.014 316 5.30
 23 2,4-Dinitrotoluene
 1 19.966 19.925 0.041 540 5.63

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000017.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

16 o-Nitrotoluene

1 23.316 23.415 -0.099 276 6.19

15 p-Nitrotoluene

1 25.066 25.102 -0.036 346 6.48

8 m-Nitrotoluene

1 26.999 27.052 -0.053 313 5.80

21 PETN

2 29.572 29.649 -0.077 728 19.8

Report Date: 18-Sep-2012 08:28:09

Chrom Revision: 2.1 16-Sep-2012 09:37:06

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000017.D

Injection Date: 01-Sep-2012 19:11:04

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 3377

Lims Sample ID: 13

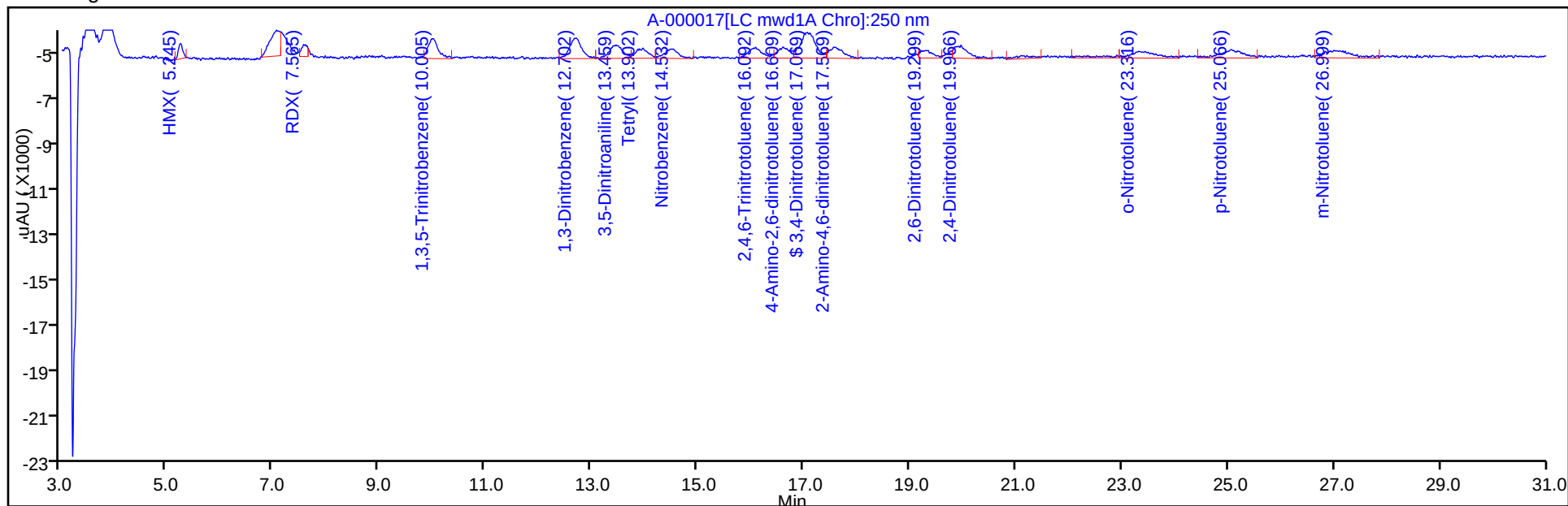
Operator ID: RN

Injection Vol: 500.0 ul

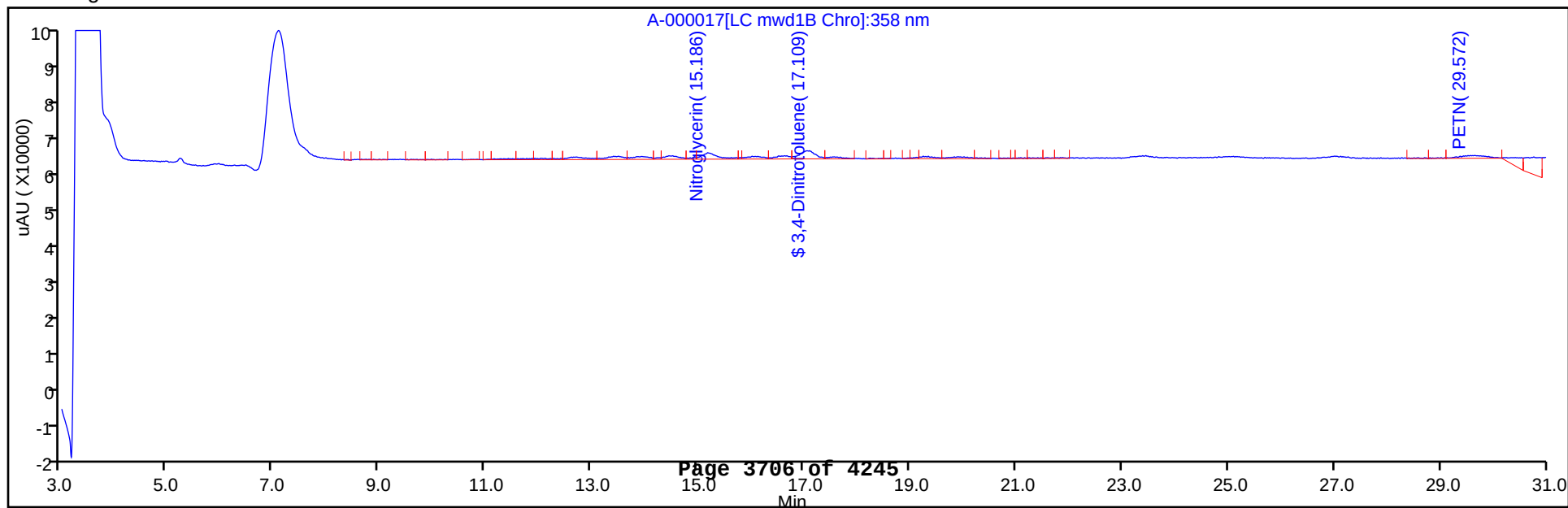
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1
 SDG No.: _____
 Lab Sample ID: STD05 320-6772/36 Calibration Date: 12/04/2012 12:20
 Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 09/01/2012 16:31
 Lab File ID: C000038.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	125.8	129.8		103	100	3.2	20.0
RDX	Ave	88.99	88.64		99.6	100	-0.4	20.0
Ethylene glycol dinitrate	Ave	96.86	109.0		112	100	12.5	20.0
1,3,5-Trinitrobenzene	Ave	162.7	164.4		101	100	1.1	20.0
1,3-Dinitrobenzene	Ave	161.7	165.4		102	100	2.3	20.0
3,5-Dinitroaniline	Ave	103.9	104.1		100	100	0.2	20.0
Tetryl	Ave	86.55	85.58		98.9	100	-1.1	20.0
Nitrobenzene	Ave	73.74	71.32		96.7	100	-3.3	20.0
Nitroglycerin	Ave	64.89	64.60		99.6	100	-0.4	20.0
2,4,6-Trinitrotoluene	Ave	92.79	91.79		98.9	100	-1.1	20.0
4-Amino-2,6-dinitrotoluene	Ave	75.73	75.50		99.7	100	-0.3	20.0
2-Amino-4,6-dinitrotoluene	Ave	83.59	83.32		99.7	100	-0.3	20.0
2,6-Dinitrotoluene	Ave	59.58	58.22		97.7	100	-2.3	20.0
2,4-Dinitrotoluene	Ave	95.97	96.40		100	100	0.4	20.0
2-Nitrotoluene	Ave	44.56	41.41		92.9	100	-7.1	20.0
4-Nitrotoluene	Ave	53.43	50.67		94.8	100	-5.2	20.0
3-Nitrotoluene	Ave	53.94	51.35		95.2	100	-4.8	20.0
PETN	Ave	36.72	39.64		108	100	7.9	20.0
3,4-Dinitrotoluene	Ave	56.32	55.19		98.0	100	-2.0	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1
 SDG No.: _____
 Lab Sample ID: STD05 320-6772/36 Calibration Date: 12/04/2012 12:20
 Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 09/01/2012 16:31
 Lab File ID: C000038.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.22	4.97	5.47
RDX	7.52	7.27	7.77
Ethylene glycol dinitrate	8.21	7.96	8.46
1,3,5-Trinitrobenzene	9.87	9.62	10.12
1,3-Dinitrobenzene	12.51	12.26	12.76
3,5-Dinitroaniline	13.26	13.01	13.51
Tetryl	13.69	13.44	13.94
Nitrobenzene	14.25	14.00	14.50
Nitroglycerin	14.90	14.65	15.15
2,4,6-Trinitrotoluene	15.79	15.54	16.04
4-Amino-2,6-dinitrotoluene	16.32	16.07	16.57
2-Amino-4,6-dinitrotoluene	17.30	17.05	17.55
2,6-Dinitrotoluene	18.92	18.67	19.17
2,4-Dinitrotoluene	19.55	19.30	19.80
2-Nitrotoluene	22.90	22.65	23.15
4-Nitrotoluene	24.56	24.31	24.81
3-Nitrotoluene	26.45	26.20	26.70
PETN	28.83	28.58	29.08
3,4-Dinitrotoluene	16.78	16.53	17.03

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20121203-1645.b\C000038.D
 Lims ID: STD05 Client ID:
 Inject. Date: 04-Dec-2012 12:20:09 Dil. Factor: 1.0000
 Sample Type: CCVRT
 Sample ID: 320-0001645-036
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 4
 Lims Batch ID: 6772 Lims Sample ID: 36
 Sublist: chrom-8330_LC10*sub1
 Method: \\SACChrom\ChromData\LC10\20121203-1645.b\8330_LC10.m
 Last Update: 04-Dec-2012 14:16:13 Calib Date: 01-Sep-2012 16:31:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK017

First Level Reviewer: noonanr

Date: 04-Dec-2012 14:16:13

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

11 HMX						
1	5.217	5.217	0.0	12981	103.2	
19 RDX						
1	7.517	7.517	0.0	8864	99.6	
3 Ethylene glycol dinitrate						
2	8.213	8.213	0.0	10896	112.5	
10 2,4,6-Trinitrophenol						
2	8.613	8.613	0.0	25450	206.6	
1	8.610	8.610	0.0	17471	211.3	
27 1,3,5-Trinitrobenzene						
1	9.867	9.867	0.0	16440	101.1	M
24 1,3-Dinitrobenzene						
1	12.507	12.507	0.0	16537	102.3	M
9 3,5-Dinitroaniline						
1	13.260	13.260	0.0	10413	100.2	
20 Tetryl						
1	13.693	13.693	0.0	8558	98.9	
5 Nitrobenzene						
1	14.250	14.250	0.0	7132	96.7	
7 Nitroglycerin						
2	14.903	14.903	0.0	6460	99.6	
25 2,4,6-Trinitrotoluene						
1	15.790	15.790	0.0	9179	98.9	
26 4-Amino-2,6-dinitrotoluene						
1	16.320	16.320	0.0	7550	99.7	
\$ 30 3,4-Dinitrotoluene						
1	16.780	16.780	0.0	5519	98.0	
2	16.783	16.783	0.0	10507	101.7	

Data File: \\SACChrom\ChromData\LC10\20121203-1645.b\C000038.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.300	17.300	0.0	8332	99.7	
12 2,6-Dinitrotoluene						
1	18.923	18.923	0.0	5822	97.7	
23 2,4-Dinitrotoluene						
1	19.553	19.553	0.0	9640	100.4	
16 o-Nitrotoluene						
1	22.897	22.897	0.0	4141	92.9	
15 p-Nitrotoluene						
1	24.560	24.560	0.0	5067	94.8	
8 m-Nitrotoluene						
1	26.453	26.453	0.0	5135	95.2	
21 PETN						
2	28.833	28.833	0.0	3964	107.9	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 04-Dec-2012 14:16:14

Chrom Revision: 2.1 03-Dec-2012 11:37:40

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121203-1645.b\C000038.D

Injection Date: 04-Dec-2012 12:20:09

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 6772

Lims Sample ID: 36

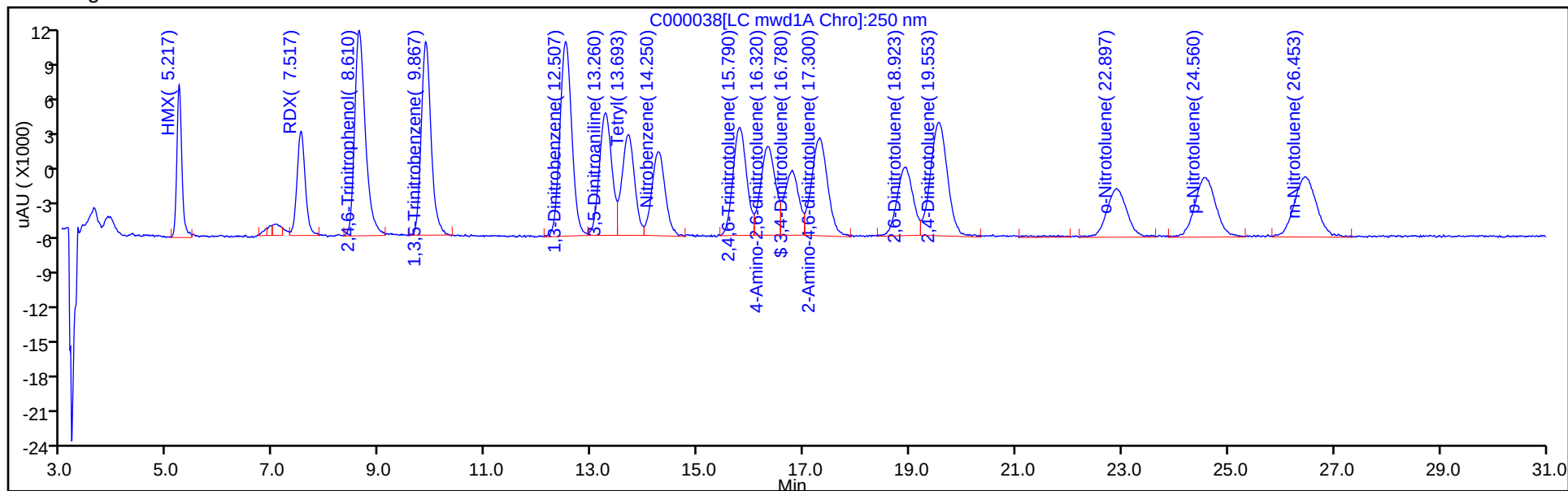
Operator ID: RN

Injection Vol: 500.0 ul

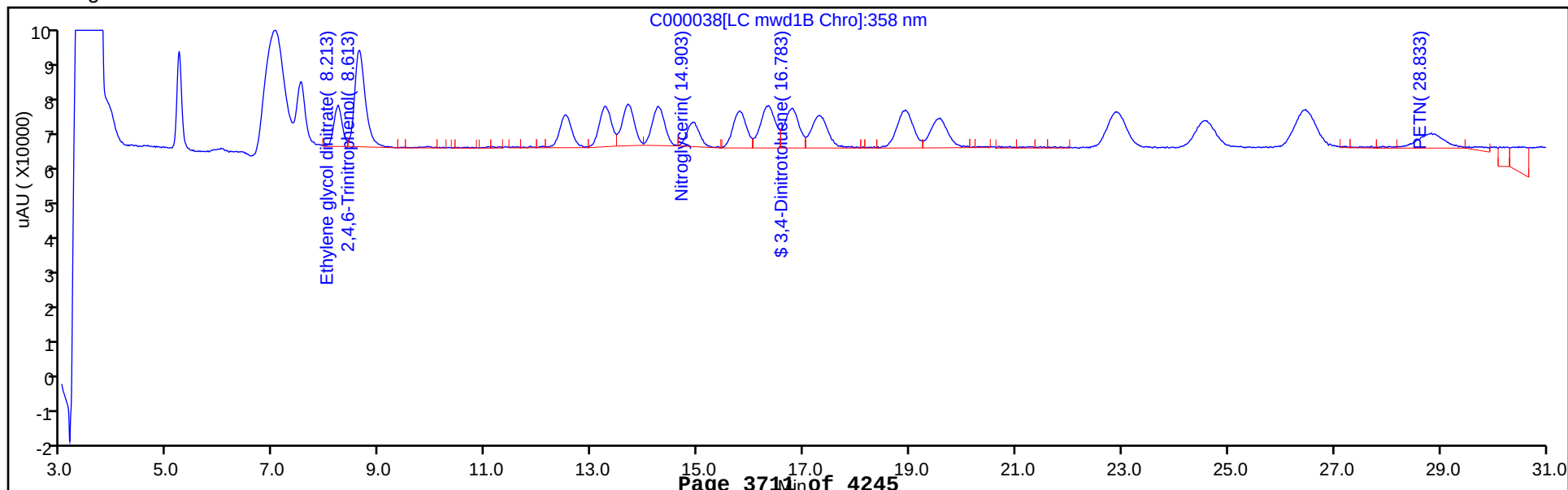
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121203-1645.b\C000038.D

Injection Date: 04-Dec-2012 12:20:09

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 6772

Lims Sample ID: 36

Operator ID: RN

Injection Vol: 500.0 ul

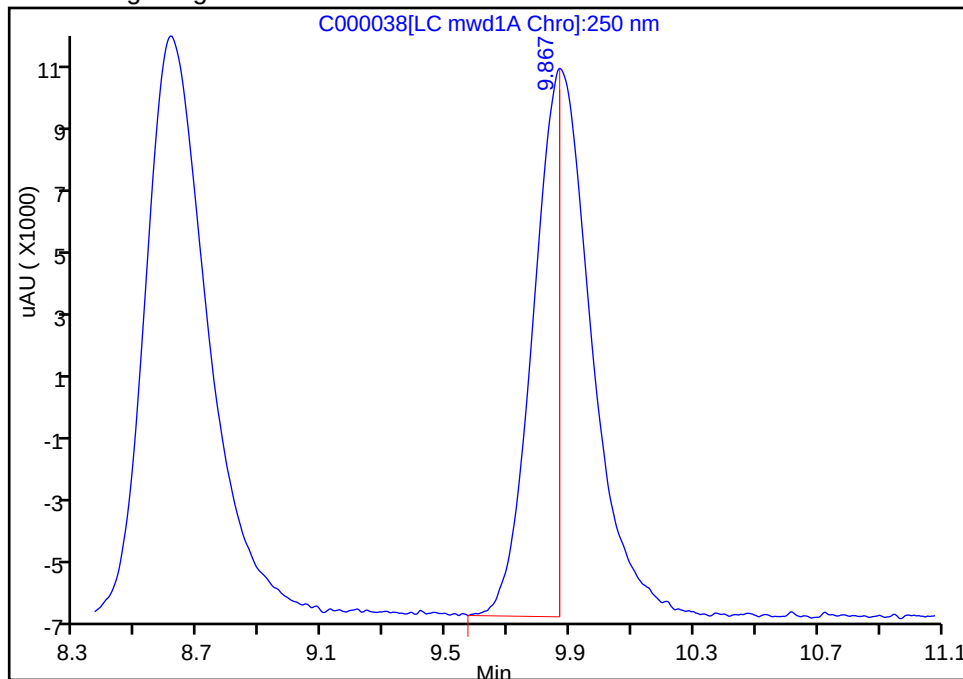
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

27 1,3,5-Trinitrobenzene, Signal: 1, Type: quant, RT: 9.87, Det: LC mwd1A

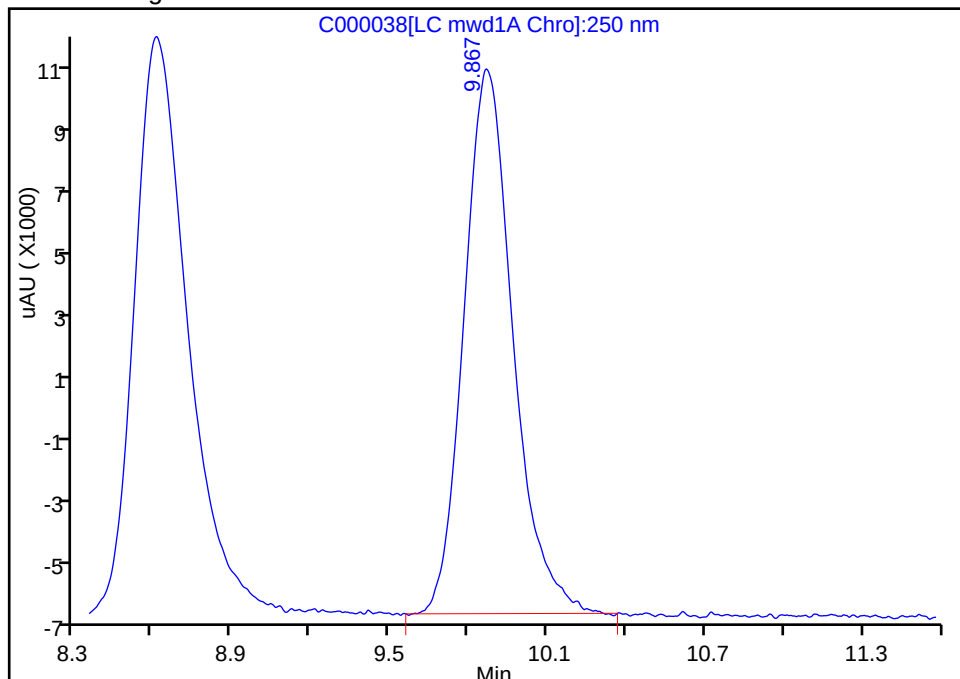
RT: 9.87
Response: 16529
Amount: 101.6091

Processing Integration Results



RT: 9.87
Response: 16440
Amount: 101.0619

Manual Integration Results



Reviewer: noonanr, 04-Dec-2012 14:16:13

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1
 SDG No.: _____
 Lab Sample ID: CCVL 320-6772/37 Calibration Date: 12/04/2012 13:00
 Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 09/01/2012 16:31
 Lab File ID: C000039.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	125.8	141.6		5.63	5.00	12.6	30.0
RDX	Ave	88.99	110.0		6.18	5.00	23.6	30.0
1,3,5-Trinitrobenzene	Ave	162.7	197.0		6.06	5.00	21.1	30.0
1,3-Dinitrobenzene	Ave	161.7	189.2		5.85	5.00	17.0	30.0
3,5-Dinitroaniline	Ave	103.9	125.0		6.01	5.00	20.3	30.0
Tetryl	Ave	86.55	90.80		5.25	5.00	4.9	30.0
Nitrobenzene	Ave	73.74	97.40		6.60	5.00	32.1*	30.0
Nitroglycerin	Ave	64.89	78.90		24.3	20.0	21.6	30.0
2,4,6-Trinitrotoluene	Ave	92.79	99.6		5.37	5.00	7.3	30.0
4-Amino-2,6-dinitrotoluene	Ave	75.73	94.80		6.26	5.00	25.2	30.0
2-Amino-4,6-dinitrotoluene	Ave	83.59	115.6		6.91	5.00	38.3*	30.0
2,6-Dinitrotoluene	Ave	59.58	86.40		7.25	5.00	45.0*	30.0
2,4-Dinitrotoluene	Ave	95.97	115.2		6.00	5.00	20.0	30.0
2-Nitrotoluene	Ave	44.56	60.60		6.80	5.00	36.0*	30.0
4-Nitrotoluene	Ave	53.43	63.00		5.90	5.00	17.9	30.0
3-Nitrotoluene	Ave	53.94	74.20		6.88	5.00	37.6*	30.0
PETN	Ave	36.72	42.55		23.2	20.0	15.9	30.0
3,4-Dinitrotoluene	Ave	56.32	57.50		20.4	20.0	2.1	30.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1
 SDG No.: _____
 Lab Sample ID: CCVL 320-6772/37 Calibration Date: 12/04/2012 13:00
 Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 09/01/2012 16:31
 Lab File ID: C000039.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.23	4.98	5.48
RDX	7.48	7.23	7.73
1,3,5-Trinitrobenzene	9.87	9.62	10.12
1,3-Dinitrobenzene	12.50	12.25	12.75
3,5-Dinitroaniline	13.28	13.03	13.53
Tetryl	13.67	13.42	13.92
Nitrobenzene	14.26	14.01	14.51
Nitroglycerin	14.89	14.64	15.14
2,4,6-Trinitrotoluene	15.76	15.51	16.01
4-Amino-2,6-dinitrotoluene	16.28	16.03	16.53
2-Amino-4,6-dinitrotoluene	17.29	17.04	17.54
2,6-Dinitrotoluene	18.82	18.57	19.07
2,4-Dinitrotoluene	19.54	19.29	19.79
2-Nitrotoluene	22.91	22.66	23.16
4-Nitrotoluene	24.60	24.35	24.85
3-Nitrotoluene	26.48	26.23	26.73
PETN	28.73	28.48	28.98
3,4-Dinitrotoluene	16.79	16.54	17.04

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20121203-1645.b\C000039.D
 Lims ID: CCVL Client ID:
 Inject. Date: 04-Dec-2012 13:00:15 Dil. Factor: 1.0000
 Sample Type: CCVL
 Sample ID: 320-0001645-037
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 10
 Lims Batch ID: 6772 Lims Sample ID: 37
 Sublist: chrom-8330_LC10*sub2
 Method: \\SACChrom\ChromData\LC10\20121203-1645.b\8330_LC10.m
 Last Update: 04-Dec-2012 14:18:01 Calib Date: 01-Sep-2012 16:31:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK017

First Level Reviewer: noonanr

Date: 04-Dec-2012 14:18:01

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

11 HMX						
1	5.228	5.228	0.0	708	5.63	
19 RDX						
1	7.484	7.484	0.0	550	6.18	
27 1,3,5-Trinitrobenzene						
1	9.871	9.871	0.0	985	6.06	
24 1,3-Dinitrobenzene						
1	12.501	12.501	0.0	946	5.85	
9 3,5-Dinitroaniline						
1	13.278	13.278	0.0	625	6.01	
20 Tetryl						
1	13.671	13.671	0.0	454	5.25	
5 Nitrobenzene						
1	14.258	14.258	0.0	487	6.60	
7 Nitroglycerin						
2	14.894	14.894	0.0	1578	24.3	
25 2,4,6-Trinitrotoluene						
1	15.764	15.764	0.0	498	5.37	
26 4-Amino-2,6-dinitrotoluene						
1	16.278	16.278	0.0	474	6.26	
\$ 30 3,4-Dinitrotoluene						
1	16.788	16.788	0.0	1150	20.4	
2	16.794	16.794	0.0	2216	21.4	
6 2-Amino-4,6-dinitrotoluene						
1	17.291	17.291	0.0	578	6.91	
12 2,6-Dinitrotoluene						
1	18.818	18.818	0.0	432	7.25	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
23 2,4-Dinitrotoluene						
1	19.541	19.541	0.0	576	6.00	
16 o-Nitrotoluene						
1	22.908	22.908	0.0	303	6.80	
15 p-Nitrotoluene						
1	24.604	24.604	0.0	315	5.90	
8 m-Nitrotoluene						
1	26.478	26.478	0.0	371	6.88	
21 PETN						
2	28.734	28.734	0.0	851	23.2	

Report Date: 04-Dec-2012 14:18:01

Chrom Revision: 2.1 03-Dec-2012 11:37:40

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121203-1645.b\C000039.D

Injection Date: 04-Dec-2012 13:00:15

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 6772

Lims Sample ID: 37

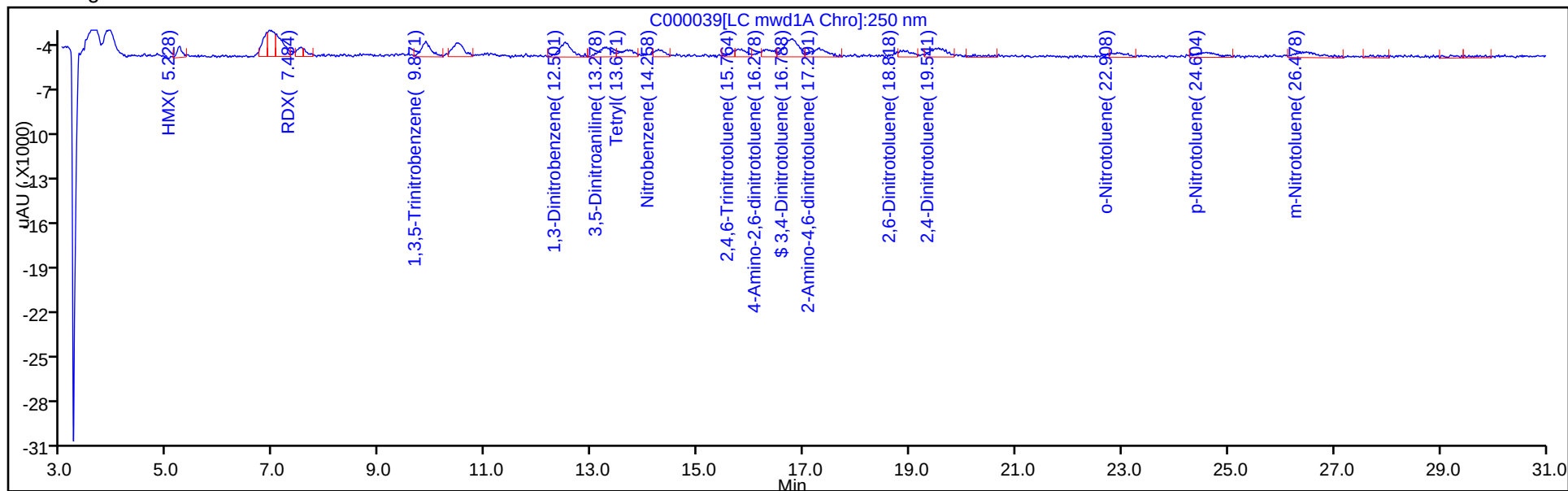
Operator ID: RN

Injection Vol: 500.0 ul

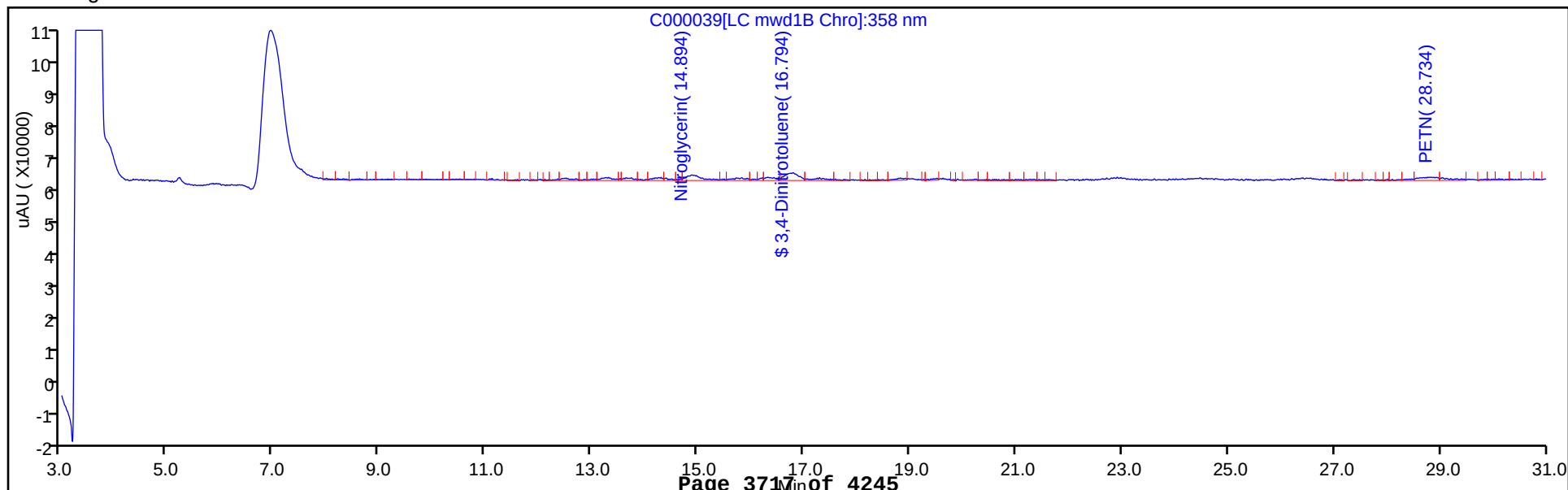
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1
 SDG No.: _____
 Lab Sample ID: STD05 320-6772/46 Calibration Date: 12/04/2012 19:42
 Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 09/01/2012 16:31
 Lab File ID: C000049.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	125.8	130.4		104	100	3.6	20.0
RDX	Ave	88.99	91.71		103	100	3.1	20.0
Ethylene glycol dinitrate	Ave	96.86	108.5		112	100	12.0	20.0
1,3,5-Trinitrobenzene	Ave	162.7	168.8		104	100	3.8	20.0
1,3-Dinitrobenzene	Ave	161.7	169.4		105	100	4.8	20.0
3,5-Dinitroaniline	Ave	103.9	107.4		103	100	3.3	20.0
Tetryl	Ave	86.55	88.52		102	100	2.3	20.0
Nitrobenzene	Ave	73.74	67.68		91.8	100	-8.2	20.0
Nitroglycerin	Ave	64.89	65.51		101	100	1.0	20.0
2,4,6-Trinitrotoluene	Ave	92.79	94.79		102	100	2.2	20.0
4-Amino-2,6-dinitrotoluene	Ave	75.73	78.52		104	100	3.7	20.0
2-Amino-4,6-dinitrotoluene	Ave	83.59	85.14		102	100	1.9	20.0
2,6-Dinitrotoluene	Ave	59.58	60.22		101	100	1.1	20.0
2,4-Dinitrotoluene	Ave	95.97	98.57		103	100	2.7	20.0
2-Nitrotoluene	Ave	44.56	37.51		84.2	100	-15.8	20.0
4-Nitrotoluene	Ave	53.43	48.21		90.2	100	-9.8	20.0
3-Nitrotoluene	Ave	53.94	46.65		86.5	100	-13.5	20.0
PETN	Ave	36.72	39.55		108	100	7.7	20.0
3,4-Dinitrotoluene	Ave	56.32	56.77		101	100	0.8	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1
 SDG No.: _____
 Lab Sample ID: STD05 320-6772/46 Calibration Date: 12/04/2012 19:42
 Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 09/01/2012 16:31
 Lab File ID: C000049.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.21	4.96	5.46
RDX	7.51	7.26	7.76
Ethylene glycol dinitrate	8.21	7.96	8.46
1,3,5-Trinitrobenzene	9.85	9.60	10.10
1,3-Dinitrobenzene	12.49	12.24	12.74
3,5-Dinitroaniline	13.22	12.97	13.47
Tetryl	13.65	13.40	13.90
Nitrobenzene	14.23	13.98	14.48
Nitroglycerin	14.88	14.63	15.13
2,4,6-Trinitrotoluene	15.76	15.51	16.01
4-Amino-2,6-dinitrotoluene	16.29	16.04	16.54
2-Amino-4,6-dinitrotoluene	17.26	17.01	17.51
2,6-Dinitrotoluene	18.87	18.62	19.12
2,4-Dinitrotoluene	19.50	19.25	19.75
2-Nitrotoluene	22.85	22.60	23.10
4-Nitrotoluene	24.49	24.24	24.74
3-Nitrotoluene	26.38	26.13	26.63
PETN	28.73	28.48	28.98
3,4-Dinitrotoluene	16.74	16.49	16.99

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20121203-1645.b\C000049.D
 Lims ID: STD05 Client ID:
 Inject. Date: 04-Dec-2012 19:42:31 Dil. Factor: 1.0000
 Sample Type: CCVRT
 Sample ID: 320-0001645-046
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 5
 Lims Batch ID: 6772 Lims Sample ID: 46
 Sublist: chrom-8330_LC10*sub1
 Method: \\SACChrom\ChromData\LC10\20121203-1645.b\8330_LC10.m
 Last Update: 05-Dec-2012 08:27:35 Calib Date: 01-Sep-2012 16:31:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK034

First Level Reviewer: noonanr

Date: 05-Dec-2012 08:27:35

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

11 HMX						
1	5.214	5.214	0.0	13039	103.6	
19 RDX						
1	7.507	7.507	0.0	9171	103.1	
3 Ethylene glycol dinitrate						
2	8.207	8.207	0.0	10852	112.0	
10 2,4,6-Trinitrophenol						
2	8.604	8.604	0.0	26125	212.1	
1	8.601	8.601	0.0	17921	216.8	
27 1,3,5-Trinitrobenzene						
1	9.854	9.854	0.0	16878	103.8	
24 1,3-Dinitrobenzene						
1	12.494	12.494	0.0	16943	104.8	
9 3,5-Dinitroaniline						
1	13.224	13.224	0.0	10737	103.3	
20 Tetryl						
1	13.651	13.651	0.0	8852	102.3	
5 Nitrobenzene						
1	14.234	14.234	0.0	6768	91.8	
7 Nitroglycerin						
2	14.881	14.881	0.0	6551	101.0	
25 2,4,6-Trinitrotoluene						
1	15.761	15.761	0.0	9479	102.2	
26 4-Amino-2,6-dinitrotoluene						
1	16.288	16.288	0.0	7852	103.7	
\$ 30 3,4-Dinitrotoluene						
1	16.741	16.741	0.0	5677	100.8	
2	16.741	16.741	0.0	10606	102.7	

Data File: \\SACChrom\ChromData\LC10\20121203-1645.b\C000049.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.261	17.261	0.0	8514	101.9	
12 2,6-Dinitrotoluene						
1	18.874	18.874	0.0	6022	101.1	
23 2,4-Dinitrotoluene						
1	19.504	19.504	0.0	9857	102.7	
16 o-Nitrotoluene						
1	22.848	22.848	0.0	3751	84.2	
15 p-Nitrotoluene						
1	24.491	24.491	0.0	4821	90.2	
8 m-Nitrotoluene						
1	26.384	26.384	0.0	4665	86.5	
21 PETN						
2	28.734	28.734	0.0	3955	107.7	

Report Date: 05-Dec-2012 08:27:35

Chrom Revision: 2.1 03-Dec-2012 11:37:40

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121203-1645.b\IC000049.D

Injection Date: 04-Dec-2012 19:42:31

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 6772

Lims Sample ID: 46

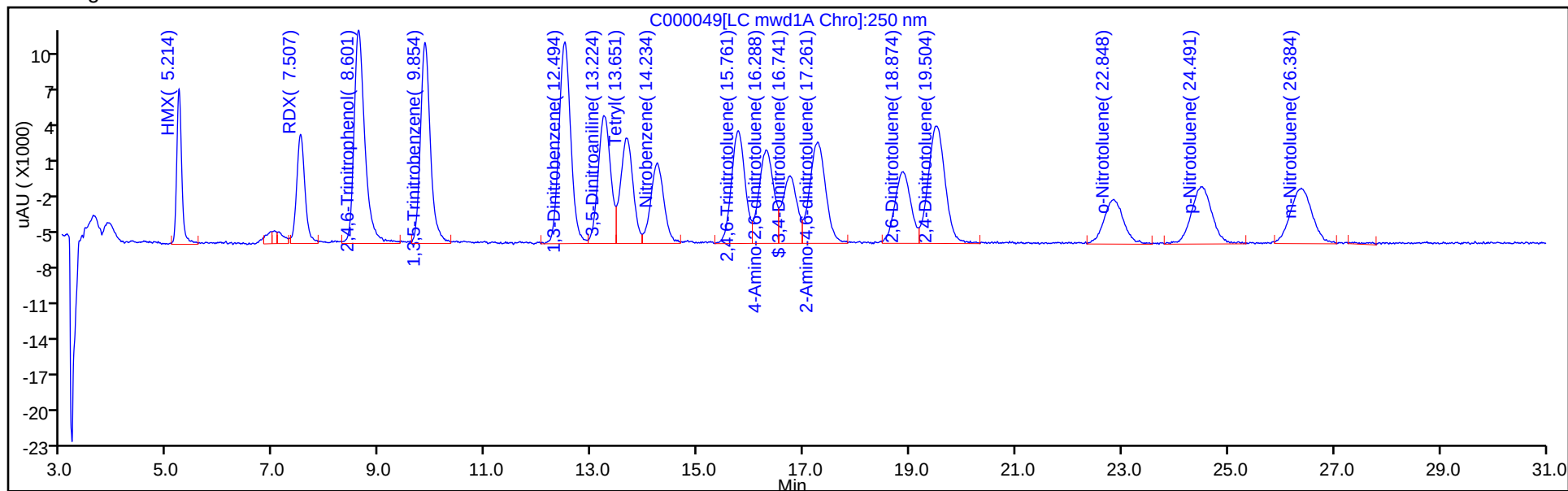
Operator ID: RN

Injection Vol: 500.0 ul

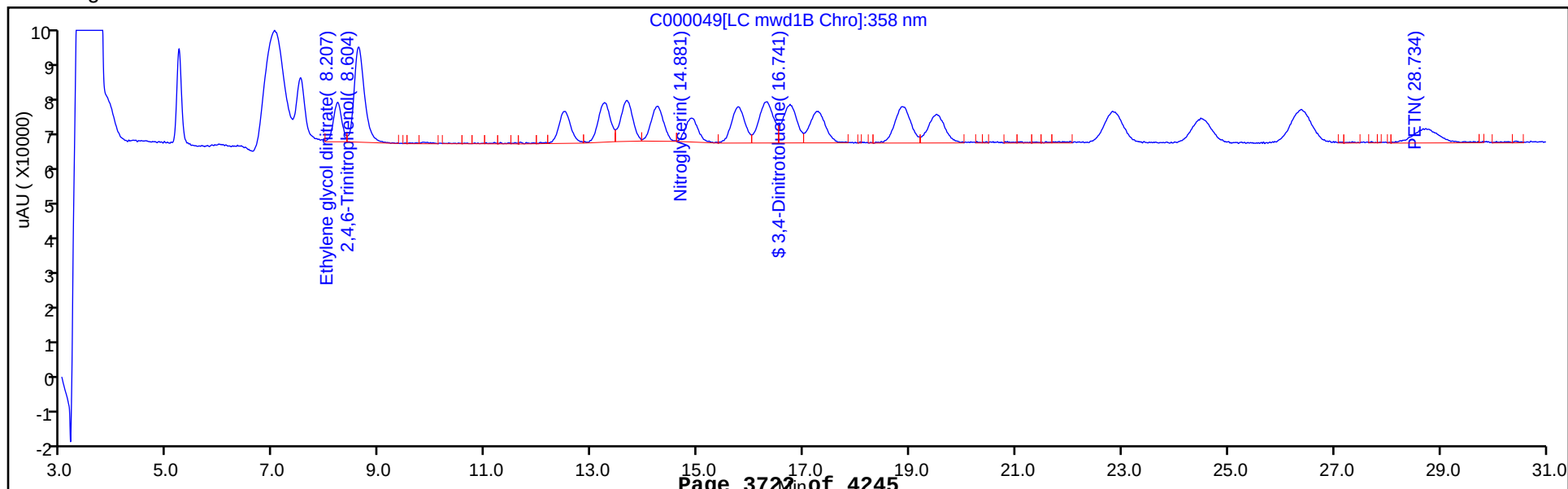
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1
 SDG No.: _____
 Lab Sample ID: CCVL 320-6772/47 Calibration Date: 12/04/2012 20:22
 Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 09/01/2012 16:31
 Lab File ID: C000050.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	125.8	138.0		5.48	5.00	9.7	30.0
RDX	Ave	88.99	112.6		6.33	5.00	26.5	30.0
1,3,5-Trinitrobenzene	Ave	162.7	182.0		5.59	5.00	11.9	30.0
1,3-Dinitrobenzene	Ave	161.7	191.8		5.93	5.00	18.6	30.0
3,5-Dinitroaniline	Ave	103.9	126.8		6.10	5.00	22.0	30.0
Tetryl	Ave	86.55	95.20		5.50	5.00	10.0	30.0
Nitrobenzene	Ave	73.74	94.00		6.37	5.00	27.5	30.0
Nitroglycerin	Ave	64.89	68.50		21.1	20.0	5.6	30.0
2,4,6-Trinitrotoluene	Ave	92.79	92.60		4.99	5.00	-0.2	30.0
4-Amino-2,6-dinitrotoluene	Ave	75.73	92.60		6.11	5.00	22.3	30.0
2-Amino-4,6-dinitrotoluene	Ave	83.59	88.60		5.30	5.00	6.0	30.0
2,6-Dinitrotoluene	Ave	59.58	80.20		6.73	5.00	34.6*	30.0
2,4-Dinitrotoluene	Ave	95.97	121.6		6.34	5.00	26.7	30.0
2-Nitrotoluene	Ave	44.56	72.60		8.15	5.00	62.9*	30.0
4-Nitrotoluene	Ave	53.43	63.80		5.97	5.00	19.4	30.0
3-Nitrotoluene	Ave	53.94	76.40		7.08	5.00	41.7*	30.0
PETN	Ave	36.72	53.75		29.3	20.0	46.4*	30.0
3,4-Dinitrotoluene	Ave	56.32	58.05		20.6	20.0	3.1	30.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1
SDG No.: _____
Lab Sample ID: CCVL 320-6772/47 Calibration Date: 12/04/2012 20:22
Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50
GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 09/01/2012 16:31
Lab File ID: C000050.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.22	4.97	5.47
RDX	7.50	7.25	7.75
1,3,5-Trinitrobenzene	9.83	9.58	10.08
1,3-Dinitrobenzene	12.49	12.24	12.74
3,5-Dinitroaniline	13.25	13.00	13.50
Tetryl	13.63	13.38	13.88
Nitrobenzene	14.27	14.02	14.52
Nitroglycerin	14.84	14.59	15.09
2,4,6-Trinitrotoluene	15.73	15.48	15.98
4-Amino-2,6-dinitrotoluene	16.27	16.02	16.52
2-Amino-4,6-dinitrotoluene	17.22	16.97	17.47
2,6-Dinitrotoluene	18.83	18.58	19.08
2,4-Dinitrotoluene	19.47	19.22	19.72
2-Nitrotoluene	22.87	22.62	23.12
4-Nitrotoluene	24.39	24.14	24.64
3-Nitrotoluene	26.33	26.08	26.58
PETN	28.69	28.44	28.94
3,4-Dinitrotoluene	16.75	16.50	17.00

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20121203-1645.b\C000050.D
 Lims ID: CCVL Client ID:
 Inject. Date: 04-Dec-2012 20:22:44 Dil. Factor: 1.0000
 Sample Type: CCVL
 Sample ID: 320-0001645-047
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 10
 Lims Batch ID: 6772 Lims Sample ID: 47
 Sublist: chrom-8330_LC10*sub2
 Method: \\SACChrom\ChromData\LC10\20121203-1645.b\8330_LC10.m
 Last Update: 05-Dec-2012 08:32:23 Calib Date: 01-Sep-2012 16:31:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK034

First Level Reviewer: noonanr

Date: 05-Dec-2012 08:32:23

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

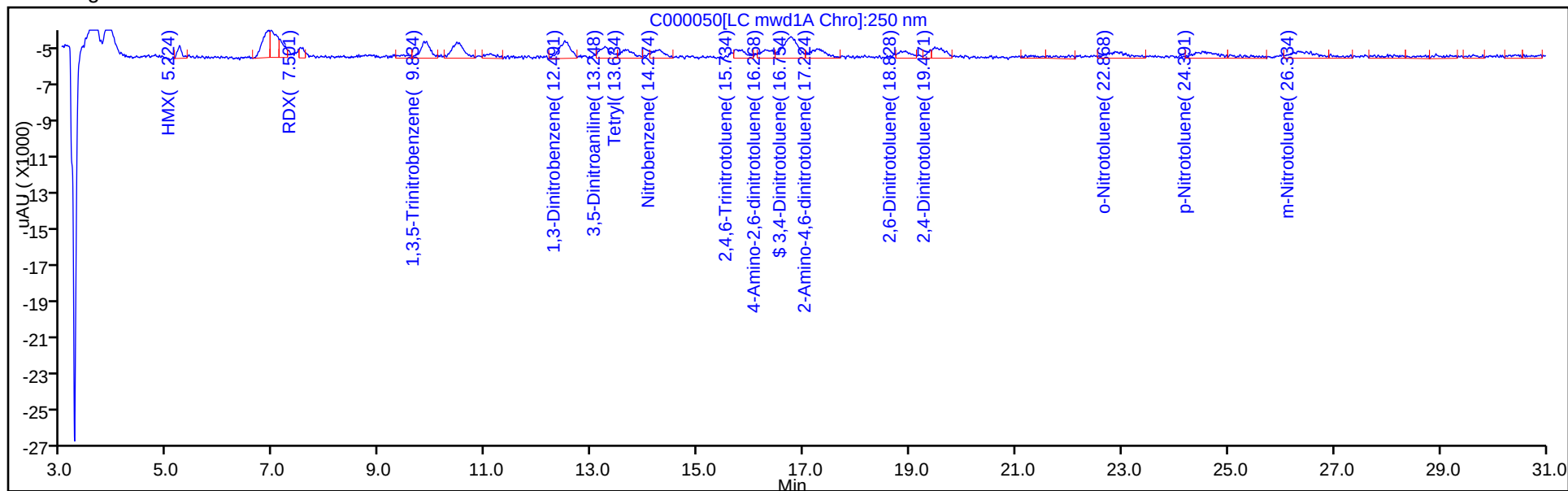
11 HMX
 1 5.224 5.224 0.0 690 5.48
 19 RDX
 1 7.501 7.501 0.0 563 6.33
 27 1,3,5-Trinitrobenzene
 1 9.834 9.834 0.0 910 5.59
 24 1,3-Dinitrobenzene
 1 12.491 12.491 0.0 959 5.93
 9 3,5-Dinitroaniline
 1 13.248 13.248 0.0 634 6.10
 20 Tetryl
 1 13.634 13.634 0.0 476 5.50
 5 Nitrobenzene
 1 14.274 14.274 0.0 470 6.37
 7 Nitroglycerin
 2 14.838 14.838 0.0 1370 21.1
 25 2,4,6-Trinitrotoluene
 1 15.734 15.734 0.0 463 4.99
 26 4-Amino-2,6-dinitrotoluene
 1 16.268 16.268 0.0 463 6.11
 \$ 30 3,4-Dinitrotoluene
 1 16.754 16.754 0.0 1161 20.6
 2 16.768 16.768 0.0 2225 21.5
 6 2-Amino-4,6-dinitrotoluene
 1 17.224 17.224 0.0 443 5.30
 12 2,6-Dinitrotoluene
 1 18.828 18.828 0.0 401 6.73

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
23 2,4-Dinitrotoluene						
1	19.471	19.471	0.0	608	6.34	
16 o-Nitrotoluene						
1	22.868	22.868	0.0	363	8.15	
15 p-Nitrotoluene						
1	24.391	24.391	0.0	319	5.97	
8 m-Nitrotoluene						
1	26.334	26.334	0.0	382	7.08	
21 PETN						
2	28.694	28.694	0.0	1075	29.3	

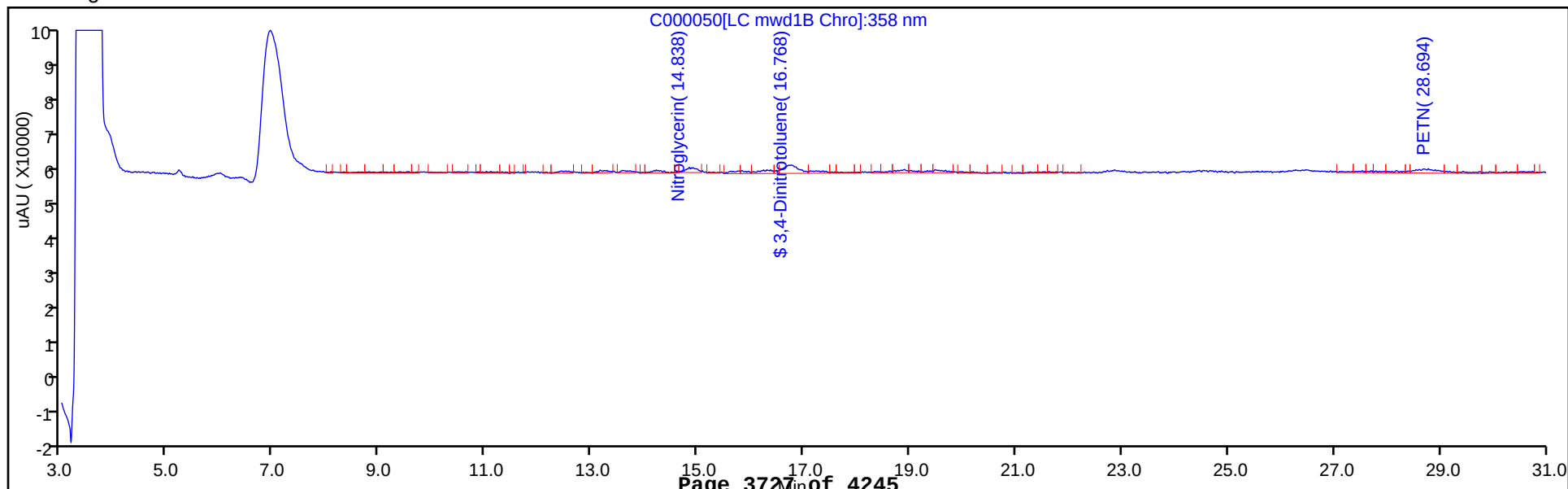
TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121203-1645.b\IC000050.D
Injection Date: 04-Dec-2012 20:22:44 Limit Group: LC 8330B ICAL
Client ID: Instrument ID: LC10
Lims Batch ID: 6772 Lims Sample ID: 47
Operator ID: RN Injection Vol: 500.0 ul
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1
 SDG No.: _____
 Lab Sample ID: CCVL 320-7240/1 Calibration Date: 12/11/2012 15:27
 Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 09/01/2012 16:31
 Lab File ID: H000001.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	125.8	153.6		6.10	5.00	22.1	30.0
RDX	Ave	88.99	110.0		6.18	5.00	23.6	30.0
1,3,5-Trinitrobenzene	Ave	162.7	195.2		6.00	5.00	20.0	30.0
1,3-Dinitrobenzene	Ave	161.7	197.0		6.09	5.00	21.9	30.0
3,5-Dinitroaniline	Ave	103.9	140.8		6.78	5.00	35.5*	30.0
Tetryl	Ave	86.55	112.6		6.50	5.00	30.1*	30.0
Nitrobenzene	Ave	73.74	90.00		6.10	5.00	22.1	30.0
Nitroglycerin	Ave	64.89	75.30		23.2	20.0	16.1	30.0
2,4,6-Trinitrotoluene	Ave	92.79	110.4		5.95	5.00	19.0	30.0
4-Amino-2,6-dinitrotoluene	Ave	75.73	84.00		5.55	5.00	10.9	30.0
2-Amino-4,6-dinitrotoluene	Ave	83.59	101.8		6.09	5.00	21.8	30.0
2,6-Dinitrotoluene	Ave	59.58	64.60		5.42	5.00	8.4	30.0
2,4-Dinitrotoluene	Ave	95.97	106.4		5.54	5.00	10.9	30.0
2-Nitrotoluene	Ave	44.56	60.40		6.78	5.00	35.6*	30.0
4-Nitrotoluene	Ave	53.43	81.20		7.60	5.00	52.0*	30.0
3-Nitrotoluene	Ave	53.94	77.60		7.19	5.00	43.9*	30.0
PETN	Ave	36.72	46.10		25.1	20.0	25.5	30.0
3,4-Dinitrotoluene	Ave	56.32	53.85		19.1	20.0	-4.4	30.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1
 SDG No.: _____
 Lab Sample ID: CCVL 320-7240/1 Calibration Date: 12/11/2012 15:27
 Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 09/01/2012 16:31
 Lab File ID: H000001.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.22	4.97	5.47
RDX	7.49	7.24	7.74
1,3,5-Trinitrobenzene	9.83	9.58	10.08
1,3-Dinitrobenzene	12.45	12.20	12.70
3,5-Dinitroaniline	13.20	12.95	13.45
Tetryl	13.60	13.35	13.85
Nitrobenzene	14.12	13.87	14.37
Nitroglycerin	14.76	14.51	15.01
2,4,6-Trinitrotoluene	15.65	15.40	15.90
4-Amino-2,6-dinitrotoluene	16.17	15.92	16.42
2-Amino-4,6-dinitrotoluene	17.18	16.93	17.43
2,6-Dinitrotoluene	18.79	18.54	19.04
2,4-Dinitrotoluene	19.36	19.11	19.61
2-Nitrotoluene	22.64	22.39	22.89
4-Nitrotoluene	24.28	24.03	24.53
3-Nitrotoluene	26.24	25.99	26.49
PETN	28.42	28.17	28.67
3,4-Dinitrotoluene	16.66	16.41	16.91

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20121211-1782.b\H000001.D
 Lims ID: CCVL Client ID:
 Inject. Date: 11-Dec-2012 15:27:01 Dil. Factor: 1.0000
 Sample Type: CCVL
 Sample ID: 320-0001782-001
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 10
 Lims Batch ID: 7240 Lims Sample ID: 1
 Sublist: chrom-8330_LC10*sub2
 Method: \\SACChrom\ChromData\LC10\20121211-1782.b\8330_LC10.m
 Last Update: 12-Dec-2012 07:55:08 Calib Date: 01-Sep-2012 16:31:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK018

First Level Reviewer: noonanr

Date: 12-Dec-2012 07:55:08

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

11 HMX						
1	5.217	5.217	0.0	768	6.10	
19 RDX						
1	7.490	7.490	0.0	550	6.18	
27 1,3,5-Trinitrobenzene						
1	9.827	9.827	0.0	976	6.00	
24 1,3-Dinitrobenzene						
1	12.454	12.454	0.0	985	6.09	
9 3,5-Dinitroaniline						
1	13.197	13.197	0.0	704	6.78	
20 Tetryl						
1	13.600	13.600	0.0	563	6.50	
5 Nitrobenzene						
1	14.120	14.120	0.0	450	6.10	
7 Nitroglycerin						
2	14.760	14.760	0.0	1506	23.2	
25 2,4,6-Trinitrotoluene						
1	15.654	15.654	0.0	552	5.95	
26 4-Amino-2,6-dinitrotoluene						
1	16.170	16.170	0.0	420	5.55	
\$ 30 3,4-Dinitrotoluene						
1	16.664	16.664	0.0	1077	19.1	
2	16.650	16.650	0.0	1983	19.2	
6 2-Amino-4,6-dinitrotoluene						
1	17.177	17.177	0.0	509	6.09	
12 2,6-Dinitrotoluene						
1	18.790	18.790	0.0	323	5.42	

Data File: \\SACChrom\ChromData\LC10\20121211-1782.b\H000001.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
23 2,4-Dinitrotoluene						
1	19.360	19.360	0.0	532	5.54	
16 o-Nitrotoluene						
1	22.637	22.637	0.0	302	6.78	
15 p-Nitrotoluene						
1	24.284	24.284	0.0	406	7.60	
8 m-Nitrotoluene						
1	26.240	26.240	0.0	388	7.19	
21 PETN						
2	28.420	28.420	0.0	922	25.1	

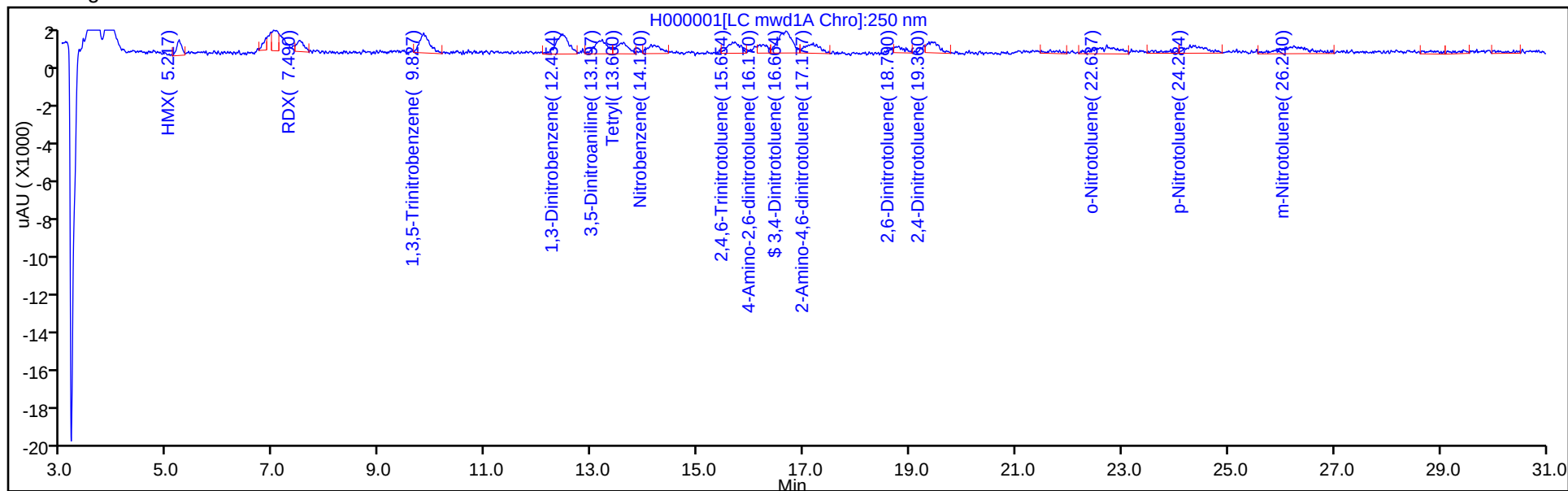
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Chrom Revision: 2.1 06-Dec-2012 12:37:36

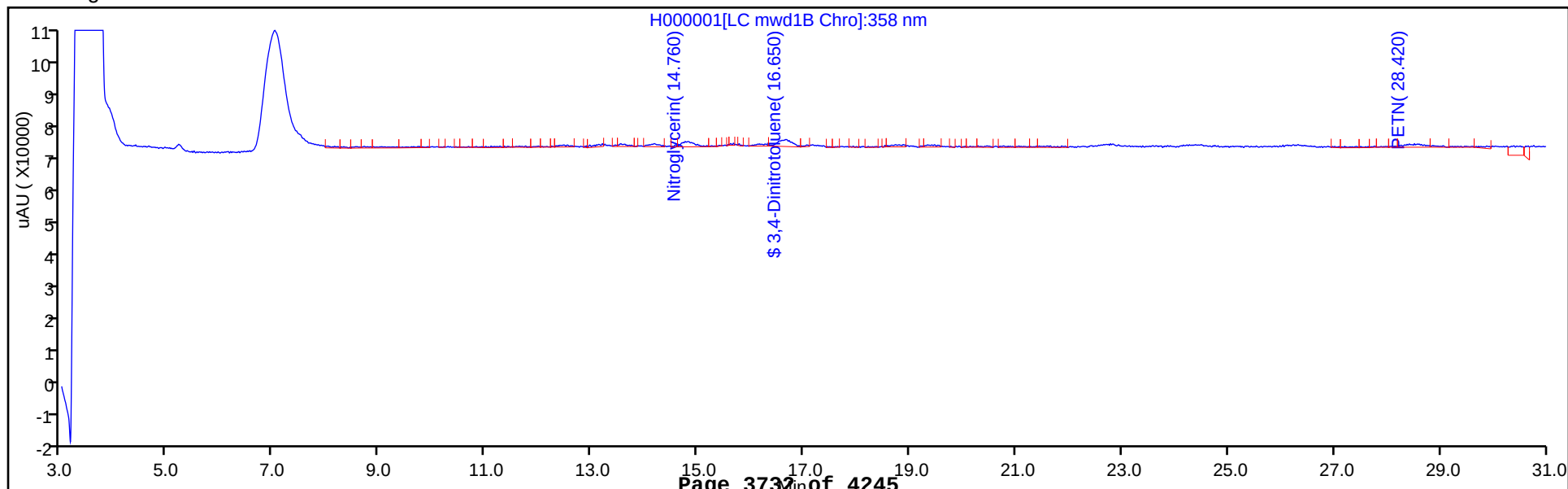
TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121211-1782.b\H000001.D
Injection Date: 11-Dec-2012 15:27:01 Limit Group: LC 8330B ICAL
Client ID: Instrument ID: LC10
Lims Batch ID: 7240 Lims Sample ID: 1
Operator ID: RN Injection Vol: 500.0 ul
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1

SDG No.: _____

Lab Sample ID: CCV 320-7240/2 Calibration Date: 12/11/2012 16:07

Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50

GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 09/01/2012 16:31

Lab File ID: H000002.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	125.8	125.8		200	200	0.0	20.0
RDX	Ave	88.99	84.78		191	200	-4.7	20.0
Ethylene glycol dinitrate	Ave	96.86	105.6		218	200	9.0	20.0
1,3,5-Trinitrobenzene	Ave	162.7	159.8		196	200	-1.8	20.0
1,3-Dinitrobenzene	Ave	161.7	160.0		198	200	-1.0	20.0
3,5-Dinitroaniline	Ave	103.9	102.0		196	200	-1.9	20.0
Tetryl	Ave	86.55	93.90		217	200	8.5	20.0
Nitrobenzene	Ave	73.74	72.52		197	200	-1.7	20.0
Nitroglycerin	Ave	64.89	62.16		192	200	-4.2	20.0
2,4,6-Trinitrotoluene	Ave	92.79	98.12		211	200	5.7	20.0
4-Amino-2,6-dinitrotoluene	Ave	75.73	74.57		197	200	-1.5	20.0
2-Amino-4,6-dinitrotoluene	Ave	83.59	82.05		196	200	-1.8	20.0
2,6-Dinitrotoluene	Ave	59.58	57.81		194	200	-3.0	20.0
2,4-Dinitrotoluene	Ave	95.97	95.60		199	200	-0.4	20.0
2-Nitrotoluene	Ave	44.56	41.65		187	200	-6.5	20.0
4-Nitrotoluene	Ave	53.43	51.57		193	200	-3.5	20.0
3-Nitrotoluene	Ave	53.94	52.10		193	200	-3.4	20.0
PETN	Ave	36.72	37.08		202	200	1.0	20.0
3,4-Dinitrotoluene	Ave	56.32	53.71		191	200	-4.6	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1
 SDG No.: _____
 Lab Sample ID: CCV 320-7240/2 Calibration Date: 12/11/2012 16:07
 Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 09/01/2012 16:31
 Lab File ID: H000002.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.20	4.95	5.45
RDX	7.48	7.23	7.73
Ethylene glycol dinitrate	8.18	7.93	8.43
1,3,5-Trinitrobenzene	9.81	9.56	10.06
1,3-Dinitrobenzene	12.43	12.18	12.68
3,5-Dinitroaniline	13.16	12.91	13.41
Tetryl	13.57	13.32	13.82
Nitrobenzene	14.17	13.92	14.42
Nitroglycerin	14.79	14.54	15.04
2,4,6-Trinitrotoluene	15.67	15.42	15.92
4-Amino-2,6-dinitrotoluene	16.20	15.95	16.45
2-Amino-4,6-dinitrotoluene	17.17	16.92	17.42
2,6-Dinitrotoluene	18.76	18.51	19.01
2,4-Dinitrotoluene	19.40	19.15	19.65
2-Nitrotoluene	22.71	22.46	22.96
4-Nitrotoluene	24.38	24.13	24.63
3-Nitrotoluene	26.24	25.99	26.49
PETN	28.44	28.19	28.69
3,4-Dinitrotoluene	16.64	16.39	16.89

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20121211-1782.b\H000002.D
 Lims ID: CCV 06 Client ID:
 Inject. Date: 11-Dec-2012 16:07:23 Dil. Factor: 1.0000
 Sample Type: CCVRT
 Sample ID: 320-0001782-002
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 2
 Lims Batch ID: 7240 Lims Sample ID: 2
 Sublist: chrom-8330_LC10*sub1
 Method: \\SACChrom\ChromData\LC10\20121211-1782.b\8330_LC10.m
 Last Update: 12-Dec-2012 07:55:24 Calib Date: 01-Sep-2012 16:31:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK018

First Level Reviewer: noonanr

Date: 12-Dec-2012 07:55:24

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

11 HMX						
1	5.196	5.196	0.0	25164	200.0	
19 RDX						
1	7.476	7.476	0.0	16955	190.5	
3 Ethylene glycol dinitrate						
2	8.176	8.176	0.0	21114	218.0	
10 2,4,6-Trinitrophenol						
2	8.542	8.542	0.0	59322	481.7	
1	8.542	8.542	0.0	41014	496.1	
27 1,3,5-Trinitrobenzene						
1	9.812	9.812	0.0	31954	196.4	
24 1,3-Dinitrobenzene						
1	12.426	12.426	0.0	32008	198.0	
9 3,5-Dinitroaniline						
1	13.162	13.162	0.0	20394	196.3	
20 Tetryl						
1	13.566	13.566	0.0	18779	217.0	
5 Nitrobenzene						
1	14.169	14.169	0.0	14504	196.7	
7 Nitroglycerin						
2	14.789	14.789	0.0	12432	191.6	
25 2,4,6-Trinitrotoluene						
1	15.666	15.666	0.0	19624	211.5	
26 4-Amino-2,6-dinitrotoluene						
1	16.199	16.199	0.0	14913	196.9	
\$ 30 3,4-Dinitrotoluene						
1	16.636	16.636	0.0	10741	190.7	
2	16.639	16.639	0.0	19841	192.0	

Data File: \\SACChrom\ChromData\LC10\20121211-1782.b\H000002.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.169	17.169	0.0	16410	196.3	
12 2,6-Dinitrotoluene						
1	18.759	18.759	0.0	11561	194.0	
23 2,4-Dinitrotoluene						
1	19.396	19.396	0.0	19119	199.2	
16 o-Nitrotoluene						
1	22.706	22.706	0.0	8329	186.9	
15 p-Nitrotoluene						
1	24.376	24.376	0.0	10313	193.0	
8 m-Nitrotoluene						
1	26.239	26.239	0.0	10419	193.2	
21 PETN						
2	28.442	28.442	0.0	7416	201.9	

Report Date: 12-Dec-2012 07:55:25

Chrom Revision: 2.1 06-Dec-2012 12:37:36

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121211-1782.b\H000002.D

Injection Date: 11-Dec-2012 16:07:23

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 7240

Lims Sample ID: 2

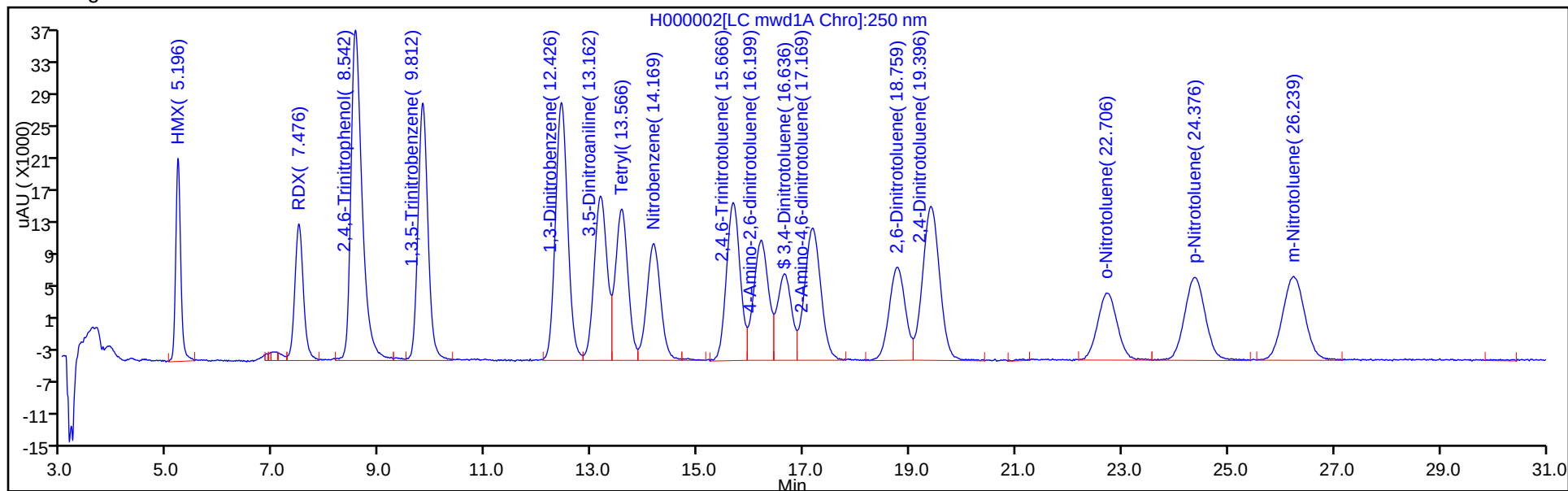
Operator ID: RN

Injection Vol: 500.0 ul

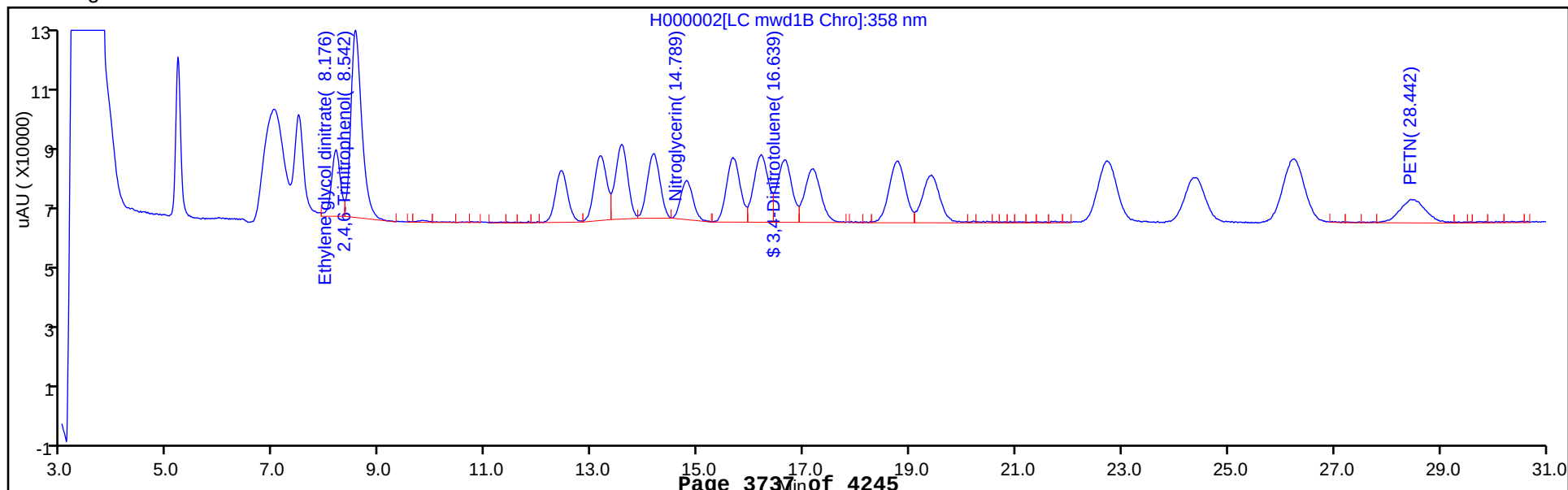
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1
 SDG No.: _____
 Lab Sample ID: CCV 320-7240/13 Calibration Date: 12/11/2012 23:29
 Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 09/01/2012 16:31
 Lab File ID: H000013.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	125.8	129.5		103	100	2.9	20.0
RDX	Ave	88.99	88.07		99.0	100	-1.0	20.0
Ethylene glycol dinitrate	Ave	96.86	106.0		109	100	9.5	20.0
1,3,5-Trinitrobenzene	Ave	162.7	165.3		102	100	1.6	20.0
1,3-Dinitrobenzene	Ave	161.7	164.5		102	100	1.7	20.0
3,5-Dinitroaniline	Ave	103.9	106.0		102	100	2.0	20.0
Tetryl	Ave	86.55	95.81		111	100	10.7	20.0
Nitrobenzene	Ave	73.74	74.53		101	100	1.1	20.0
Nitroglycerin	Ave	64.89	65.34		101	100	0.7	20.0
2,4,6-Trinitrotoluene	Ave	92.79	100.1		108	100	7.9	20.0
4-Amino-2,6-dinitrotoluene	Ave	75.73	76.85		101	100	1.5	20.0
2-Amino-4,6-dinitrotoluene	Ave	83.59	84.75		101	100	1.4	20.0
2,6-Dinitrotoluene	Ave	59.58	59.50		99.9	100	-0.1	20.0
2,4-Dinitrotoluene	Ave	95.97	98.05		102	100	2.2	20.0
2-Nitrotoluene	Ave	44.56	42.77		96.0	100	-4.0	20.0
4-Nitrotoluene	Ave	53.43	53.03		99.3	100	-0.7	20.0
3-Nitrotoluene	Ave	53.94	52.61		97.5	100	-2.5	20.0
PETN	Ave	36.72	39.15		107	100	6.6	20.0
3,4-Dinitrotoluene	Ave	56.32	55.32		98.2	100	-1.8	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1
 SDG No.: _____
 Lab Sample ID: CCV 320-7240/13 Calibration Date: 12/11/2012 23:29
 Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 09/01/2012 16:31
 Lab File ID: H000013.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.20	4.95	5.45
RDX	7.48	7.23	7.73
Ethylene glycol dinitrate	8.18	7.93	8.43
1,3,5-Trinitrobenzene	9.82	9.57	10.07
1,3-Dinitrobenzene	12.45	12.20	12.70
3,5-Dinitroaniline	13.19	12.94	13.44
Tetryl	13.58	13.33	13.83
Nitrobenzene	14.18	13.93	14.43
Nitroglycerin	14.79	14.54	15.04
2,4,6-Trinitrotoluene	15.68	15.43	15.93
4-Amino-2,6-dinitrotoluene	16.20	15.95	16.45
2-Amino-4,6-dinitrotoluene	17.17	16.92	17.42
2,6-Dinitrotoluene	18.78	18.53	19.03
2,4-Dinitrotoluene	19.42	19.17	19.67
2-Nitrotoluene	22.74	22.49	22.99
4-Nitrotoluene	24.40	24.15	24.65
3-Nitrotoluene	26.26	26.01	26.51
PETN	28.50	28.25	28.75
3,4-Dinitrotoluene	16.66	16.41	16.91

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20121211-1782.b\H000013.D
 Lims ID: CCV 05 Client ID:
 Inject. Date: 11-Dec-2012 23:29:20 Dil. Factor: 1.0000
 Sample Type: CCVRT
 Sample ID: 320-0001782-013
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 3
 Lims Batch ID: 7240 Lims Sample ID: 13
 Sublist: chrom-8330_LC10*sub1
 Method: \\SACChrom\ChromData\LC10\20121211-1782.b\8330_LC10.m
 Last Update: 12-Dec-2012 08:03:00 Calib Date: 01-Sep-2012 16:31:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK018

First Level Reviewer: noonanr

Date: 12-Dec-2012 08:03:00

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

11 HMX						
1	5.202	5.202	0.0	12949	102.9	
19 RDX						
1	7.482	7.482	0.0	8807	99.0	
3 Ethylene glycol dinitrate						
2	8.182	8.182	0.0	10604	109.5	
10 2,4,6-Trinitrophenol						
2	8.582	8.582	0.0	24906	202.2	
1	8.582	8.582	0.0	17325	209.6	
27 1,3,5-Trinitrobenzene						
1	9.822	9.822	0.0	16529	101.6	
24 1,3-Dinitrobenzene						
1	12.449	12.449	0.0	16448	101.7	
9 3,5-Dinitroaniline						
1	13.186	13.186	0.0	10598	102.0	
20 Tetryl						
1	13.579	13.579	0.0	9581	110.7	
5 Nitrobenzene						
1	14.182	14.182	0.0	7453	101.1	
7 Nitroglycerin						
2	14.789	14.789	0.0	6534	100.7	
25 2,4,6-Trinitrotoluene						
1	15.682	15.682	0.0	10014	107.9	
26 4-Amino-2,6-dinitrotoluene						
1	16.202	16.202	0.0	7685	101.5	
\$ 30 3,4-Dinitrotoluene						
1	16.659	16.659	0.0	5532	98.2	
2	16.656	16.656	0.0	10224	99.0	

Data File: \\SACChrom\ChromData\LC10\20121211-1782.b\H000013.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.166	17.166	0.0	8475	101.4	
12 2,6-Dinitrotoluene						
1	18.779	18.779	0.0	5950	99.9	
23 2,4-Dinitrotoluene						
1	19.416	19.416	0.0	9805	102.2	
16 o-Nitrotoluene						
1	22.739	22.739	0.0	4277	96.0	
15 p-Nitrotoluene						
1	24.396	24.396	0.0	5303	99.3	
8 m-Nitrotoluene						
1	26.262	26.262	0.0	5261	97.5	
21 PETN						
2	28.496	28.496	0.0	3915	106.6	

Report Date: 12-Dec-2012 08:03:00

Chrom Revision: 2.1 06-Dec-2012 12:37:36

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121211-1782.b\H000013.D

Injection Date: 11-Dec-2012 23:29:20

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 7240

Lims Sample ID: 13

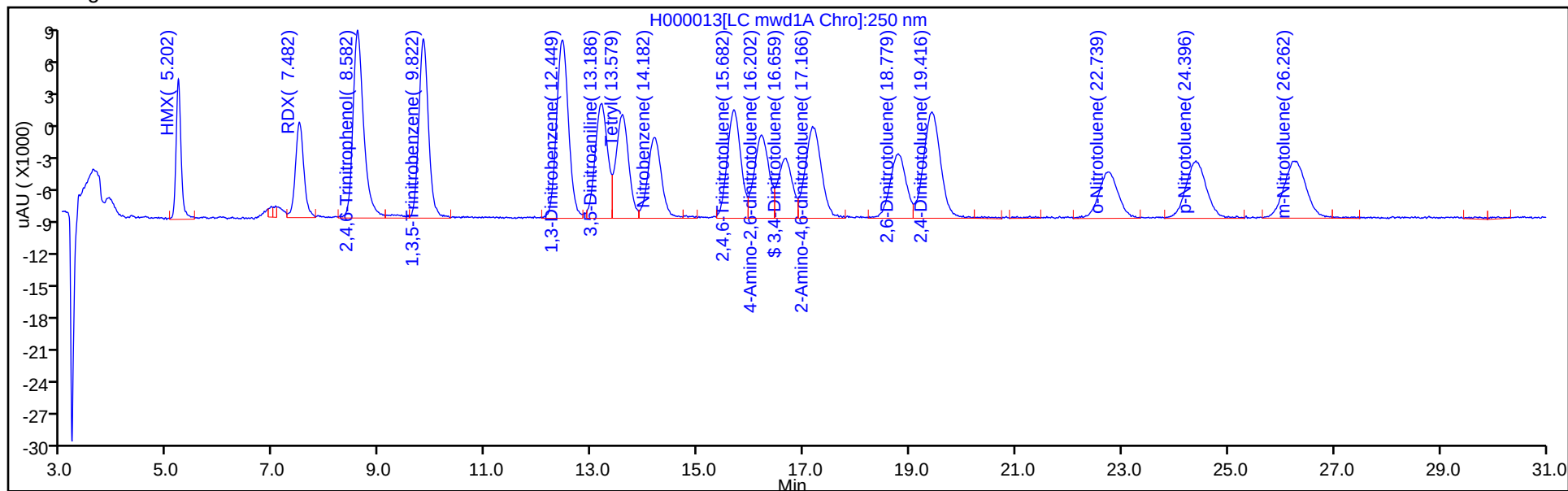
Operator ID: RN

Injection Vol: 500.0 ul

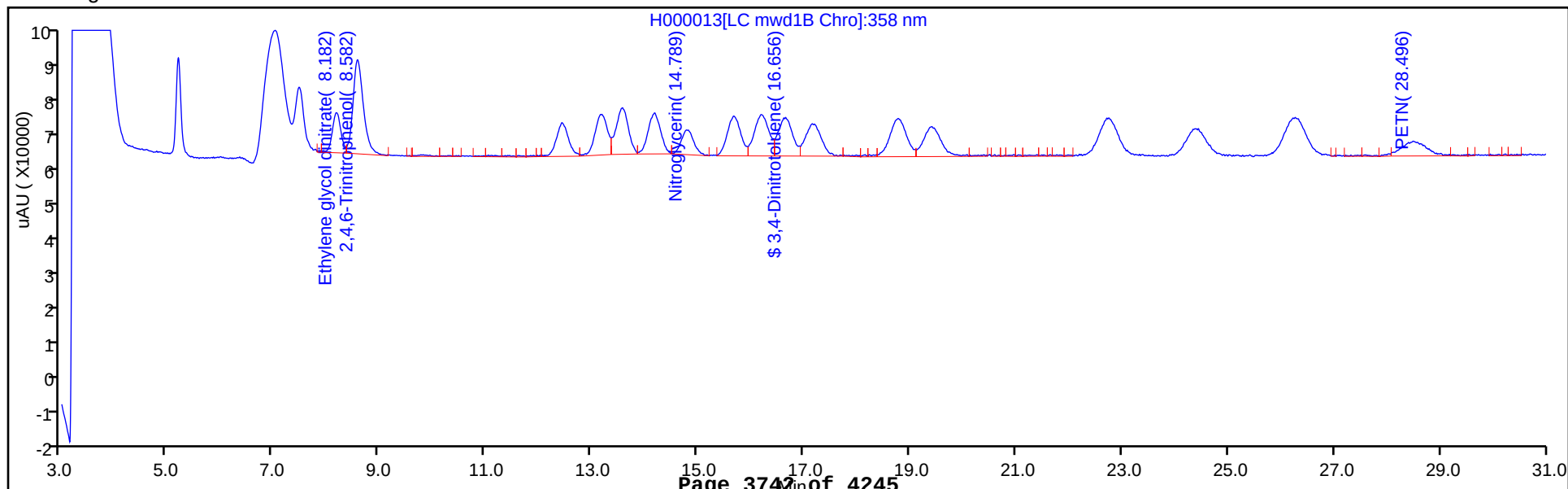
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1
 SDG No.: _____
 Lab Sample ID: STD05 320-7240/24 Calibration Date: 12/12/2012 06:52
 Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 09/01/2012 16:31
 Lab File ID: H000024.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	125.8	130.1		103	100	3.4	20.0
RDX	Ave	88.99	90.76		102	100	2.0	20.0
Ethylene glycol dinitrate	Ave	96.86	110.3		114	100	13.8	20.0
1,3,5-Trinitrobenzene	Ave	162.7	167.4		103	100	2.9	20.0
1,3-Dinitrobenzene	Ave	161.7	167.8		104	100	3.8	20.0
3,5-Dinitroaniline	Ave	103.9	107.8		104	100	3.8	20.0
Tetryl	Ave	86.55	97.00		112	100	12.1	20.0
Nitrobenzene	Ave	73.74	74.13		101	100	0.5	20.0
Nitroglycerin	Ave	64.89	65.65		101	100	1.2	20.0
2,4,6-Trinitrotoluene	Ave	92.79	101.7		110	100	9.5	20.0
4-Amino-2,6-dinitrotoluene	Ave	75.73	77.92		103	100	2.9	20.0
2-Amino-4,6-dinitrotoluene	Ave	83.59	87.14		104	100	4.2	20.0
2,6-Dinitrotoluene	Ave	59.58	61.10		103	100	2.5	20.0
2,4-Dinitrotoluene	Ave	95.97	99.09		103	100	3.3	20.0
2-Nitrotoluene	Ave	44.56	43.06		96.6	100	-3.4	20.0
4-Nitrotoluene	Ave	53.43	52.97		99.1	100	-0.9	20.0
3-Nitrotoluene	Ave	53.94	52.72		97.7	100	-2.3	20.0
PETN	Ave	36.72	40.65		111	100	10.7	20.0
3,4-Dinitrotoluene	Ave	56.32	56.26		99.9	100	-0.1	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1
 SDG No.: _____
 Lab Sample ID: STD05 320-7240/24 Calibration Date: 12/12/2012 06:52
 Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 09/01/2012 16:31
 Lab File ID: H000024.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.19	4.94	5.44
RDX	7.47	7.22	7.72
Ethylene glycol dinitrate	8.16	7.91	8.41
1,3,5-Trinitrobenzene	9.80	9.55	10.05
1,3-Dinitrobenzene	12.40	12.15	12.65
3,5-Dinitroaniline	13.12	12.87	13.37
Tetryl	13.52	13.27	13.77
Nitrobenzene	14.13	13.88	14.38
Nitroglycerin	14.76	14.51	15.01
2,4,6-Trinitrotoluene	15.63	15.38	15.88
4-Amino-2,6-dinitrotoluene	16.12	15.87	16.37
2-Amino-4,6-dinitrotoluene	17.10	16.85	17.35
2,6-Dinitrotoluene	18.71	18.46	18.96
2,4-Dinitrotoluene	19.33	19.08	19.58
2-Nitrotoluene	22.66	22.41	22.91
4-Nitrotoluene	24.33	24.08	24.58
3-Nitrotoluene	26.17	25.92	26.42
PETN	28.41	28.16	28.66
3,4-Dinitrotoluene	16.58	16.33	16.83

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20121211-1782.b\H000024.D
 Lims ID: STD05 Client ID:
 Inject. Date: 12-Dec-2012 06:52:08 Dil. Factor: 1.0000
 Sample Type: CCVRT
 Sample ID: 320-0001782-024
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 3
 Lims Batch ID: 7240 Lims Sample ID: 24
 Sublist: chrom-8330_LC10*sub1
 Method: \\SACChrom\ChromData\LC10\20121211-1782.b\8330_LC10.m
 Last Update: 12-Dec-2012 08:13:56 Calib Date: 01-Sep-2012 16:31:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK018

First Level Reviewer: noonanr

Date: 12-Dec-2012 08:13:56

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

11 HMX						
1	5.193	5.193	0.0	13010	103.4	
19 RDX						
1	7.466	7.466	0.0	9076	102.0	
3 Ethylene glycol dinitrate						
2	8.163	8.163	0.0	11027	113.8	
10 2,4,6-Trinitrophenol						
2	8.553	8.553	0.0	25159	204.3	
1	8.553	8.553	0.0	17519	211.9	
27 1,3,5-Trinitrobenzene						
1	9.796	9.796	0.0	16744	102.9	
24 1,3-Dinitrobenzene						
1	12.403	12.403	0.0	16779	103.8	
9 3,5-Dinitroaniline						
1	13.123	13.123	0.0	10783	103.8	
20 Tetryl						
1	13.520	13.520	0.0	9700	112.1	
5 Nitrobenzene						
1	14.133	14.133	0.0	7413	100.5	
7 Nitroglycerin						
2	14.757	14.757	0.0	6565	101.2	
25 2,4,6-Trinitrotoluene						
1	15.633	15.633	0.0	10165	109.5	
26 4-Amino-2,6-dinitrotoluene						
1	16.120	16.120	0.0	7792	102.9	
\$ 30 3,4-Dinitrotoluene						
1	16.580	16.580	0.0	5626	99.9	
2	16.593	16.593	0.0	10316	99.8	

Data File: \\SACChrom\ChromData\LC10\20121211-1782.b\H000024.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.103	17.103	0.0	8714	104.2	
12 2,6-Dinitrotoluene						
1	18.707	18.707	0.0	6110	102.5	
23 2,4-Dinitrotoluene						
1	19.327	19.327	0.0	9909	103.3	
16 o-Nitrotoluene						
1	22.663	22.663	0.0	4306	96.6	
15 p-Nitrotoluene						
1	24.333	24.333	0.0	5297	99.1	
8 m-Nitrotoluene						
1	26.170	26.170	0.0	5272	97.7	
21 PETN						
2	28.407	28.407	0.0	4065	110.7	

Report Date: 12-Dec-2012 08:13:56

Chrom Revision: 2.1 06-Dec-2012 12:37:36

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121211-1782.b\H000024.D

Injection Date: 12-Dec-2012 06:52:08

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 7240

Lims Sample ID: 24

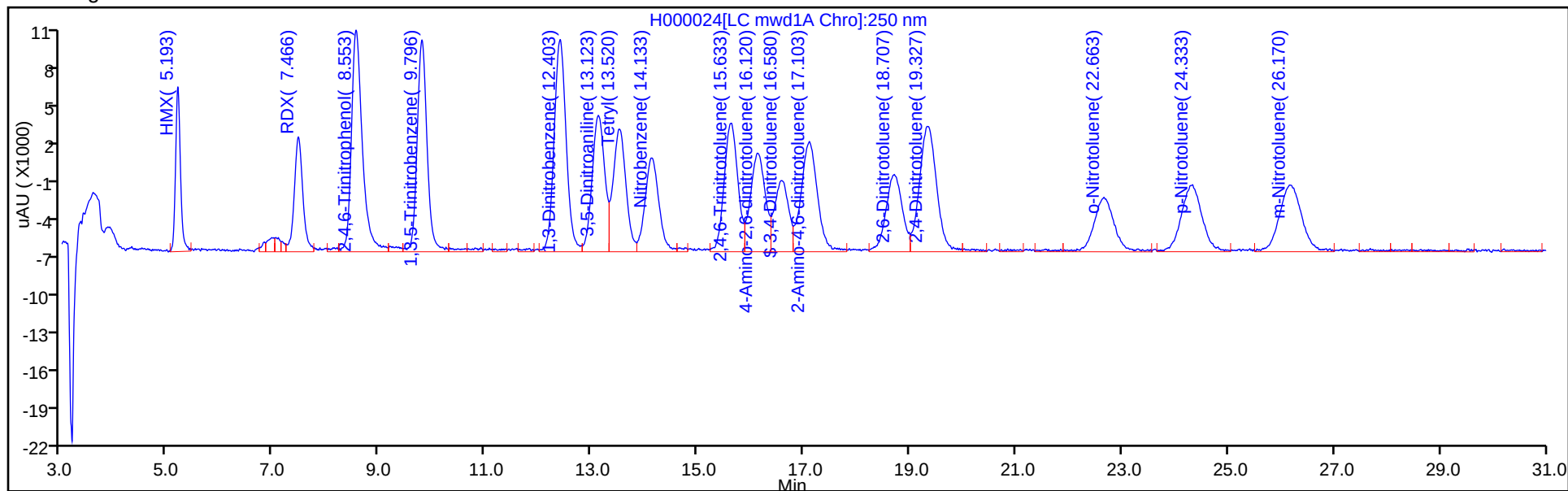
Operator ID: RN

Injection Vol: 500.0 ul

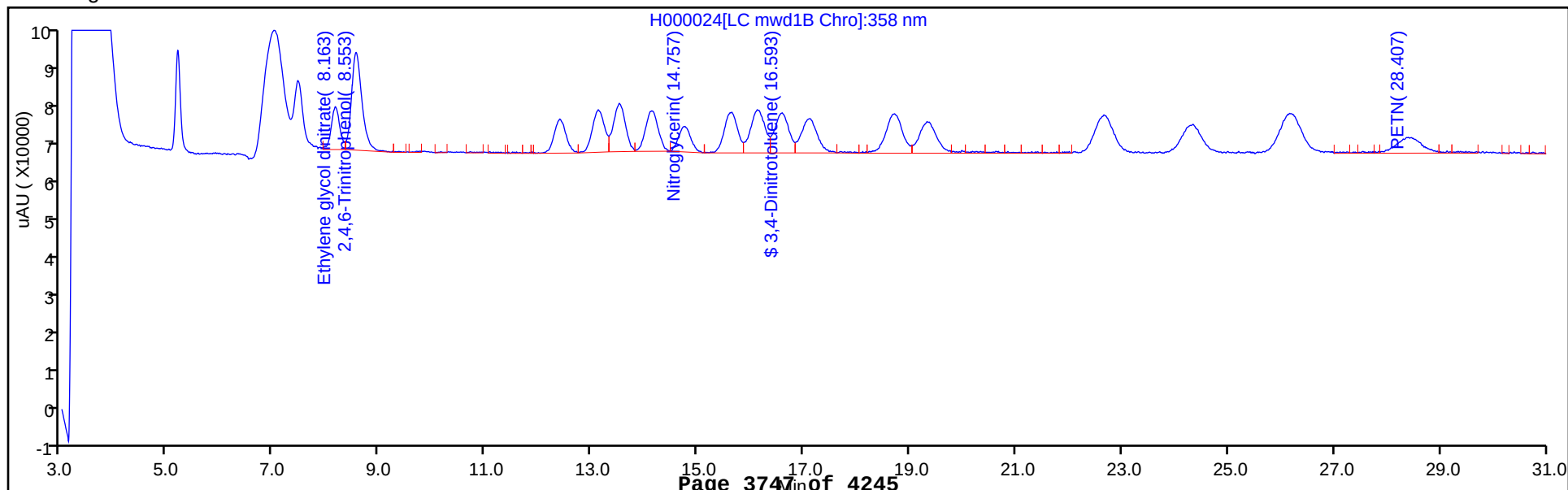
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1

SDG No.: _____

Lab Sample ID: CCV 320-7240/26 Calibration Date: 12/12/2012 11:36

Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50

GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 09/01/2012 16:31

Lab File ID: L000006.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	125.8	128.5		102	100	2.1	20.0
RDX	Ave	88.99	88.40		99.3	100	-0.7	20.0
Ethylene glycol dinitrate	Ave	96.86	107.9		111	100	11.4	20.0
1,3,5-Trinitrobenzene	Ave	162.7	164.0		101	100	0.8	20.0
1,3-Dinitrobenzene	Ave	161.7	164.4		102	100	1.7	20.0
3,5-Dinitroaniline	Ave	103.9	104.8		101	100	0.9	20.0
Tetryl	Ave	86.55	95.41		110	100	10.2	20.0
Nitrobenzene	Ave	73.74	74.04		100	100	0.4	20.0
Nitroglycerin	Ave	64.89	63.85		98.4	100	-1.6	20.0
2,4,6-Trinitrotoluene	Ave	92.79	99.5		107	100	7.3	20.0
4-Amino-2,6-dinitrotoluene	Ave	75.73	74.80		98.8	100	-1.2	20.0
2-Amino-4,6-dinitrotoluene	Ave	83.59	83.52		99.9	100	-0.0	20.0
2,6-Dinitrotoluene	Ave	59.58	59.45		99.8	100	-0.2	20.0
2,4-Dinitrotoluene	Ave	95.97	97.17		101	100	1.3	20.0
2-Nitrotoluene	Ave	44.56	42.95		96.4	100	-3.6	20.0
4-Nitrotoluene	Ave	53.43	53.04		99.3	100	-0.7	20.0
3-Nitrotoluene	Ave	53.94	53.97		100	100	0.0	20.0
PETN	Ave	36.72	38.50		105	100	4.8	20.0
3,4-Dinitrotoluene	Ave	56.32	55.00		97.7	100	-2.3	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1
 SDG No.: _____
 Lab Sample ID: CCV 320-7240/26 Calibration Date: 12/12/2012 11:36
 Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 09/01/2012 16:31
 Lab File ID: L000006.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.20	4.95	5.45
RDX	7.48	7.23	7.73
Ethylene glycol dinitrate	8.18	7.93	8.43
1,3,5-Trinitrobenzene	9.82	9.57	10.07
1,3-Dinitrobenzene	12.43	12.18	12.68
3,5-Dinitroaniline	13.15	12.90	13.40
Tetryl	13.55	13.30	13.80
Nitrobenzene	14.17	13.92	14.42
Nitroglycerin	14.76	14.51	15.01
2,4,6-Trinitrotoluene	15.66	15.41	15.91
4-Amino-2,6-dinitrotoluene	16.18	15.93	16.43
2-Amino-4,6-dinitrotoluene	17.13	16.88	17.38
2,6-Dinitrotoluene	18.75	18.50	19.00
2,4-Dinitrotoluene	19.36	19.11	19.61
2-Nitrotoluene	22.71	22.46	22.96
4-Nitrotoluene	24.36	24.11	24.61
3-Nitrotoluene	26.23	25.98	26.48
PETN	28.46	28.21	28.71
3,4-Dinitrotoluene	16.61	16.36	16.86

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20121211-1782.b\L000006.D
 Lims ID: CCV 05 Client ID:
 Inject. Date: 12-Dec-2012 11:36:29 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: 320-0001782-026
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 4
 Lims Batch ID: 7240 Lims Sample ID: 26
 Sublist: chrom-8330_LC10*sub1
 Method: \\SACChrom\ChromData\LC10\20121211-1782.b\8330_LC10.m
 Last Update: 12-Dec-2012 12:22:37 Calib Date: 01-Sep-2012 16:31:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK018

First Level Reviewer: noonanr

Date: 12-Dec-2012 12:21:58

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

11 HMX						
1	5.195	5.195	0.0	12848	102.1	
19 RDX						
1	7.475	7.475	0.0	8840	99.3	
3 Ethylene glycol dinitrate						
2	8.175	8.175	0.0	10791	111.4	
10 2,4,6-Trinitrophenol						
2	8.575	8.575	0.0	24789	201.3	
1	8.575	8.575	0.0	17164	207.6	
27 1,3,5-Trinitrobenzene						
1	9.815	9.815	0.0	16398	100.8	
24 1,3-Dinitrobenzene						
1	12.426	12.426	0.0	16439	101.7	
9 3,5-Dinitroaniline						
1	13.152	13.152	0.0	10482	100.9	
20 Tetryl						
1	13.549	13.549	0.0	9541	110.2	
5 Nitrobenzene						
1	14.166	14.166	0.0	7404	100.4	
7 Nitroglycerin						
2	14.759	14.759	0.0	6385	98.4	
25 2,4,6-Trinitrotoluene						
1	15.656	15.656	0.0	9954	107.3	
26 4-Amino-2,6-dinitrotoluene						
1	16.179	16.179	0.0	7480	98.8	
\$ 30 3,4-Dinitrotoluene						
1	16.612	16.612	0.0	5500	97.7	
2	16.622	16.622	0.0	10325	99.9	

Data File: \\SACChrom\ChromData\LC10\20121211-1782.b\L000006.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.132	17.132	0.0	8352	99.9	
12 2,6-Dinitrotoluene						
1	18.752	18.752	0.0	5945	99.8	
23 2,4-Dinitrotoluene						
1	19.359	19.359	0.0	9717	101.3	
16 o-Nitrotoluene						
1	22.706	22.706	0.0	4295	96.4	
15 p-Nitrotoluene						
1	24.362	24.362	0.0	5304	99.3	
8 m-Nitrotoluene						
1	26.226	26.226	0.0	5397	100.1	
21 PETN						
2	28.459	28.459	0.0	3850	104.8	M

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 12-Dec-2012 12:22:37

Chrom Revision: 2.1 06-Dec-2012 12:37:36

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121211-1782.b\L000006.D

Injection Date: 12-Dec-2012 11:36:29

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 7240

Lims Sample ID: 26

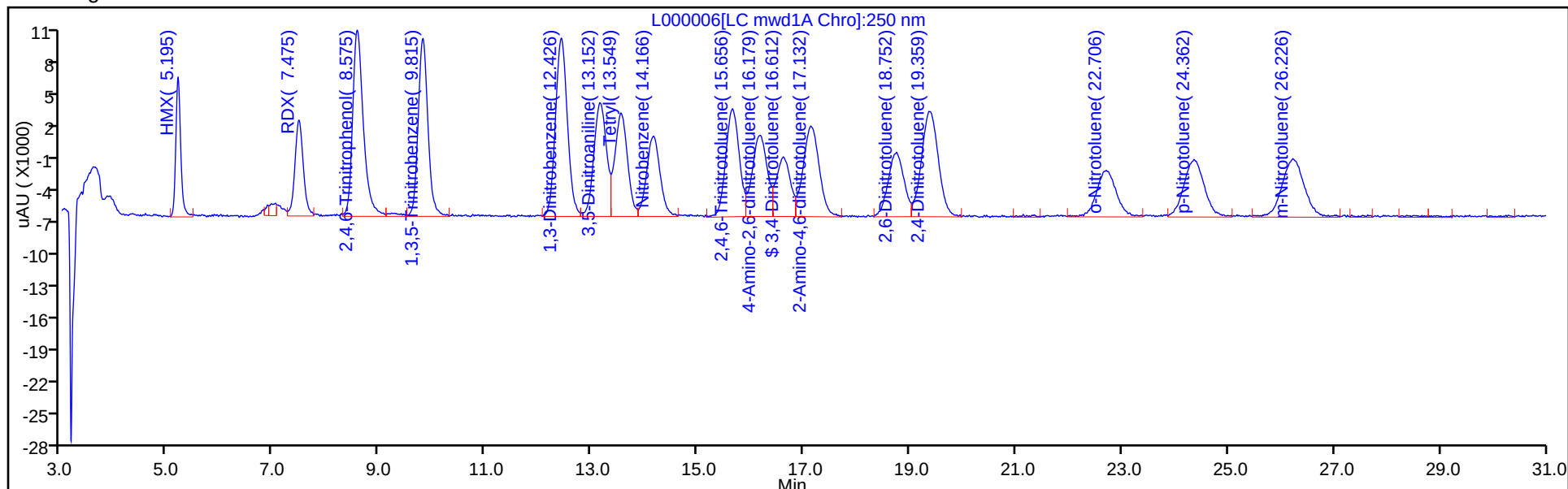
Operator ID: RN

Injection Vol: 500.0 ul

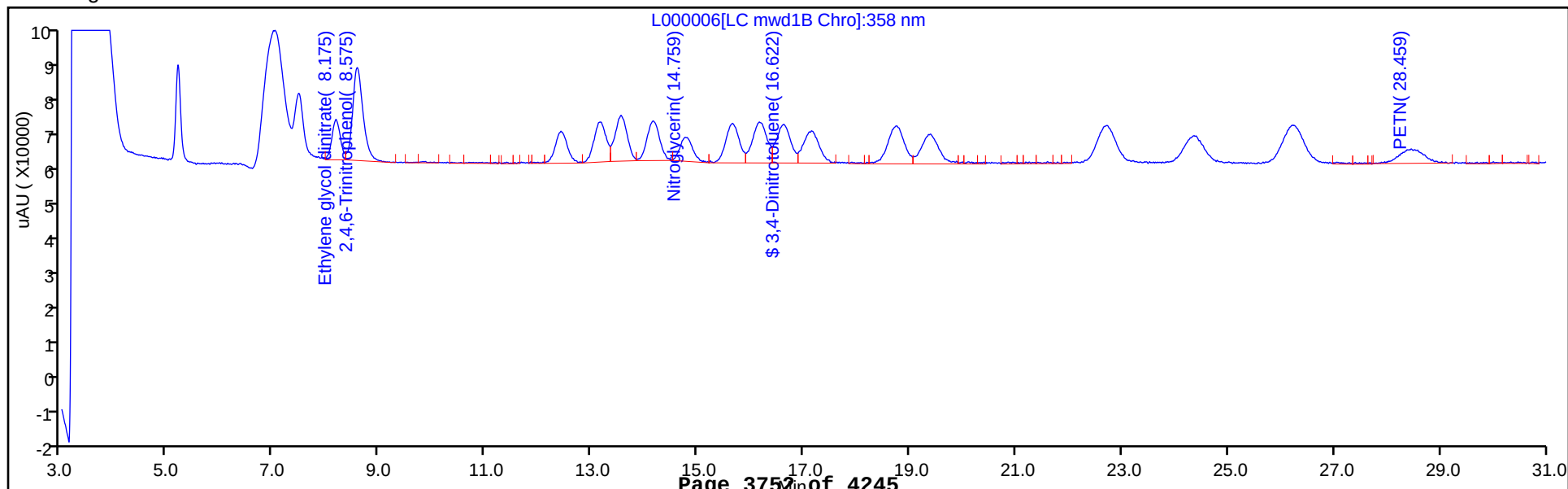
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121211-1782.b\L000006.D

Injection Date: 12-Dec-2012 11:36:29

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 7240

Lims Sample ID: 26

Operator ID: RN

Injection Vol: 500.0 ul

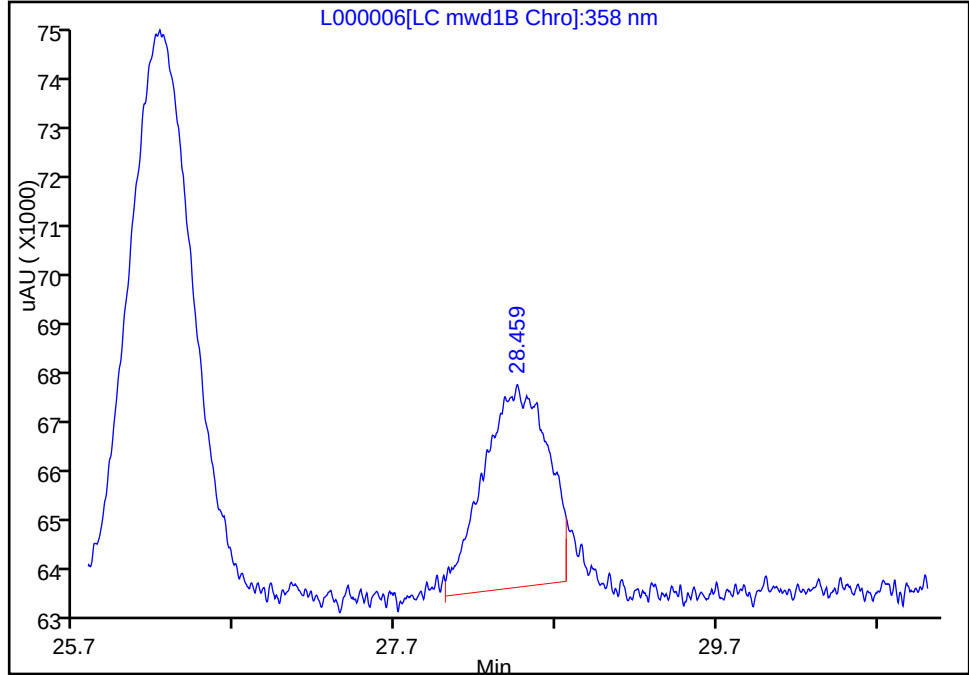
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

21 PETN, Signal: 1, Type: quant, RT: 28.46, Det: LC mwd1B

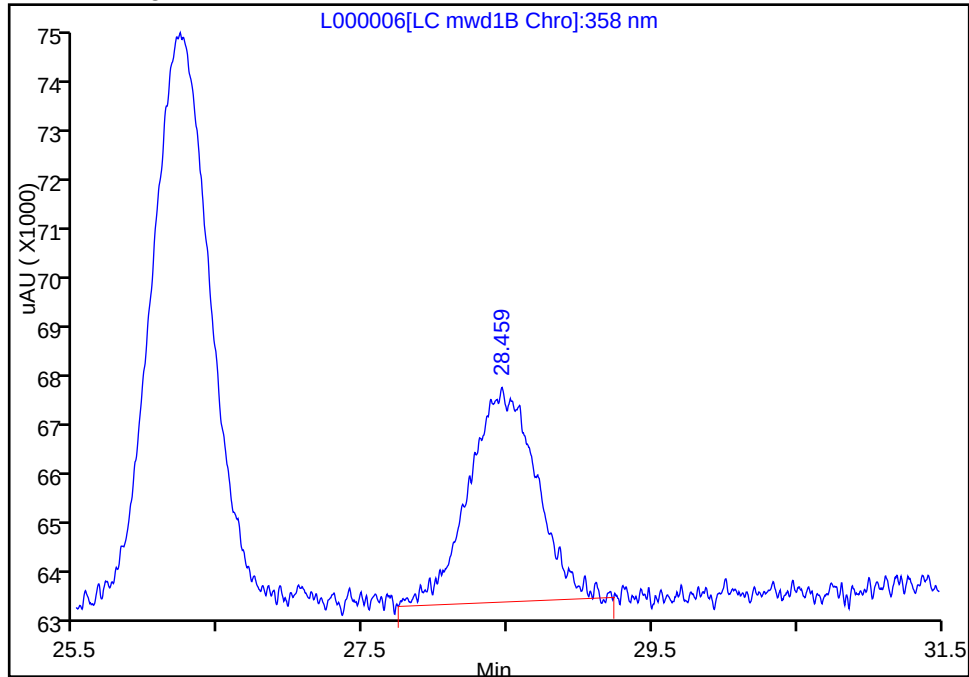
RT: 28.46
Response: 3633
Amount: 98.925336

Processing Integration Results



RT: 28.46
Response: 3850
Amount: 104.8342

Manual Integration Results



Reviewer: noonanr, 12-Dec-2012 12:22:37

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1
 SDG No.: _____
 Lab Sample ID: CCVL 320-7240/27 Calibration Date: 12/12/2012 12:16
 Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 09/01/2012 16:31
 Lab File ID: L000007.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	125.8	154.0		6.12	5.00	22.4*	20.0
RDX	Ave	88.99	134.8		7.57	5.00	51.5*	20.0
1,3,5-Trinitrobenzene	Ave	162.7	203.4		6.25	5.00	25.0*	20.0
1,3-Dinitrobenzene	Ave	161.7	201.4		6.23	5.00	24.6*	20.0
3,5-Dinitroaniline	Ave	103.9	144.2		6.94	5.00	38.8*	20.0
Tetryl	Ave	86.55	111.6		6.45	5.00	28.9*	20.0
Nitrobenzene	Ave	73.74	96.00		6.51	5.00	30.2*	20.0
Nitroglycerin	Ave	64.89	71.55		22.1	20.0	10.3	20.0
2,4,6-Trinitrotoluene	Ave	92.79	126.0		6.79	5.00	35.8*	20.0
4-Amino-2,6-dinitrotoluene	Ave	75.73	119.4		7.88	5.00	57.7*	20.0
2-Amino-4,6-dinitrotoluene	Ave	83.59	130.6		7.81	5.00	56.2*	20.0
2,6-Dinitrotoluene	Ave	59.58	86.00		7.22	5.00	44.3*	20.0
2,4-Dinitrotoluene	Ave	95.97	145.8		7.60	5.00	51.9*	20.0
2-Nitrotoluene	Ave	44.56	35.00		3.93	5.00	-21.4*	20.0
4-Nitrotoluene	Ave	53.43	63.80		5.97	5.00	19.4	20.0
3-Nitrotoluene	Ave	53.94	74.40		6.90	5.00	37.9*	20.0
PETN	Ave	36.72	49.30		26.8	20.0	34.2*	20.0
3,4-Dinitrotoluene	Ave	56.32	61.40		21.8	20.0	9.0	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1
 SDG No.: _____
 Lab Sample ID: CCVL 320-7240/27 Calibration Date: 12/12/2012 12:16
 Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 09/01/2012 16:31
 Lab File ID: L000007.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.20	4.95	5.45
RDX	7.47	7.22	7.72
1,3,5-Trinitrobenzene	9.81	9.56	10.06
1,3-Dinitrobenzene	12.40	12.15	12.65
3,5-Dinitroaniline	13.18	12.93	13.43
Tetryl	13.56	13.31	13.81
Nitrobenzene	14.08	13.83	14.33
Nitroglycerin	14.69	14.44	14.94
2,4,6-Trinitrotoluene	15.62	15.37	15.87
4-Amino-2,6-dinitrotoluene	16.15	15.90	16.40
2-Amino-4,6-dinitrotoluene	17.14	16.89	17.39
2,6-Dinitrotoluene	18.66	18.41	18.91
2,4-Dinitrotoluene	19.33	19.08	19.58
2-Nitrotoluene	22.54	22.29	22.79
4-Nitrotoluene	24.17	23.92	24.42
3-Nitrotoluene	26.09	25.84	26.34
PETN	28.56	28.31	28.81
3,4-Dinitrotoluene	16.58	16.33	16.83

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20121211-1782.b\L000007.D
 Lims ID: CCVL Client ID:
 Inject. Date: 12-Dec-2012 12:16:50 Dil. Factor: 1.0000
 Sample Type: CCVRT
 Sample ID: 320-0001782-027
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 10
 Lims Batch ID: 7240 Lims Sample ID: 27
 Sublist: chrom-8330_LC10*sub2
 Method: \\SACChrom\ChromData\LC10\20121211-1782.b\8330_LC10.m
 Last Update: 12-Dec-2012 13:26:29 Calib Date: 01-Sep-2012 16:31:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK018

First Level Reviewer: noonanr

Date: 12-Dec-2012 13:26:29

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

11 HMX
 1 5.196 5.196 0.0 770 6.12
 19 RDX
 1 7.469 7.469 0.0 674 7.57
 27 1,3,5-Trinitrobenzene
 1 9.806 9.806 0.0 1017 6.25
 24 1,3-Dinitrobenzene
 1 12.399 12.399 0.0 1007 6.23
 9 3,5-Dinitroaniline
 1 13.179 13.179 0.0 721 6.94
 20 Tetryl
 1 13.559 13.559 0.0 558 6.45
 5 Nitrobenzene
 1 14.079 14.079 0.0 480 6.51
 7 Nitroglycerin
 2 14.693 14.693 0.0 1431 22.1
 25 2,4,6-Trinitrotoluene
 1 15.616 15.616 0.0 630 6.79
 26 4-Amino-2,6-dinitrotoluene
 1 16.146 16.146 0.0 597 7.88
 \$ 30 3,4-Dinitrotoluene
 1 16.579 16.579 0.0 1228 21.8
 2 16.599 16.599 0.0 2040 19.7
 6 2-Amino-4,6-dinitrotoluene
 1 17.136 17.136 0.0 653 7.81
 12 2,6-Dinitrotoluene
 1 18.656 18.656 0.0 430 7.22

Data File: \\SACChrom\ChromData\LC10\20121211-1782.b\L000007.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
23 2,4-Dinitrotoluene						
1	19.333	19.333	0.0	729	7.60	
16 o-Nitrotoluene						
1	22.539	22.539	0.0	175	3.93	
15 p-Nitrotoluene						
1	24.169	24.169	0.0	319	5.97	
8 m-Nitrotoluene						
1	26.089	26.089	0.0	372	6.90	
21 PETN						
2	28.556	28.556	0.0	986	26.8	M

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 12-Dec-2012 13:26:29

Chrom Revision: 2.1 06-Dec-2012 12:37:36

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121211-1782.b\L000007.D

Injection Date: 12-Dec-2012 12:16:50

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 7240

Lims Sample ID: 27

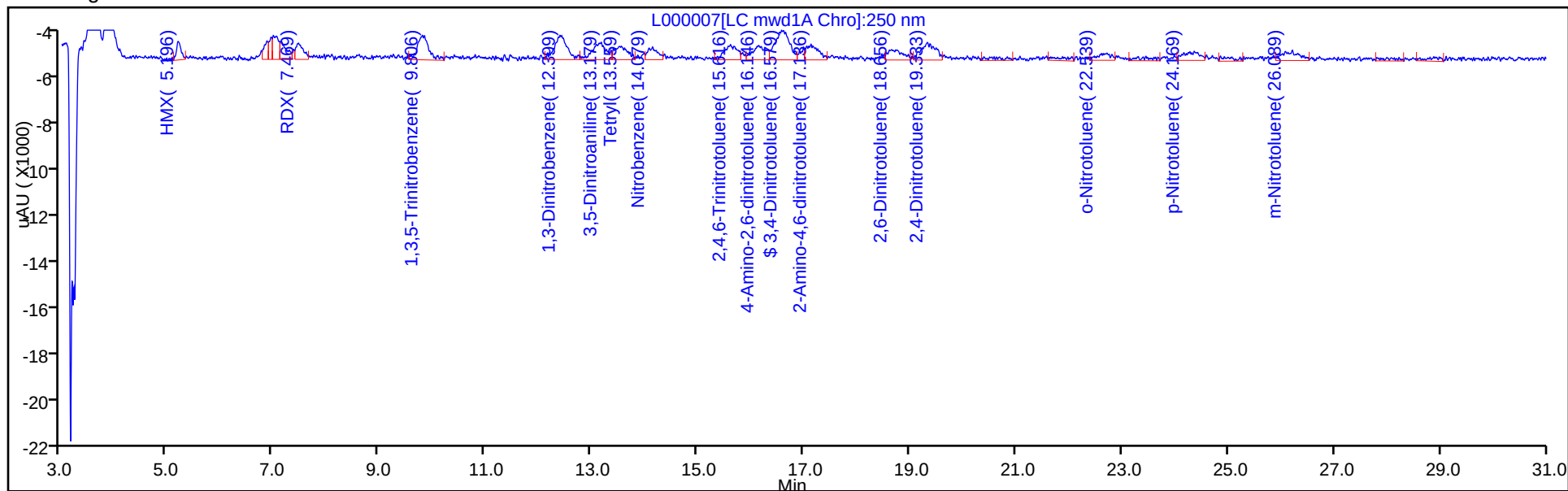
Operator ID: RN

Injection Vol: 500.0 ul

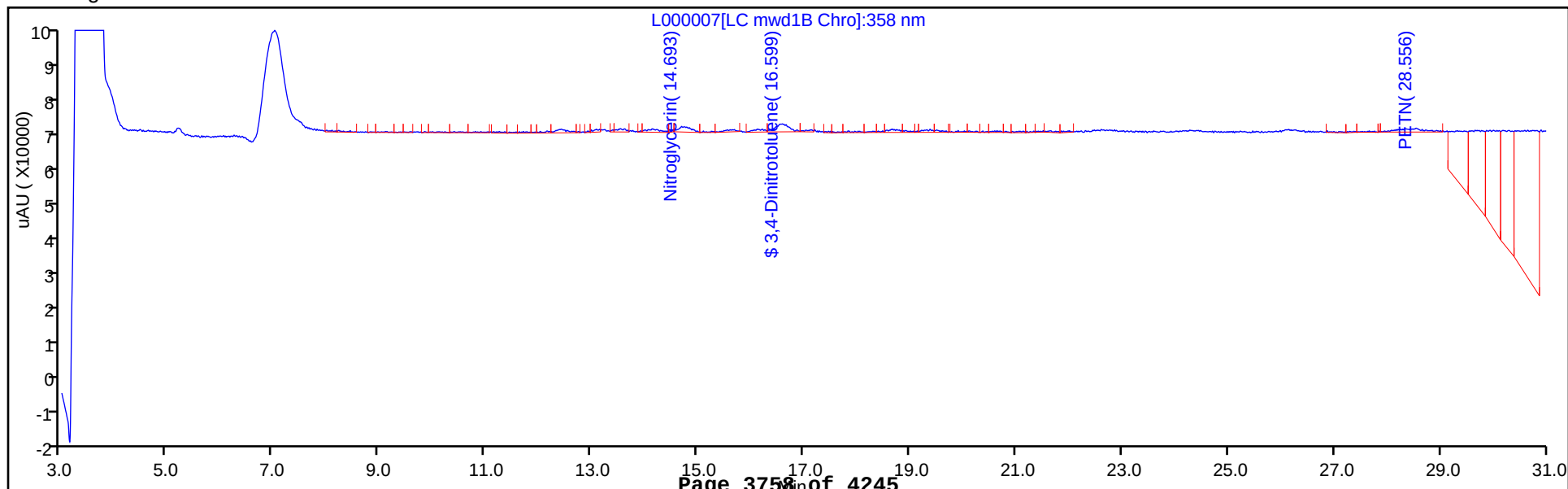
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121211-1782.b\L000007.D

Injection Date: 12-Dec-2012 12:16:50

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 7240

Lims Sample ID: 27

Operator ID: RN

Injection Vol: 500.0 ul

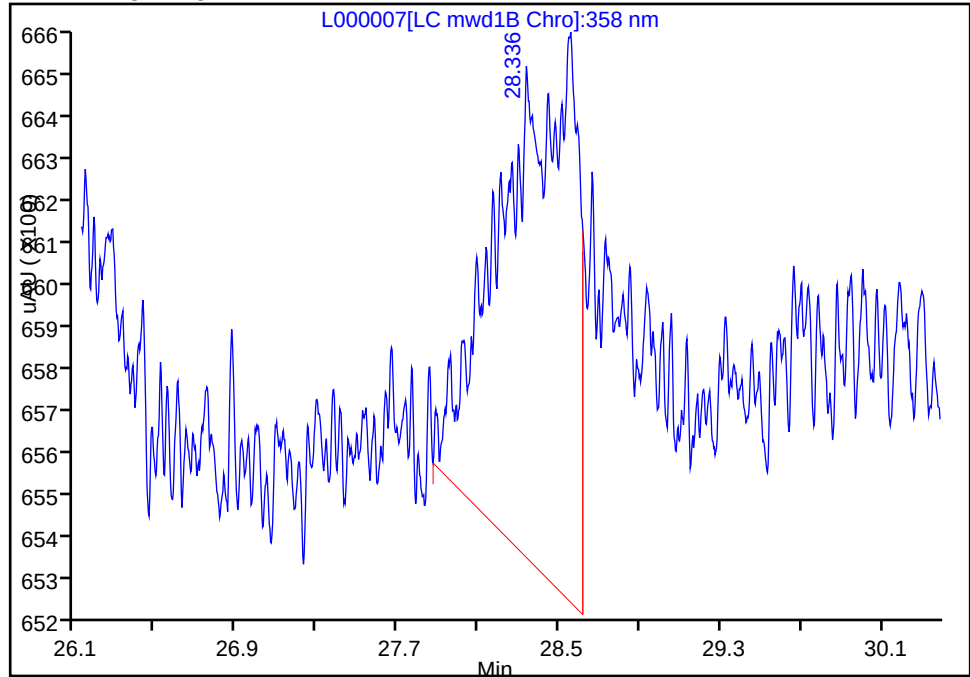
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

21 PETN, Signal: 1, Type: quant, RT: 28.56, Det: LC mwd1B

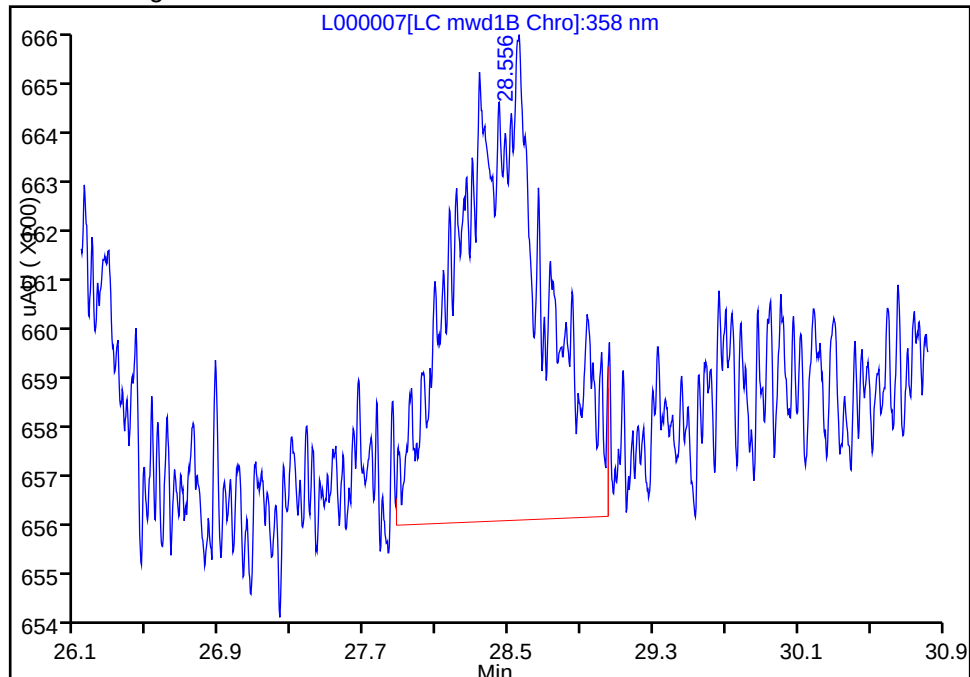
RT: 28.34
Response: 1093
Amount: 29.762013

Processing Integration Results



RT: 28.56
Response: 986
Amount: 26.848440

Manual Integration Results



Reviewer: noonanr, 12-Dec-2012 13:26:29

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 320-6172/1-A
 Matrix: Water Lab File ID: C000040.D
 Analysis Method: 8330B Date Collected: _____
 Extraction Method: 8330-Prep Date Extracted: 11/20/2012 12:14
 Sample wt/vol: 1000 (mL) Date Analyzed: 12/04/2012 13:40
 Con. Extract Vol.: 20 (mL) Dilution Factor: 1
 Injection Volume: 500 (uL) GC Column: Synergi C18 ID: 4.6 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 6772 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
99-65-0	1,3-Dinitrobenzene	0.10	U	0.10	0.10	0.050
121-14-2	2,4-Dinitrotoluene	0.10	U	0.10	0.10	0.050
606-20-2	2,6-Dinitrotoluene	0.10	U	0.10	0.10	0.050
35572-78-2	2-Amino-4,6-dinitrotoluene	0.10	U	0.20	0.10	0.015
88-72-2	2-Nitrotoluene	0.10	U	0.50	0.10	0.088
19406-51-0	4-Amino-2,6-dinitrotoluene	0.10	U	0.10	0.10	0.050
99-08-1	3-Nitrotoluene	0.10	U	0.50	0.10	0.057
2691-41-0	HMX	0.050	U	0.10	0.050	0.036
99-99-0	4-Nitrotoluene	0.10	U	0.50	0.10	0.088
98-95-3	Nitrobenzene	0.10	U	0.10	0.10	0.050
121-82-4	RDX	0.050	U	0.10	0.050	0.036
55-63-0	Nitroglycerin	0.50	U	0.65	0.50	0.33
479-45-8	Tetryl	0.10	U	0.10	0.10	0.050
99-35-4	1,3,5-Trinitrobenzene	0.050	U	0.10	0.050	0.031
78-11-5	PETN	0.50	U	0.65	0.50	0.30
118-96-7	2,4,6-Trinitrotoluene	0.10	U	0.10	0.10	0.050

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	97		79-111

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20121203-1645.b\C000040.D
Lims ID: MB 320-6172/1-A Client ID:
Inject. Date: 04-Dec-2012 13:40:29 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 320-0001645-038
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 42
Lims Batch ID: 6772 Lims Sample ID: 38
Method: \\SACChrom\ChromData\LC10\20121203-1645.b\8330_LC10.m
Last Update: 04-Dec-2012 15:21:37 Calib Date: 01-Sep-2012 16:31:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK017

First Level Reviewer: noonanr

Date: 04-Dec-2012 15:21:37

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

\$ 30 3,4-Dinitrotoluene

1	16.793	16.788	0.005	6797	120.7
2	16.790	16.794	-0.004	12741	123.3

Report Date: 04-Dec-2012 15:21:37

Chrom Revision: 2.1 03-Dec-2012 11:37:40

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121203-1645.b\C000040.D

Injection Date: 04-Dec-2012 13:40:29

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 6772

Lims Sample ID: 38

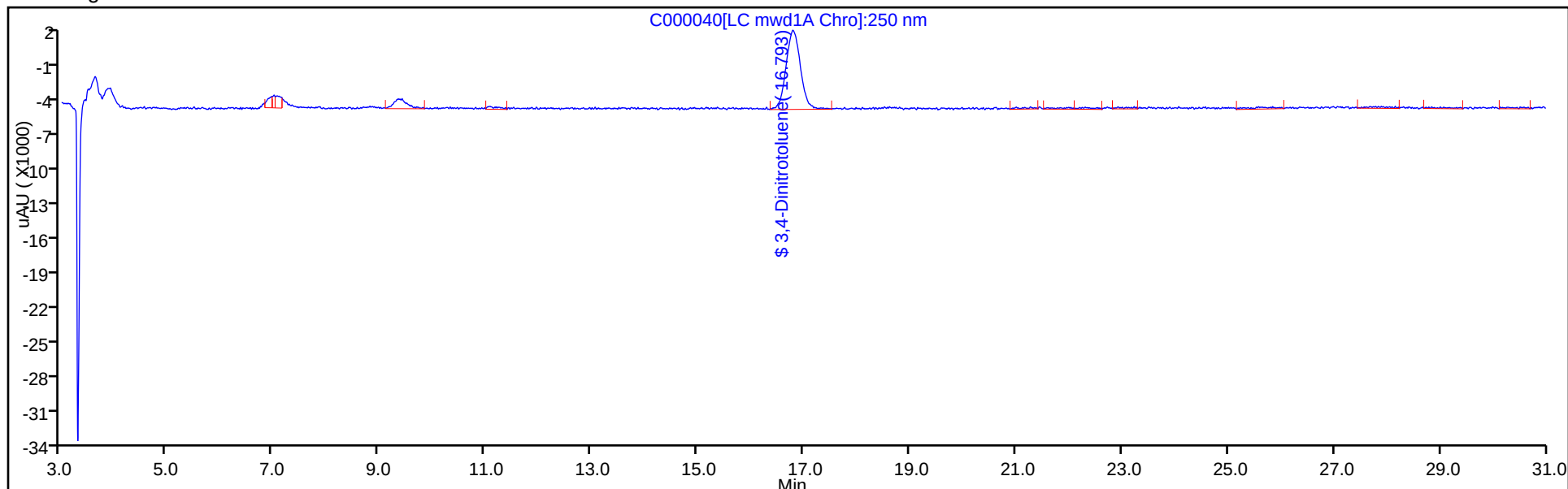
Operator ID: RN

Injection Vol: 500.0 ul

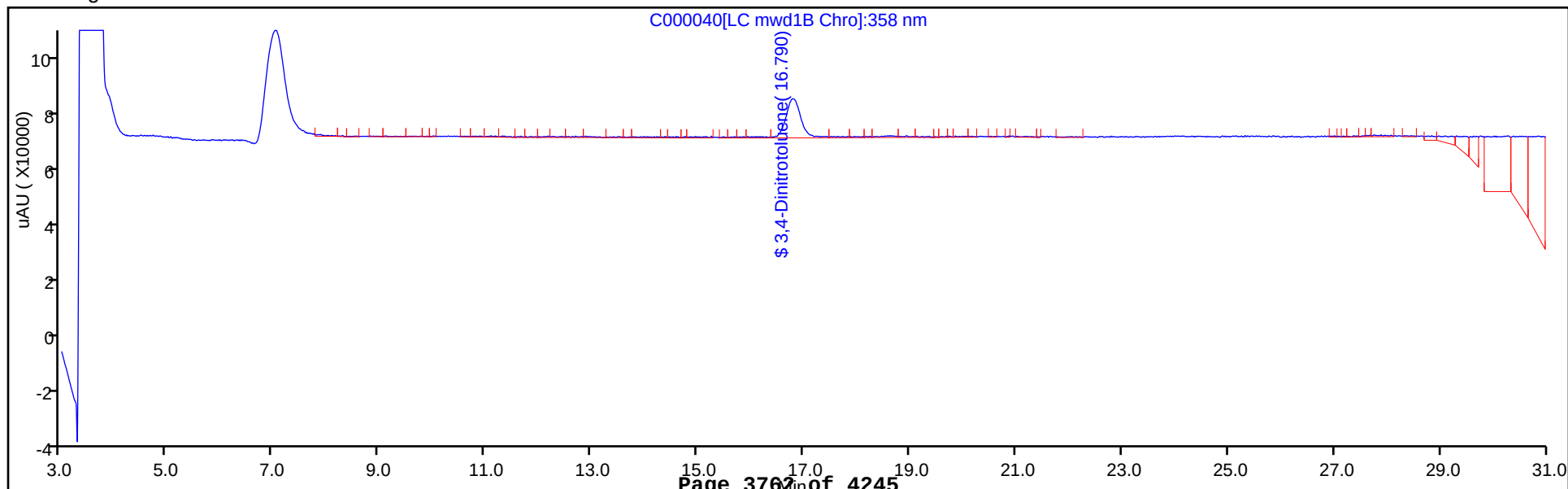
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 320-6559/1-A
 Matrix: Solid Lab File ID: H000003.D
 Analysis Method: 8330B Date Collected: _____
 Extraction Method: 8330B Date Extracted: 11/29/2012 08:10
 Sample wt/vol: 10.00(g) Date Analyzed: 12/11/2012 16:47
 Con. Extract Vol.: 80(mL) Dilution Factor: 1
 Injection Volume: 500(uL) GC Column: Synergi C18 ID: 4.6(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 7240 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
99-65-0	1,3-Dinitrobenzene	0.050	U	0.25	0.050	0.0042
121-14-2	2,4-Dinitrotoluene	0.050	U	0.25	0.050	0.0053
606-20-2	2,6-Dinitrotoluene	0.050	U	0.25	0.050	0.0073
35572-78-2	2-Amino-4,6-dinitrotoluene	0.050	U	0.25	0.050	0.013
88-72-2	2-Nitrotoluene	0.050	U	0.25	0.050	0.013
19406-51-0	4-Amino-2,6-dinitrotoluene	0.050	U	0.25	0.050	0.010
99-08-1	3-Nitrotoluene	0.050	U	0.25	0.050	0.016
2691-41-0	HMX	0.050	U	0.25	0.050	0.012
99-99-0	4-Nitrotoluene	0.050	U	0.25	0.050	0.018
98-95-3	Nitrobenzene	0.050	U	0.25	0.050	0.018
121-82-4	RDX	0.050	U	0.25	0.050	0.012
55-63-0	Nitroglycerin	0.25	U	0.50	0.25	0.015
479-45-8	Tetryl	0.050	U	0.25	0.050	0.010
99-35-4	1,3,5-Trinitrobenzene	0.050	U	0.25	0.050	0.010
78-11-5	PETN	0.25	U	0.50	0.25	0.025
118-96-7	2,4,6-Trinitrotoluene	0.050	U	0.25	0.050	0.019

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	99		78-118

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20121211-1782.b\H000003.D
Lims ID: MB 320-6559/1-A Client ID:
Inject. Date: 11-Dec-2012 16:47:36 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 320-0001782-003
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 51
Lims Batch ID: 7240 Lims Sample ID: 3
Method: \\SACChrom\ChromData\LC10\20121211-1782.b\8330_LC10.m
Last Update: 12-Dec-2012 07:56:29 Calib Date: 01-Sep-2012 16:31:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK018

First Level Reviewer: noonanr

Date: 12-Dec-2012 07:56:29

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

\$ 30 3,4-Dinitrotoluene

1	16.667	16.636	0.031	3488	61.9
2	16.627	16.639	-0.012	6507	63.0

Report Date: 12-Dec-2012 07:56:29

Chrom Revision: 2.1 06-Dec-2012 12:37:36

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121211-1782.b\H000003.D

Injection Date: 11-Dec-2012 16:47:36

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 7240

Lims Sample ID: 3

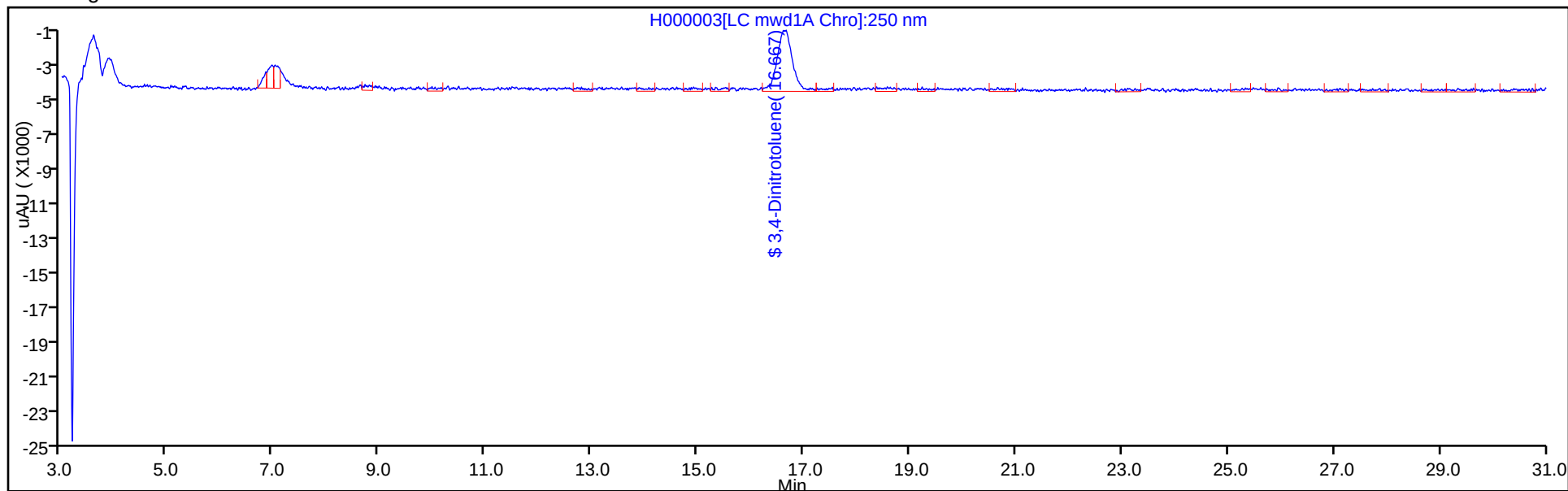
Operator ID: RN

Injection Vol: 500.0 ul

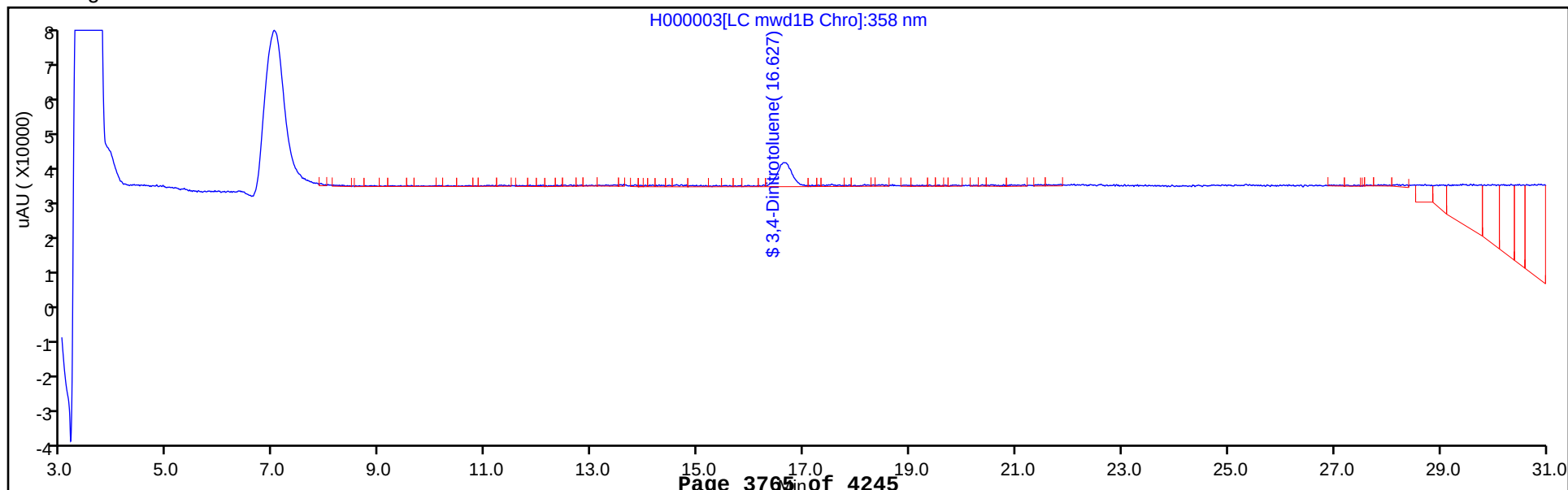
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 320-6172/2-A
 Matrix: Water Lab File ID: C000041.D
 Analysis Method: 8330B Date Collected: _____
 Extraction Method: 8330-Prep Date Extracted: 11/20/2012 12:14
 Sample wt/vol: 1000 (mL) Date Analyzed: 12/04/2012 14:20
 Con. Extract Vol.: 20 (mL) Dilution Factor: 1
 Injection Volume: 500 (uL) GC Column: Synergi C18 ID: 4.6 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 6772 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
99-65-0	1,3-Dinitrobenzene	1.08		0.10	0.10	0.050
121-14-2	2,4-Dinitrotoluene	1.03		0.10	0.10	0.050
606-20-2	2,6-Dinitrotoluene	1.04		0.10	0.10	0.050
35572-78-2	2-Amino-4,6-dinitrotoluene	1.04		0.20	0.10	0.015
88-72-2	2-Nitrotoluene	0.944		0.50	0.10	0.088
19406-51-0	4-Amino-2,6-dinitrotoluene	1.07		0.10	0.10	0.050
99-08-1	3-Nitrotoluene	0.972		0.50	0.10	0.057
2691-41-0	HMX	1.06		0.10	0.050	0.036
99-99-0	4-Nitrotoluene	0.991		0.50	0.10	0.088
98-95-3	Nitrobenzene	1.06		0.10	0.10	0.050
121-82-4	RDX	1.11		0.10	0.050	0.036
55-63-0	Nitroglycerin	4.93		0.65	0.50	0.33
479-45-8	Tetryl	0.856		0.10	0.10	0.050
99-35-4	1,3,5-Trinitrobenzene	1.07		0.10	0.050	0.031
78-11-5	PETN	4.57	M	0.65	0.50	0.30
118-96-7	2,4,6-Trinitrotoluene	0.874		0.10	0.10	0.050

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	98		79-111

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20121203-1645.b\C000041.D
 Lims ID: LCS 320-6172/2-A Client ID:
 Inject. Date: 04-Dec-2012 14:20:41 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: 320-0001645-039
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 43
 Lims Batch ID: 6772 Lims Sample ID: 39
 Method: \\SACChrom\ChromData\LC10\20121203-1645.b\8330_LC10.m
 Last Update: 04-Dec-2012 15:22:31 Calib Date: 01-Sep-2012 16:31:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK017

First Level Reviewer: noonanr

Date:

04-Dec-2012 15:22:31

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

11 HMX
 1 5.228 5.228 0.0 6655 52.9
 19 RDX
 1 7.538 7.484 0.054 4947 55.6
 27 1,3,5-Trinitrobenzene
 1 9.888 9.871 0.017 8666 53.3
 24 1,3-Dinitrobenzene
 1 12.514 12.501 0.013 8751 54.1
 9 3,5-Dinitroaniline
 1 13.264 13.278 -0.014 5598 53.9
 20 Tetryl
 1 13.678 13.671 0.007 3706 42.8
 5 Nitrobenzene
 1 14.281 14.258 0.023 3903 52.9
 7 Nitroglycerin
 2 14.904 14.894 0.010 15999 246.6
 25 2,4,6-Trinitrotoluene
 1 15.798 15.764 0.034 4056 43.7
 26 4-Amino-2,6-dinitrotoluene
 1 16.341 16.278 0.063 4056 53.6
 \$ 30 3,4-Dinitrotoluene
 1 16.764 16.788 -0.024 6911 122.7
 2 16.778 16.794 -0.016 12922 125.1
 6 2-Amino-4,6-dinitrotoluene
 1 17.281 17.291 -0.010 4360 52.2
 12 2,6-Dinitrotoluene
 1 18.908 18.818 0.090 3086 51.8
 23 2,4-Dinitrotoluene
 1 19.538 19.541 -0.003 4957 51.7

Data File: \\SACChrom\ChromData\LC10\20121203-1645.b\C000041.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
16 o-Nitrotoluene						
1	22.868	22.908	-0.040	2103	47.2	
15 p-Nitrotoluene						
1	24.538	24.604	-0.066	2647	49.5	
8 m-Nitrotoluene						
1	26.448	26.478	-0.030	2621	48.6	
21 PETN						
2	28.738	28.734	0.004	8393	228.5	M

QC Flag Legend

Review Flags

M - Manually Integrated

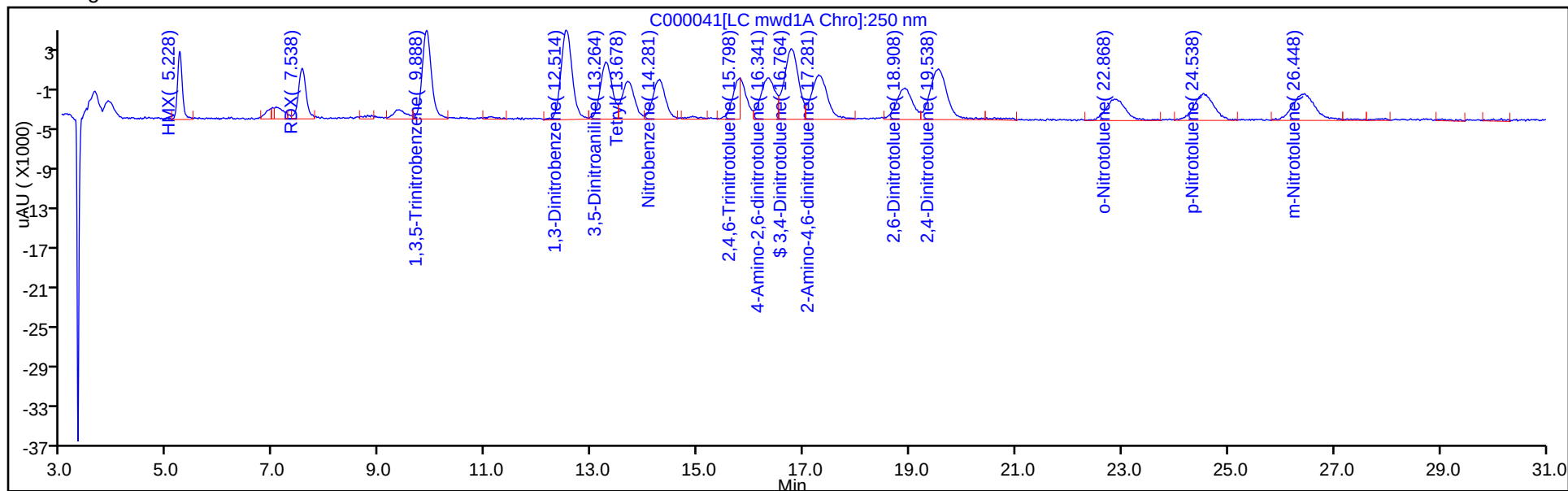
Report Date: 04-Dec-2012 15:22:31

Chrom Revision: 2.1 03-Dec-2012 11:37:40

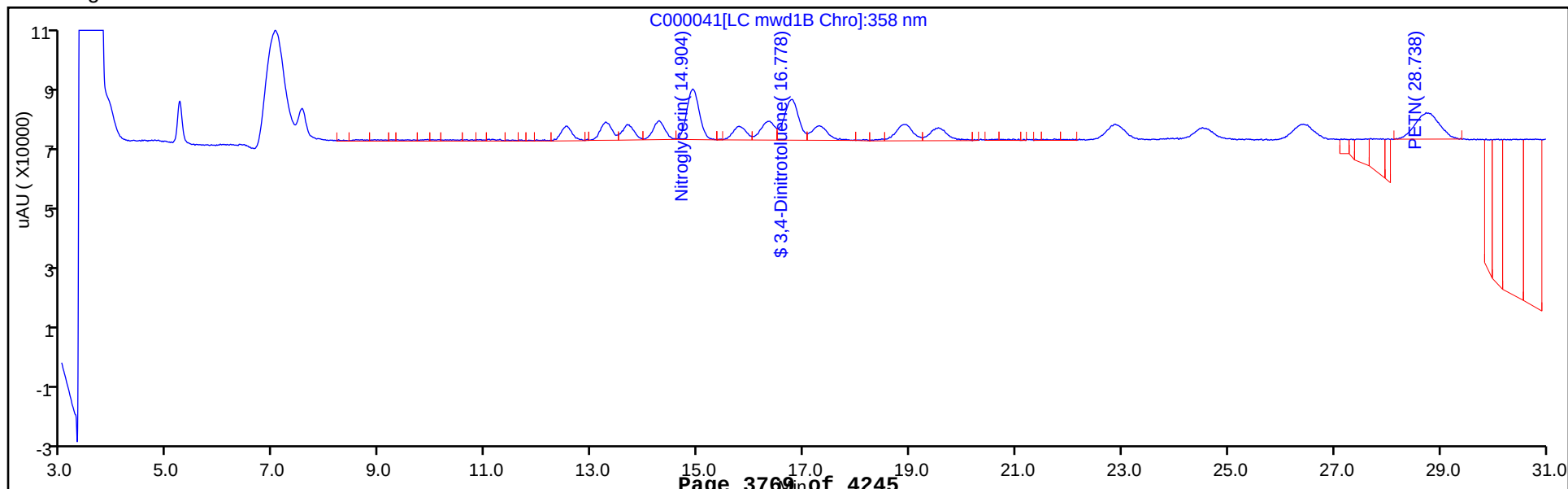
TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121203-1645.b\C000041.D
Injection Date: 04-Dec-2012 14:20:41 Limit Group: LC 8330B ICAL
Client ID: Instrument ID: LC10
Lims Batch ID: 6772 Lims Sample ID: 39
Operator ID: RN Injection Vol: 500.0 ul
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



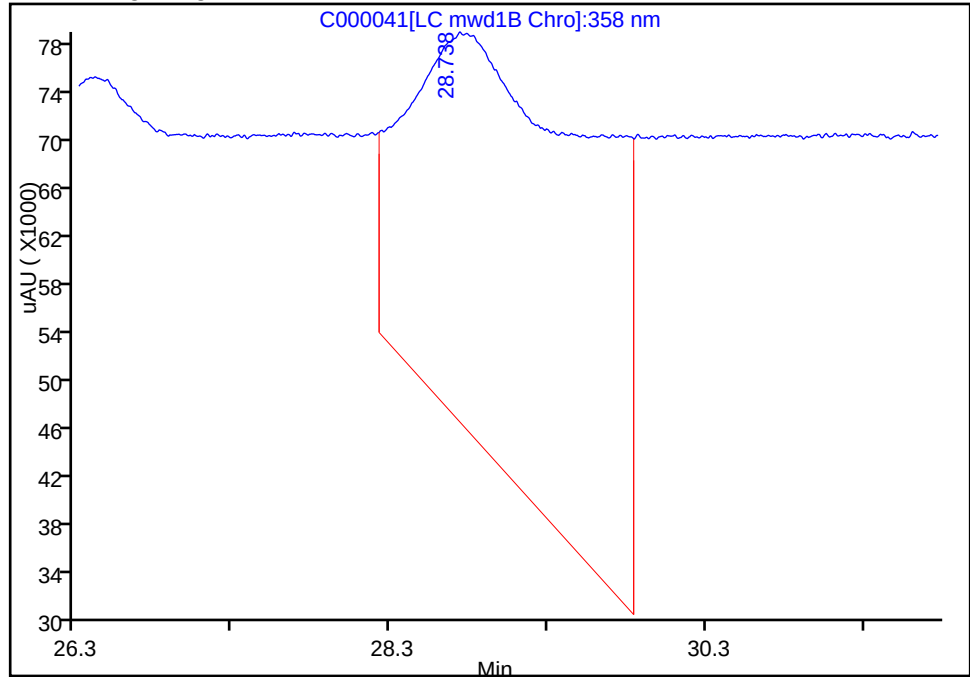
TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121203-1645.b\C000041.D
Injection Date: 04-Dec-2012 14:20:41 Limit Group: LC 8330B ICAL
Client ID: Instrument ID: LC10
Lims Batch ID: 6772 Lims Sample ID: 39
Operator ID: RN Injection Vol: 500.0 ul
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm

21 PETN, Signal: 1, Type: quant, RT: 28.73, Det: LC mwd1B

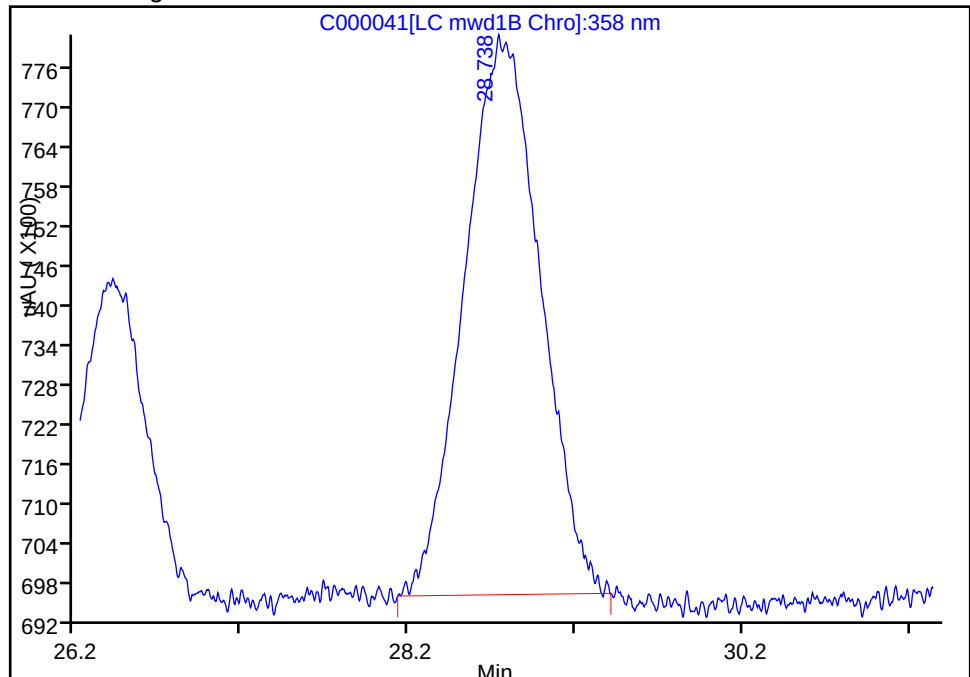
RT: 28.74
Response: 31775
Amount: 865.2223

Processing Integration Results



RT: 28.74
Response: 8393
Amount: 228.5385

Manual Integration Results



Reviewer: noonanr, 04-Dec-2012 15:22:31
Audit Action: Manually Integrated
Audit Reason: Baseline

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 320-6559/2-A

Matrix: Solid Lab File ID: H000004.D

Analysis Method: 8330B Date Collected: _____

Extraction Method: 8330B Date Extracted: 11/29/2012 08:10

Sample wt/vol: 10.00(g) Date Analyzed: 12/11/2012 17:27

Con. Extract Vol.: 80(mL) Dilution Factor: 1

Injection Volume: 500(uL) GC Column: Synergi C18 ID: 4.6(mm)

% Moisture: _____ GPC Cleanup: (Y/N) N

Analysis Batch No.: 7240 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
99-65-0	1,3-Dinitrobenzene	0.517		0.25	0.050	0.0042
121-14-2	2,4-Dinitrotoluene	0.508		0.25	0.050	0.0053
606-20-2	2,6-Dinitrotoluene	0.499		0.25	0.050	0.0073
35572-78-2	2-Amino-4,6-dinitrotoluene	0.510		0.25	0.050	0.013
88-72-2	2-Nitrotoluene	0.483		0.25	0.050	0.013
19406-51-0	4-Amino-2,6-dinitrotoluene	0.530		0.25	0.050	0.010
99-08-1	3-Nitrotoluene	0.490		0.25	0.050	0.016
2691-41-0	HMX	0.518		0.25	0.050	0.012
99-99-0	4-Nitrotoluene	0.484		0.25	0.050	0.018
98-95-3	Nitrobenzene	0.510		0.25	0.050	0.018
121-82-4	RDX	0.516		0.25	0.050	0.012
55-63-0	Nitroglycerin	0.981		0.50	0.25	0.015
479-45-8	Tetryl	0.461		0.25	0.050	0.010
99-35-4	1,3,5-Trinitrobenzene	0.514		0.25	0.050	0.010
78-11-5	PETN	0.998		0.50	0.25	0.025
118-96-7	2,4,6-Trinitrotoluene	0.413		0.25	0.050	0.019

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	98		78-118

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20121211-1782.b\H000004.D
 Lims ID: LCS 320-6559/2-A Client ID:
 Inject. Date: 11-Dec-2012 17:27:41 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: 320-0001782-004
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 52
 Lims Batch ID: 7240 Lims Sample ID: 4
 Method: \\SACChrom\ChromData\LC10\20121211-1782.b\8330_LC10.m
 Last Update: 12-Dec-2012 07:58:23 Calib Date: 01-Sep-2012 16:31:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK018

First Level Reviewer: noonanr

Date: 12-Dec-2012 07:58:23

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

11 HMX
 1 5.200 5.196 0.004 8142 64.7
 19 RDX
 1 7.480 7.476 0.004 5745 64.6
 27 1,3,5-Trinitrobenzene
 1 9.820 9.812 0.008 10444 64.2
 24 1,3-Dinitrobenzene
 1 12.433 12.426 0.007 10443 64.6
 9 3,5-Dinitroaniline
 1 13.193 13.162 0.031 6710 64.6
 20 Tetryl
 1 13.576 13.566 0.010 4985 57.6
 5 Nitrobenzene
 1 14.186 14.169 0.017 4699 63.7
 7 Nitroglycerin
 2 14.790 14.789 0.001 7958 122.6
 25 2,4,6-Trinitrotoluene
 1 15.660 15.666 -0.006 4787 51.6
 26 4-Amino-2,6-dinitrotoluene
 1 16.216 16.199 0.017 5015 66.2
 \$ 30 3,4-Dinitrotoluene
 1 16.616 16.636 -0.020 3438 61.0
 2 16.653 16.639 0.014 6582 63.7
 6 2-Amino-4,6-dinitrotoluene
 1 17.180 17.169 0.011 5326 63.7
 12 2,6-Dinitrotoluene
 1 18.773 18.759 0.014 3719 62.4
 23 2,4-Dinitrotoluene
 1 19.406 19.396 0.010 6092 63.5

Data File: \\SACChrom\ChromData\LC10\20121211-1782.b\H000004.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
16 o-Nitrotoluene						
1	22.753	22.706	0.047	2688	60.3	
15 p-Nitrotoluene						
1	24.386	24.376	0.010	3231	60.5	
8 m-Nitrotoluene						
1	26.256	26.239	0.017	3304	61.3	
21 PETN						
2	28.480	28.442	0.038	4582	124.8	

Report Date: 12-Dec-2012 07:58:23

Chrom Revision: 2.1 06-Dec-2012 12:37:36

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121211-1782.b\H000004.D

Injection Date: 11-Dec-2012 17:27:41

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 7240

Lims Sample ID: 4

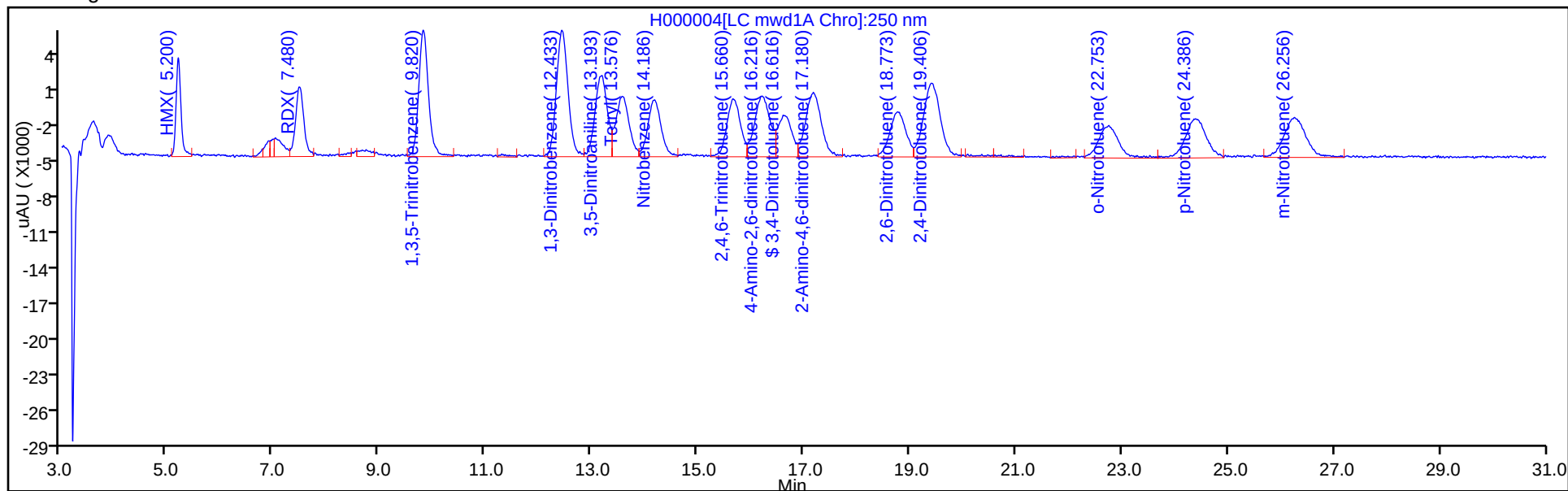
Operator ID: RN

Injection Vol: 500.0 ul

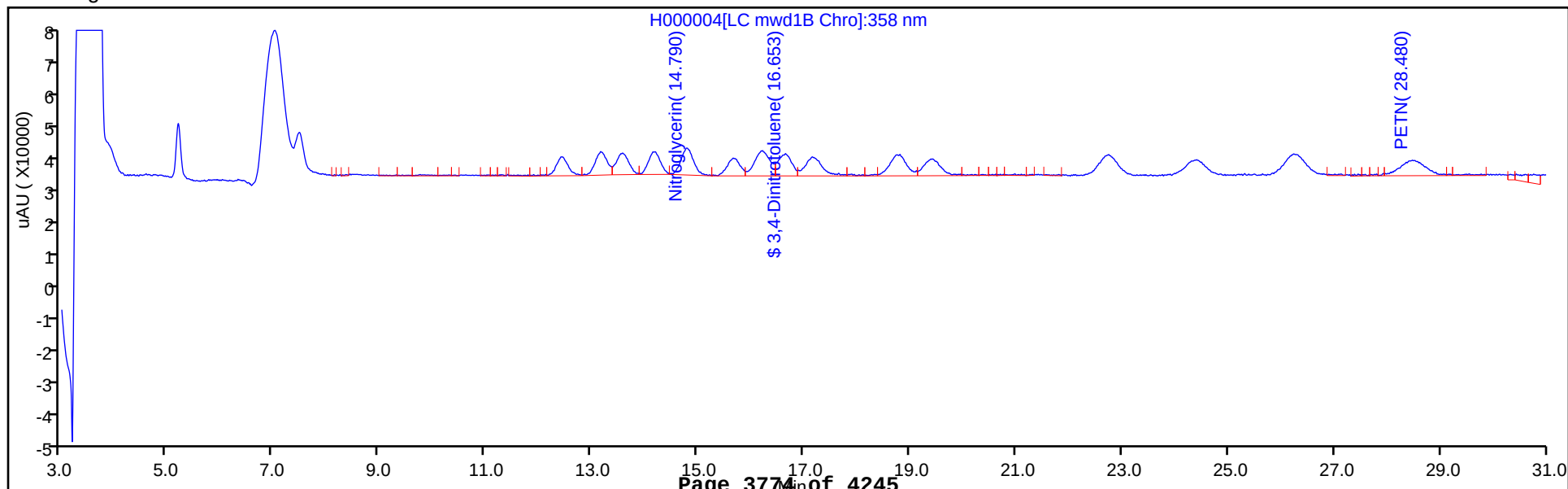
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1

SDG No.: _____

Client Sample ID: 076SS-0022M-0001-SO MS Lab Sample ID: 240-17796-2 MS

Matrix: Solid Lab File ID: H000006.D

Analysis Method: 8330B Date Collected: 11/15/2012 12:25

Extraction Method: 8330B Date Extracted: 11/29/2012 08:10

Sample wt/vol: 10.05(g) Date Analyzed: 12/11/2012 18:48

Con. Extract Vol.: 80 (mL) Dilution Factor: 1

Injection Volume: 500 (uL) GC Column: Synergi C18 ID: 4.6 (mm)

% Moisture: _____ GPC Cleanup: (Y/N) N

Analysis Batch No.: 7240 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
99-65-0	1,3-Dinitrobenzene	0.518		0.25	0.050	0.0042
121-14-2	2,4-Dinitrotoluene	0.506		0.25	0.050	0.0053
606-20-2	2,6-Dinitrotoluene	0.513		0.25	0.050	0.0073
35572-78-2	2-Amino-4,6-dinitrotoluene	0.518		0.25	0.050	0.012
88-72-2	2-Nitrotoluene	0.469		0.25	0.050	0.013
19406-51-0	4-Amino-2,6-dinitrotoluene	0.527		0.25	0.050	0.010
99-08-1	3-Nitrotoluene	0.485		0.25	0.050	0.015
2691-41-0	HMX	0.497		0.25	0.050	0.012
99-99-0	4-Nitrotoluene	0.481		0.25	0.050	0.018
98-95-3	Nitrobenzene	0.508		0.25	0.050	0.018
121-82-4	RDX	0.464		0.25	0.050	0.012
55-63-0	Nitroglycerin	0.954		0.50	0.25	0.015
479-45-8	Tetryl	0.438		0.25	0.050	0.010
99-35-4	1,3,5-Trinitrobenzene	0.517		0.25	0.050	0.010
78-11-5	PETN	0.997		0.50	0.25	0.025
118-96-7	2,4,6-Trinitrotoluene	0.421		0.25	0.050	0.019

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	98		78-118

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20121211-1782.b\H000006.D
 Lims ID: 240-17796-C-2-B MS Client ID:
 Inject. Date: 11-Dec-2012 18:48:03 Dil. Factor: 1.0000
 Sample Type: MS
 Sample ID: 320-0001782-006
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 54
 Lims Batch ID: 7240 Lims Sample ID: 6
 Method: \\SACChrom\ChromData\LC10\20121211-1782.b\8330_LC10.m
 Last Update: 12-Dec-2012 08:00:22 Calib Date: 01-Sep-2012 16:31:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK018

First Level Reviewer: noonanr

Date: 12-Dec-2012 08:00:22

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

11 HMX						
1	5.204	5.196	0.008	7849	62.4	
19 RDX						
1	7.494	7.476	0.018	5191	58.3	
27 1,3,5-Trinitrobenzene						
1	9.824	9.812	0.012	10569	65.0	
24 1,3-Dinitrobenzene						
1	12.441	12.426	0.015	10523	65.1	
9 3,5-Dinitroaniline						
1	13.191	13.162	0.029	6597	63.5	
20 Tetryl						
1	13.578	13.566	0.012	4763	55.0	
5 Nitrobenzene						
1	14.168	14.169	-0.001	4709	63.9	
7 Nitroglycerin						
2	14.798	14.789	0.009	7775	119.8	
25 2,4,6-Trinitrotoluene						
1	15.691	15.666	0.025	4912	52.9	
26 4-Amino-2,6-dinitrotoluene						
1	16.224	16.199	0.025	5010	66.2	
\$ 30 3,4-Dinitrotoluene						
1	16.631	16.636	-0.005	3436	61.0	
2	16.664	16.639	0.025	6396	61.9	
6 2-Amino-4,6-dinitrotoluene						
1	17.198	17.169	0.029	5438	65.1	
12 2,6-Dinitrotoluene						
1	18.794	18.759	0.035	3841	64.5	
23 2,4-Dinitrotoluene						
1	19.421	19.396	0.025	6103	63.6	

Data File: \\SACChrom\ChromData\LC10\20121211-1782.b\H000006.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

16 o-Nitrotoluene

1 22.778 22.706 0.072 2624 58.9

15 p-Nitrotoluene

1 24.421 24.376 0.045 3226 60.4

8 m-Nitrotoluene

1 26.271 26.239 0.032 3284 60.9

21 PETN

2 28.521 28.442 0.079 4601 125.3

Report Date: 12-Dec-2012 08:00:22

Chrom Revision: 2.1 06-Dec-2012 12:37:36

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121211-1782.b\H000006.D

Injection Date: 11-Dec-2012 18:48:03

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 7240

Lims Sample ID: 6

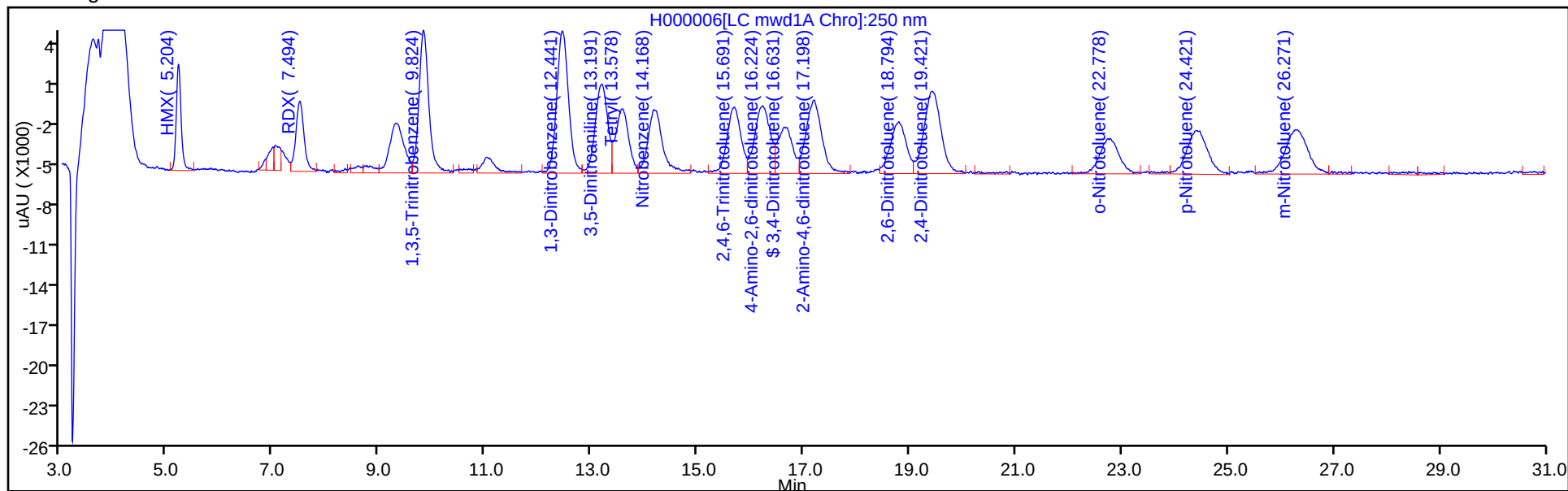
Operator ID: RN

Injection Vol: 500.0 ul

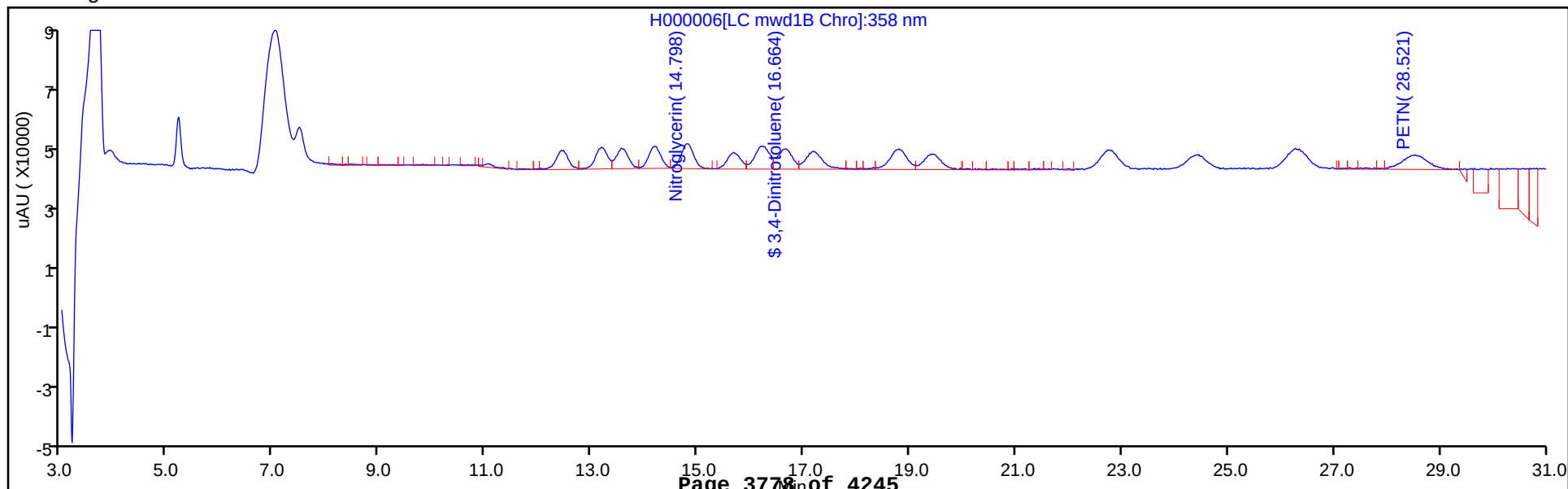
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1

SDG No.: _____

Client Sample ID: 076SW-0013-0001-SW MS Lab Sample ID: 240-17796-17 MS

Matrix: Water Lab File ID: C000043.D

Analysis Method: 8330B Date Collected: 11/15/2012 14:00

Extraction Method: 8330-Prep Date Extracted: 11/20/2012 12:14

Sample wt/vol: 977.4 (mL) Date Analyzed: 12/04/2012 15:41

Con. Extract Vol.: 20 (mL) Dilution Factor: 1

Injection Volume: 500 (uL) GC Column: Synergi C18 ID: 4.6 (mm)

% Moisture: _____ GPC Cleanup: (Y/N) N

Analysis Batch No.: 6772 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
99-35-4	1,3,5-Trinitrobenzene	1.03		0.10	0.051	0.032
99-65-0	1,3-Dinitrobenzene	1.07		0.10	0.10	0.051
118-96-7	2,4,6-Trinitrotoluene	0.848	M	0.10	0.10	0.051
121-14-2	2,4-Dinitrotoluene	0.970		0.10	0.10	0.051
606-20-2	2,6-Dinitrotoluene	0.888		0.10	0.10	0.051
35572-78-2	2-Amino-4,6-dinitrotoluene	1.05	M	0.20	0.10	0.015
88-72-2	2-Nitrotoluene	0.977	M	0.51	0.10	0.090
99-08-1	3-Nitrotoluene	0.983		0.51	0.10	0.058
99-99-0	4-Nitrotoluene	0.962	M	0.51	0.10	0.090
19406-51-0	4-Amino-2,6-dinitrotoluene	1.08	M	0.10	0.10	0.051
2691-41-0	HMX	1.07	M	0.10	0.051	0.037
121-82-4	RDX	1.10	M	0.10	0.051	0.037
98-95-3	Nitrobenzene	1.06	M	0.10	0.10	0.051
479-45-8	Tetryl	0.717	M	0.10	0.10	0.051
55-63-0	Nitroglycerin	4.91		0.67	0.51	0.34
78-11-5	PETN	4.74		0.67	0.51	0.31

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	95	M	79-111

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20121203-1645.b\C000043.D
 Lims ID: 240-17796-N-17-A MS Client ID: 076SW-0013-0002-SW
 Inject. Date: 04-Dec-2012 15:41:05 Dil. Factor: 1.0000
 Sample Type: MS
 Sample ID: 320-0001645-041
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 45
 Lims Batch ID: 6772 Lims Sample ID: 41
 Method: \\SACChrom\ChromData\LC10\20121203-1645.b\8330_LC10.m
 Last Update: 12-Dec-2012 14:33:37 Calib Date: 01-Sep-2012 16:31:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK018

First Level Reviewer: noonanr

Date:

05-Dec-2012 08:14:12

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						M
1	5.224	5.209	0.015	6557	52.1	M
19 RDX						M
1	7.534	7.505	0.029	4765	53.5	M
27 1,3,5-Trinitrobenzene						
1	9.884	9.852	0.032	8160	50.2	
24 1,3-Dinitrobenzene						
1	12.518	12.479	0.039	8482	52.5	
9 3,5-Dinitroaniline						M
1	13.281	13.229	0.052	5539	53.3	M
20 Tetryl						M
1	13.698	13.646	0.052	3033	35.0	M
5 Nitrobenzene						M
1	14.271	14.226	0.045	3827	51.9	M
7 Nitroglycerin						
2	14.918	14.872	0.046	15585	240.2	
25 2,4,6-Trinitrotoluene						M
1	15.784	15.759	0.025	3847	41.5	M
26 4-Amino-2,6-dinitrotoluene						M
1	16.354	16.276	0.078	3982	52.6	M
\$ 30 3,4-Dinitrotoluene						M
1	16.788	16.732	0.056	6718	119.3	M
2	16.778	16.732	0.046	11142	107.8	
6 2-Amino-4,6-dinitrotoluene						M
1	17.301	17.249	0.052	4270	51.1	M
12 2,6-Dinitrotoluene						
1	18.911	18.856	0.055	2585	43.4	
23 2,4-Dinitrotoluene						
1	19.551	19.496	0.055	4550	47.4	

Data File: \\SACChrom\ChromData\LC10\20121203-1645.b\C000043.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
16 o-Nitrotoluene						M
1	22.921	22.879	0.042	2127	47.7	M
15 p-Nitrotoluene						M
1	24.584	24.506	0.078	2512	47.0	M
8 m-Nitrotoluene						
1	26.471	26.419	0.052	2590	48.0	
21 PETN						
2	28.808	28.746	0.062	8505	231.6	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 12-Dec-2012 14:33:37

Chrom Revision: 2.1 06-Dec-2012 12:37:36

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121203-1645.b\C000043.D

Injection Date: 04-Dec-2012 15:41:05 Limit Group: LC 8330B ICAL

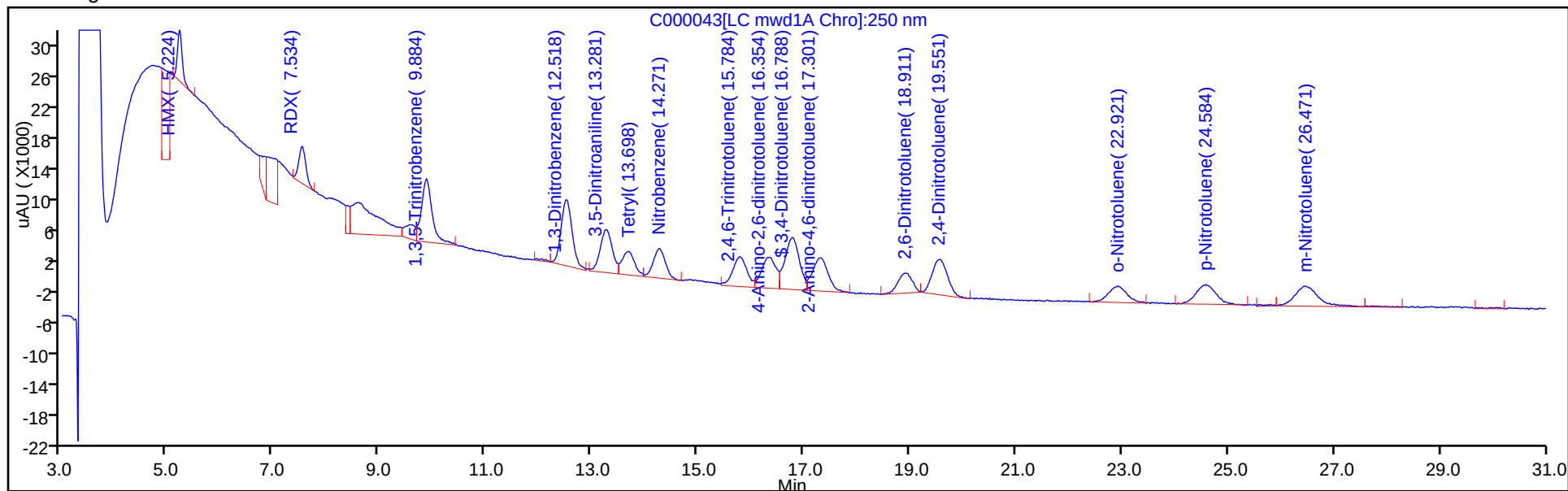
Client ID: 076SW-0013-0002-SW Instrument ID: LC10

Lims Batch ID: 6772 Lims Sample ID: 41

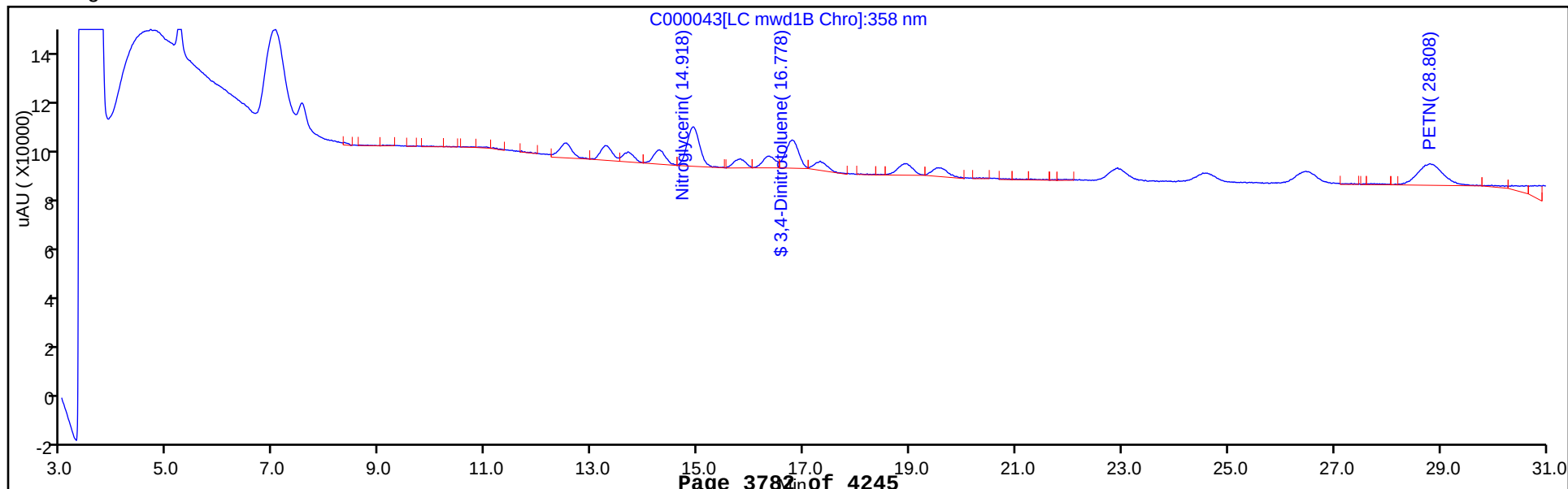
Operator ID: RN Injection Vol: 500.0 ul

Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



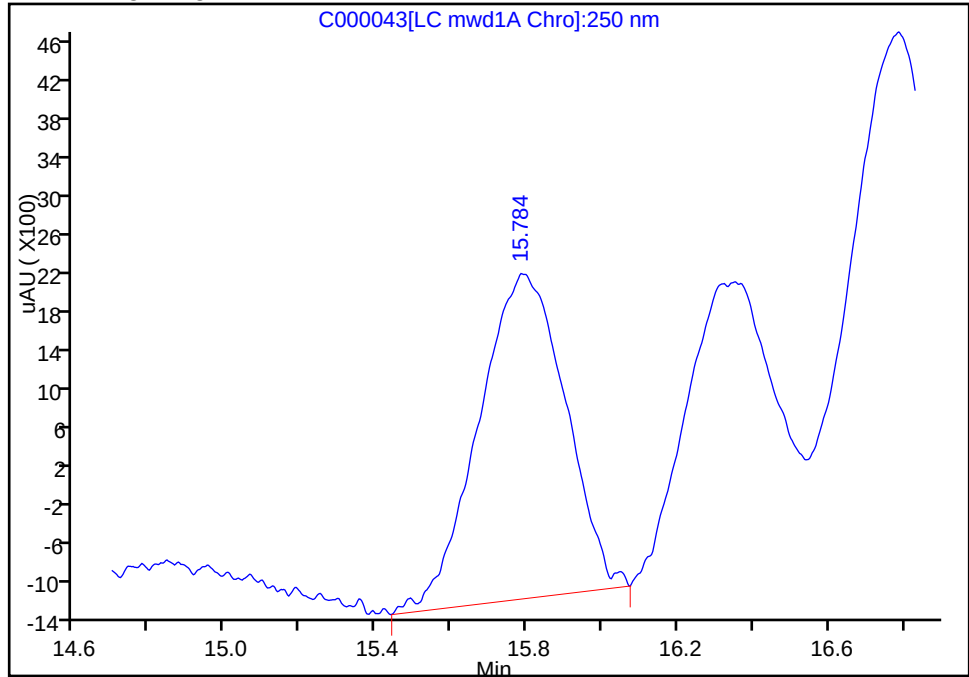
TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121203-1645.b\C000043.D
Injection Date: 04-Dec-2012 15:41:05 Limit Group: LC 8330B ICAL
Client ID: 076SW-0013-0002-SW Instrument ID: LC10
Lims Batch ID: 6772 Lims Sample ID: 41
Operator ID: RN Injection Vol: 500.0 ul
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm

25 2,4,6-Trinitrotoluene, Signal: 1, Type: quant, RT: 15.76, Det: LC mwd1A

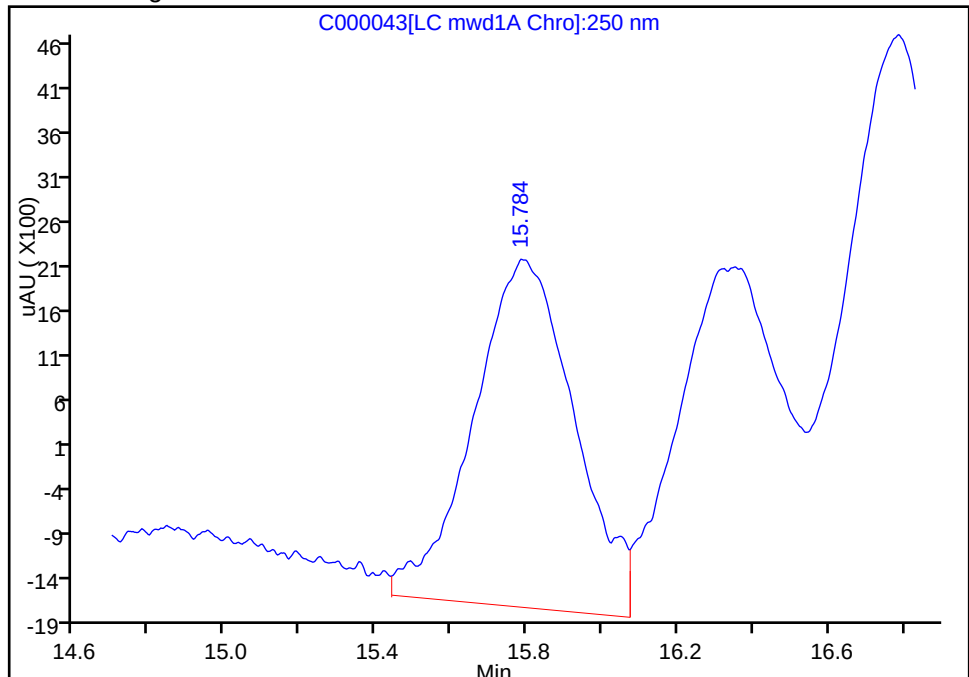
RT: 15.78
Response: 3346
Amount: 36.060357

Processing Integration Results



RT: 15.78
Response: 3847
Amount: 41.459712

Manual Integration Results



Reviewer: noonanr, 12-Dec-2012 14:33:37
Audit Action: Assigned New Baseline
Audit Reason: Baseline

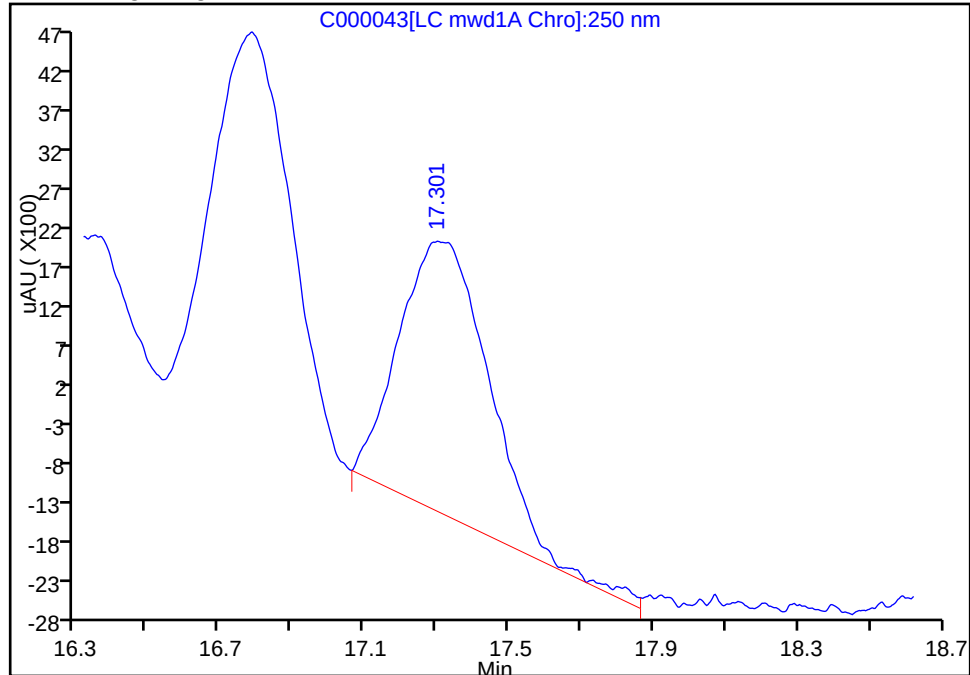
TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121203-1645.b\C000043.D
Injection Date: 04-Dec-2012 15:41:05 Limit Group: LC 8330B ICAL
Client ID: 076SW-0013-0002-SW Instrument ID: LC10
Lims Batch ID: 6772 Lims Sample ID: 41
Operator ID: RN Injection Vol: 500.0 ul
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm

6 2-Amino-4,6-dinitrotoluene, Signal: 1, Type: quant, RT: 17.25, Det: LC mwd1A

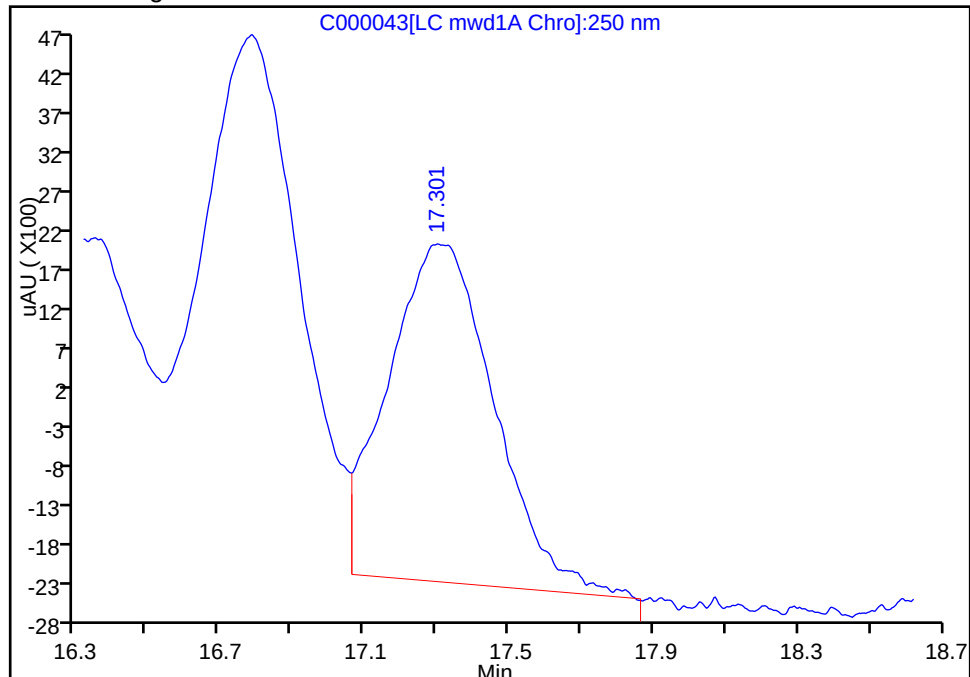
RT: 17.30
Response: 3414
Amount: 40.841595

Processing Integration Results



RT: 17.30
Response: 4270
Amount: 51.081902

Manual Integration Results



Reviewer: noonanr, 12-Dec-2012 14:33:37
Audit Action: Assigned New Baseline
Audit Reason: Baseline

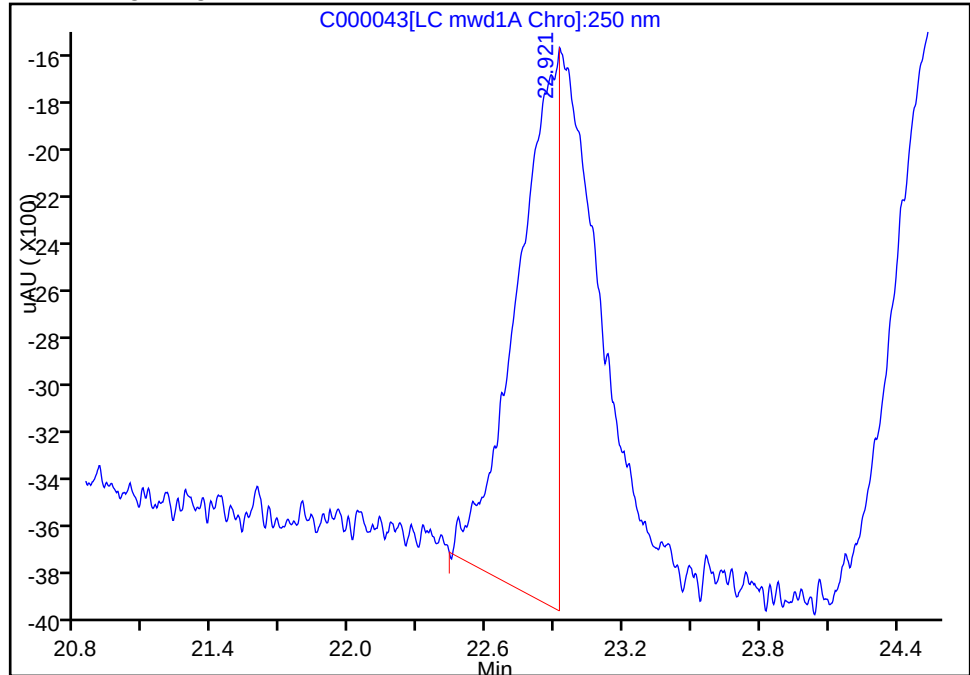
TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121203-1645.b\C000043.D
Injection Date: 04-Dec-2012 15:41:05 Limit Group: LC 8330B ICAL
Client ID: 076SW-0013-0002-SW Instrument ID: LC10
Lims Batch ID: 6772 Lims Sample ID: 41
Operator ID: RN Injection Vol: 500.0 ul
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm

16 o-Nitrotoluene, Signal: 1, Type: quant, RT: 22.88, Det: LC mwd1A

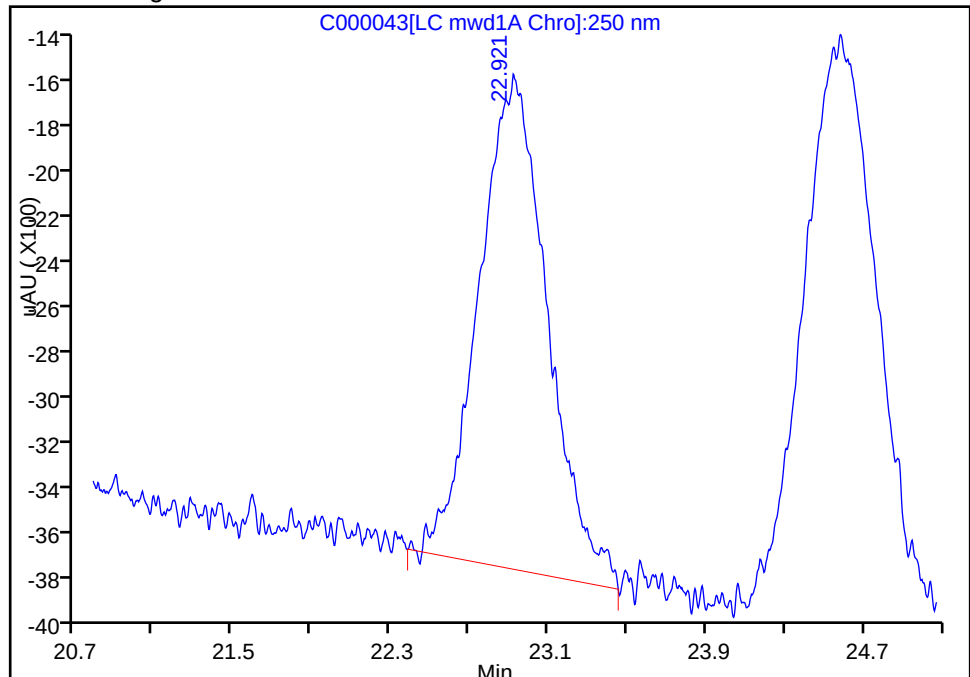
RT: 22.92
Response: 2319
Amount: 52.048031

Processing Integration Results



RT: 22.92
Response: 2127
Amount: 47.738750

Manual Integration Results



Reviewer: noonanr, 12-Dec-2012 14:33:37

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121203-1645.b\C000043.D

Injection Date: 04-Dec-2012 15:41:05 Limit Group: LC 8330B ICAL

Client ID: 076SW-0013-0002-SW Instrument ID: LC10

Lims Batch ID: 6772 Lims Sample ID: 41

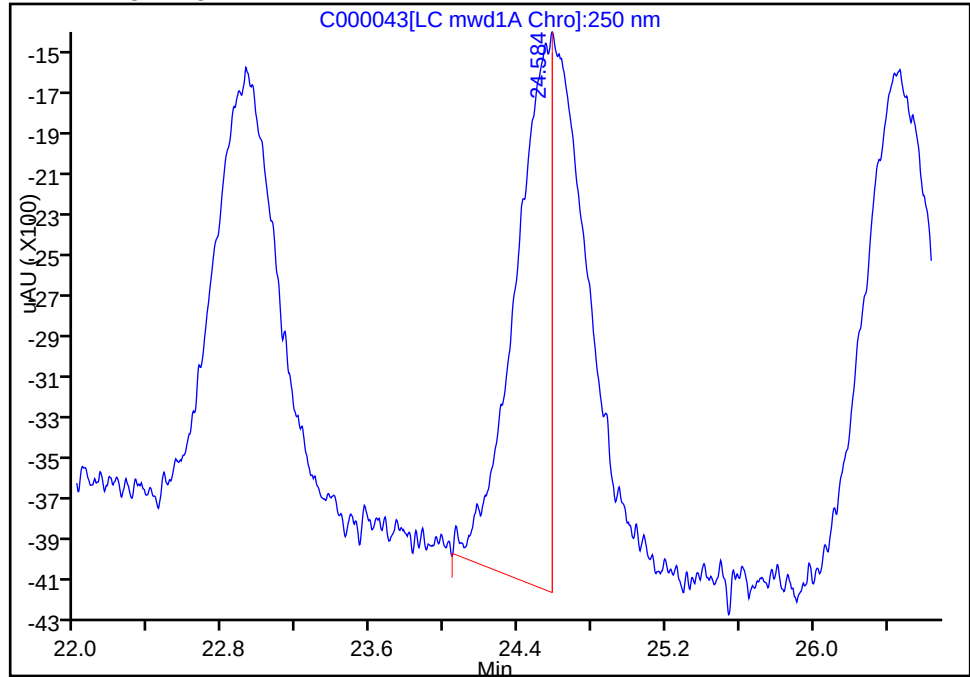
Operator ID: RN Injection Vol: 500.0 ul

Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm

15 p-Nitrotoluene, Signal: 1, Type: quant, RT: 24.51, Det: LC mwd1A

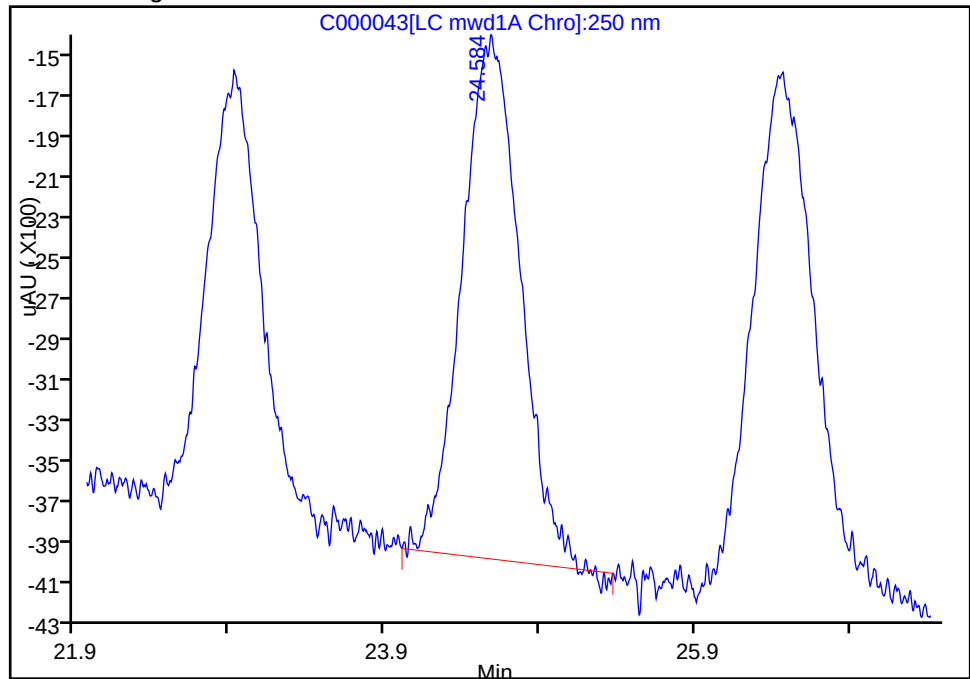
RT: 24.58
Response: 2676
Amount: 50.084925

Processing Integration Results



RT: 24.58
Response: 2512
Amount: 47.015446

Manual Integration Results



Reviewer: noonanr, 12-Dec-2012 14:33:37

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121203-1645.b\C000043.D

Injection Date: 04-Dec-2012 15:41:05

Limit Group: LC 8330B ICAL

Client ID: 076SW-0013-0002-SW

Instrument ID: LC10

Lims Batch ID: 6772

Lims Sample ID: 41

Operator ID: RN

Injection Vol: 500.0 ul

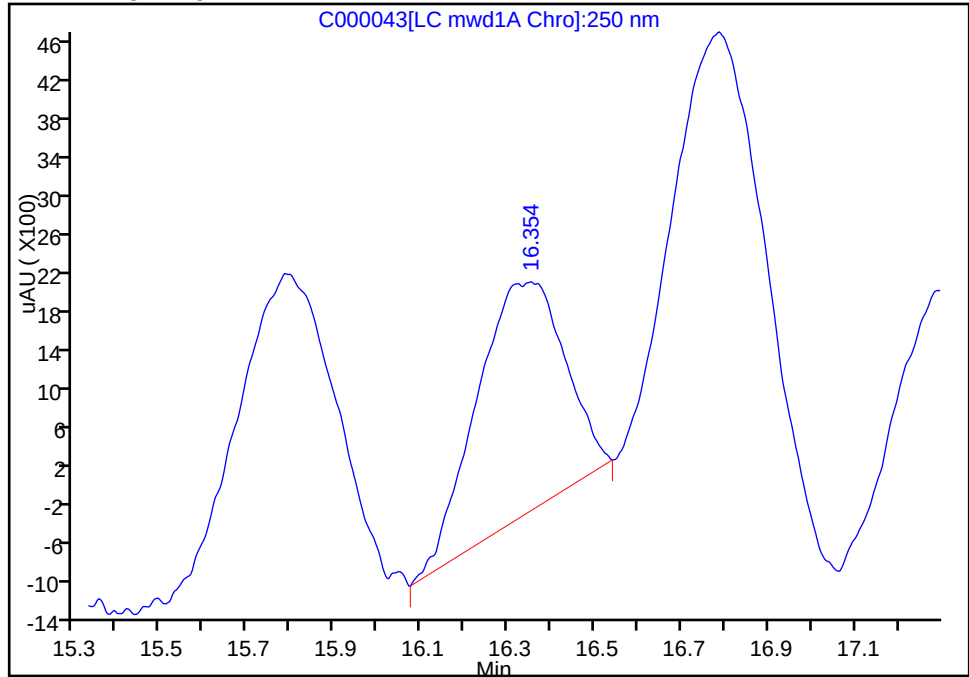
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

26 4-Amino-2,6-dinitrotoluene, Signal: 1, Type: quant, RT: 16.28, Det: LC mwd1A

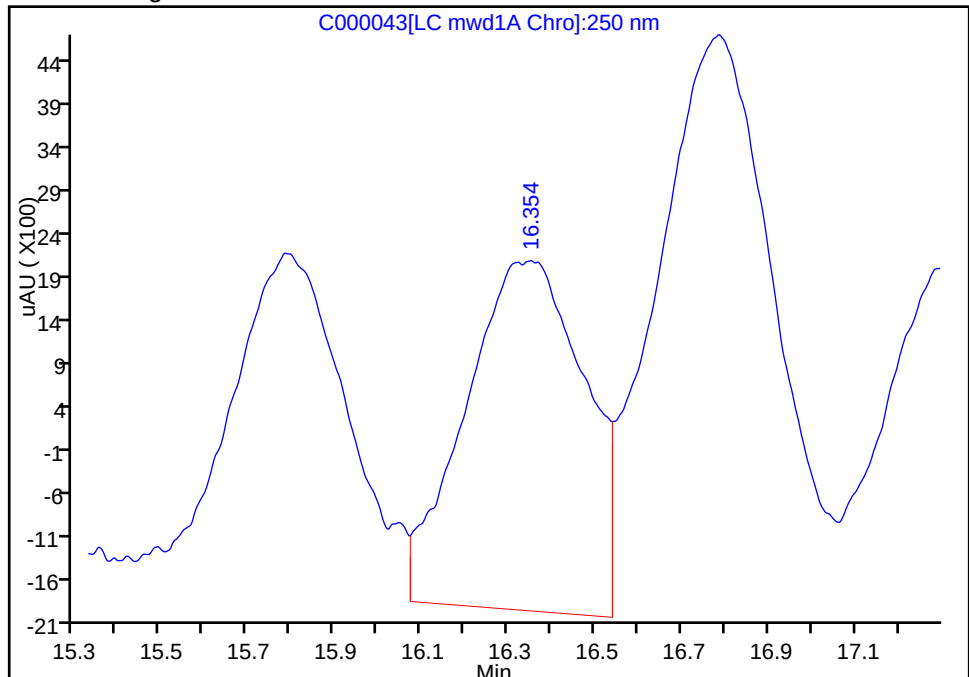
RT: 16.35
Response: 2347
Amount: 30.991374

Processing Integration Results



RT: 16.35
Response: 3982
Amount: 52.581019

Manual Integration Results



Reviewer: noonanr, 12-Dec-2012 14:33:37

Audit Action: Assigned New Baseline

Audit Reason: Baseline

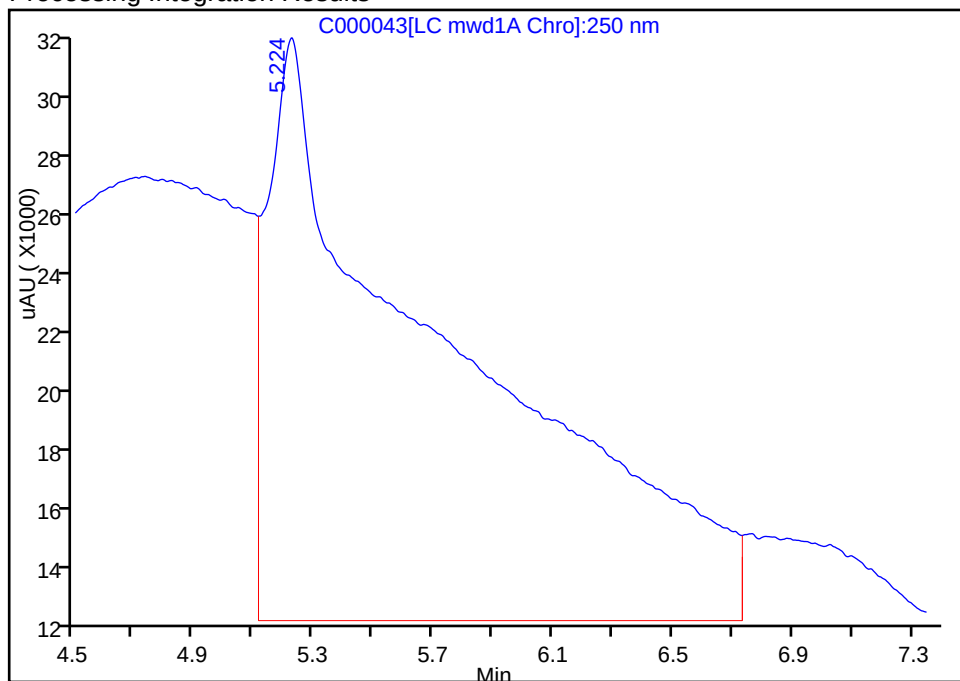
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20121203-1645.b\C000043.D		
Injection Date:	04-Dec-2012 15:41:05	Limit Group:	LC 8330B ICAL
Client ID:	076SW-0013-0002-SW	Instrument ID:	LC10
Lims Batch ID:	6772	Lims Sample ID:	41
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

11 HMX, Signal: 1, Type: quant, RT: 5.21, Det: LC mwd1A

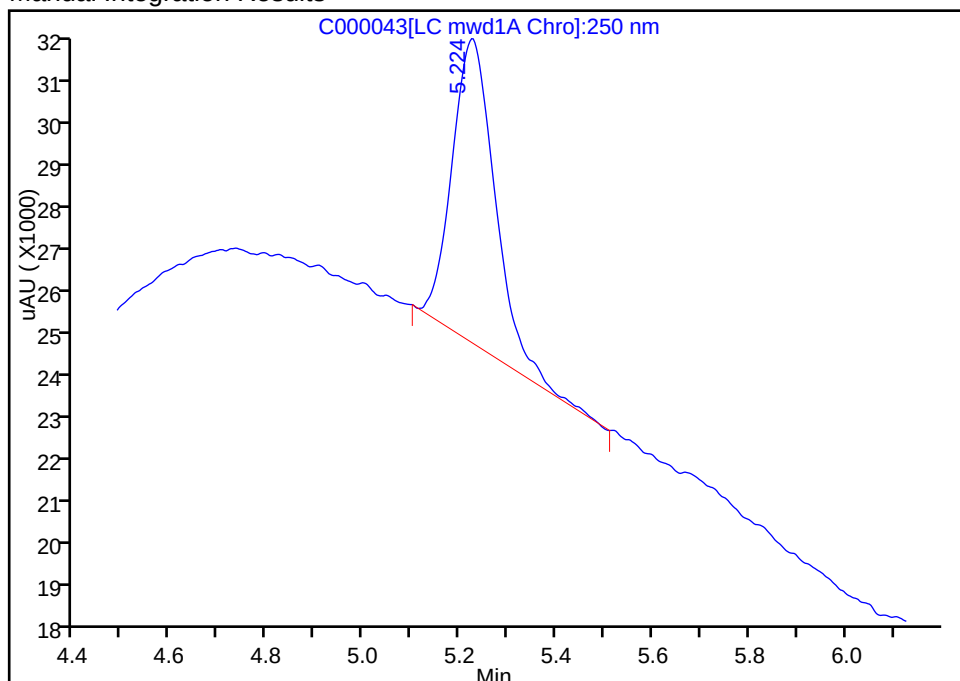
RT: 5.22
Response: 19028
Amount: 151.2487

Processing Integration Results



RT: 5.22
Response: 6557
Amount: 52.119931

Manual Integration Results



Reviewer: noonanr, 12-Dec-2012 14:33:37

Audit Action: Manually Integrated

Audit Reason: Baseline

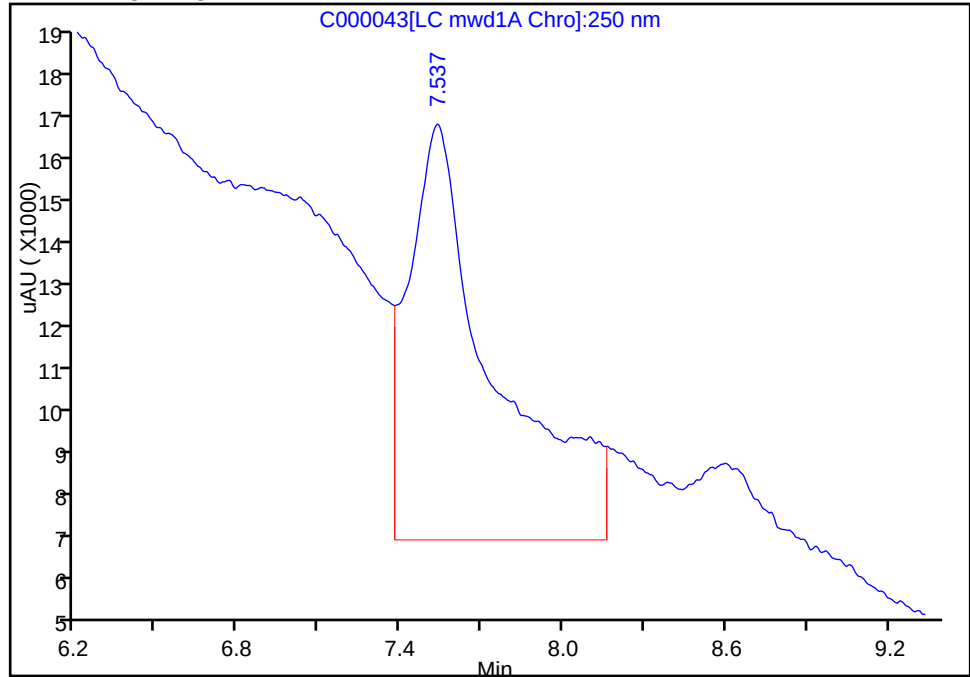
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20121203-1645.b\C000043.D		
Injection Date:	04-Dec-2012 15:41:05	Limit Group:	LC 8330B ICAL
Client ID:	076SW-0013-0002-SW	Instrument ID:	LC10
Lims Batch ID:	6772	Lims Sample ID:	41
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

19 RDX, Signal: 1, Type: quant, RT: 7.51, Det: LC mwd1A

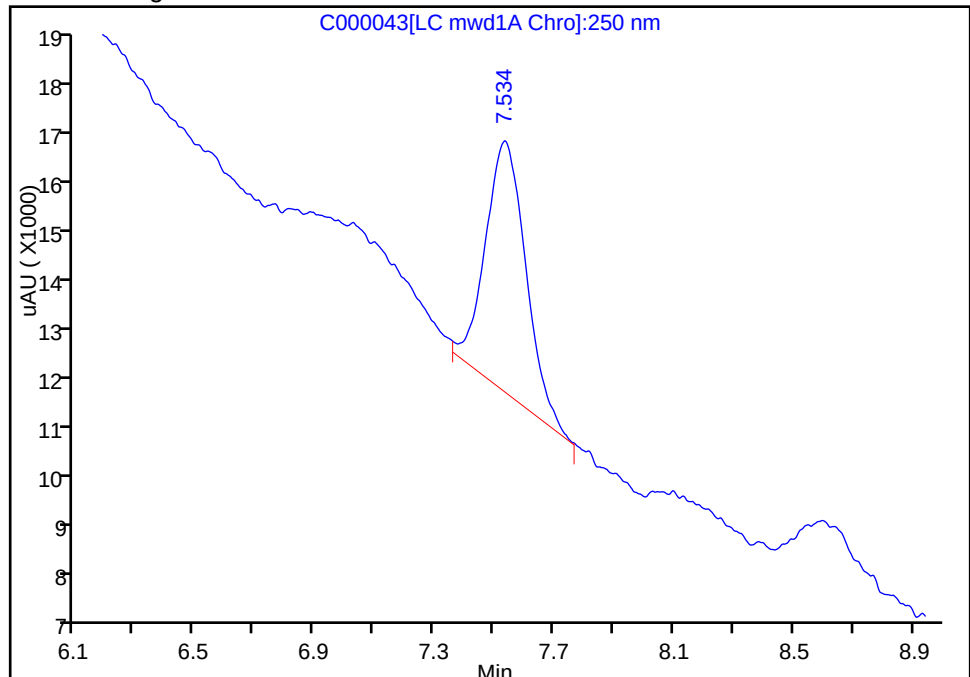
RT: 7.54
Response: 8844
Amount: 99.385862

Processing Integration Results



RT: 7.53
Response: 4765
Amount: 53.547448

Manual Integration Results



Reviewer: noonanr, 12-Dec-2012 14:33:37
Audit Action: Manually Integrated
Audit Reason: Baseline

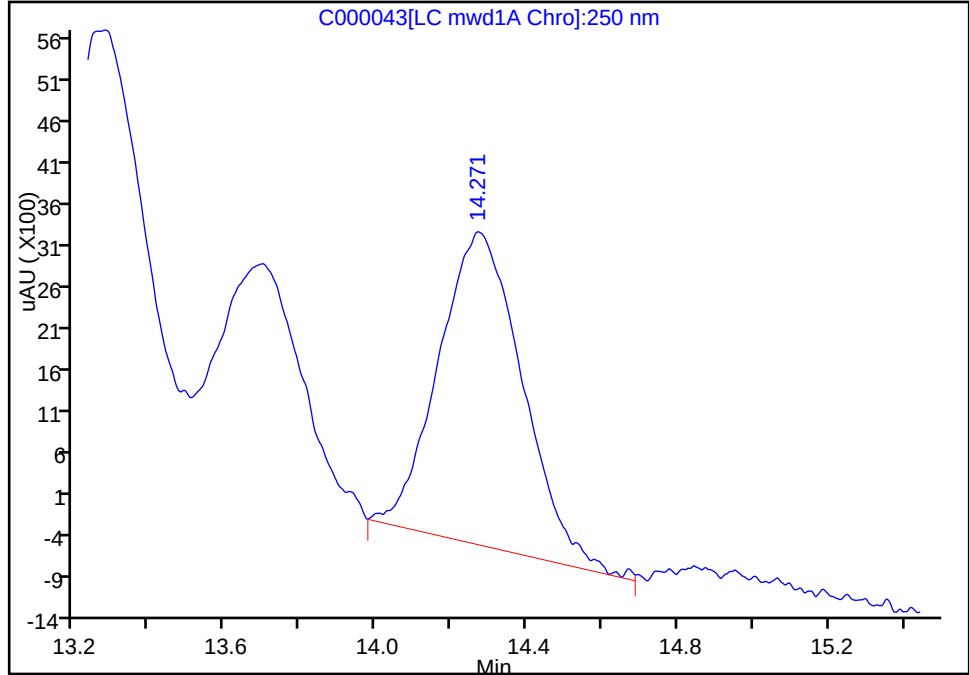
TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121203-1645.b\C000043.D
Injection Date: 04-Dec-2012 15:41:05 Limit Group: LC 8330B ICAL
Client ID: 076SW-0013-0002-SW Instrument ID: LC10
Lims Batch ID: 6772 Lims Sample ID: 41
Operator ID: RN Injection Vol: 500.0 ul
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm

5 Nitrobenzene, Signal: 1, Type: quant, RT: 14.23, Det: LC mwd1A

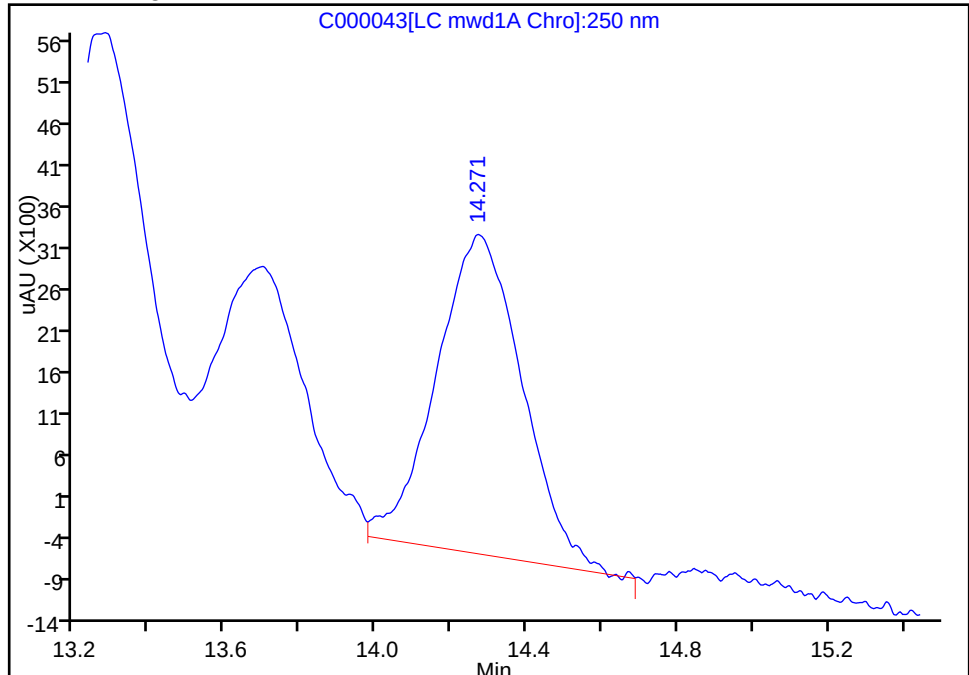
RT: 14.27
Response: 3750
Amount: 50.854612

Processing Integration Results



RT: 14.27
Response: 3827
Amount: 51.898826

Manual Integration Results



Reviewer: noonanr, 12-Dec-2012 14:33:37
Audit Action: Assigned New Baseline
Audit Reason: Baseline

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121203-1645.b\C000043.D

Injection Date: 04-Dec-2012 15:41:05

Limit Group: LC 8330B ICAL

Client ID: 076SW-0013-0002-SW

Instrument ID: LC10

Lims Batch ID: 6772

Lims Sample ID: 41

Operator ID: RN

Injection Vol: 500.0 ul

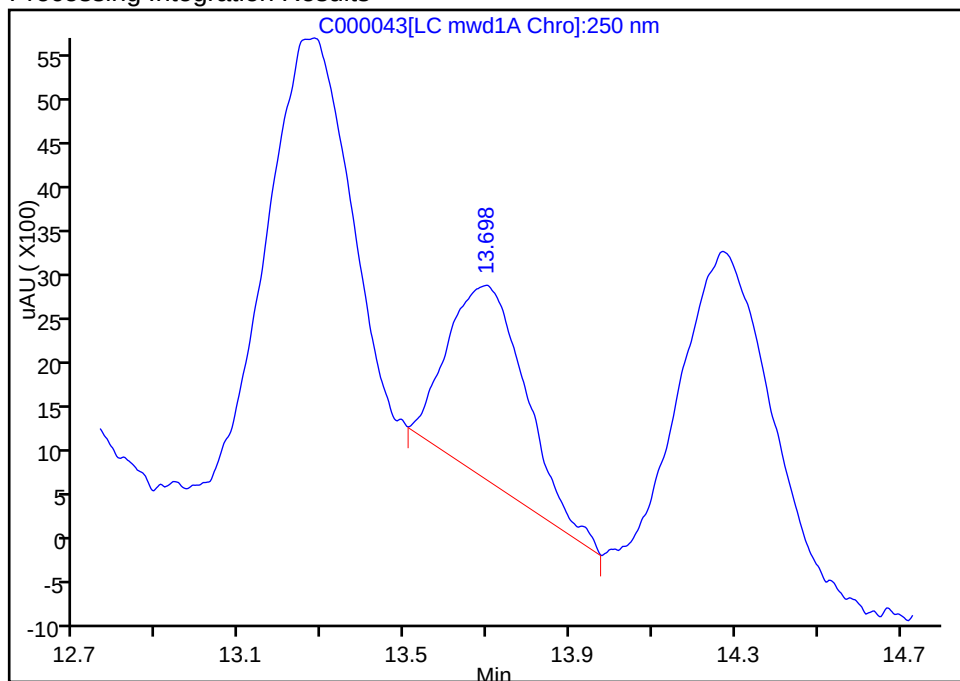
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

20 Tetryl, Signal: 1, Type: quant, RT: 13.65, Det: LC mwd1A

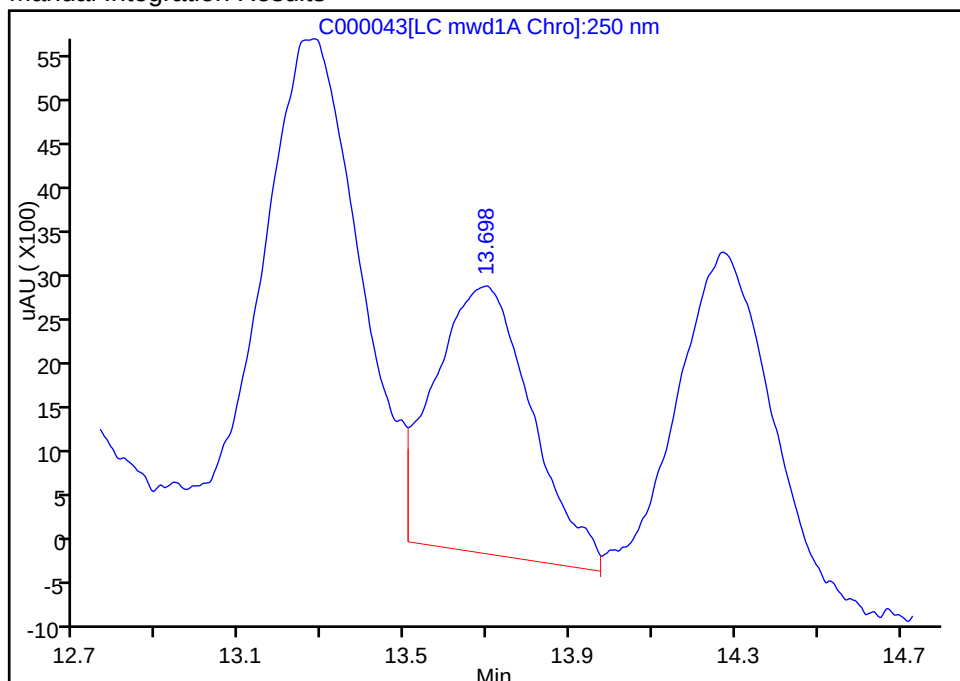
RT: 13.70
Response: 2203
Amount: 25.453238

Processing Integration Results



RT: 13.70
Response: 3033
Amount: 35.042973

Manual Integration Results



Reviewer: noonanr, 12-Dec-2012 14:33:37

Audit Action: Assigned New Baseline

Audit Reason: Baseline

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121203-1645.b\C000043.D

Injection Date: 04-Dec-2012 15:41:05

Limit Group: LC 8330B ICAL

Client ID: 076SW-0013-0002-SW

Instrument ID: LC10

Lims Batch ID: 6772

Lims Sample ID: 41

Operator ID: RN

Injection Vol: 500.0 ul

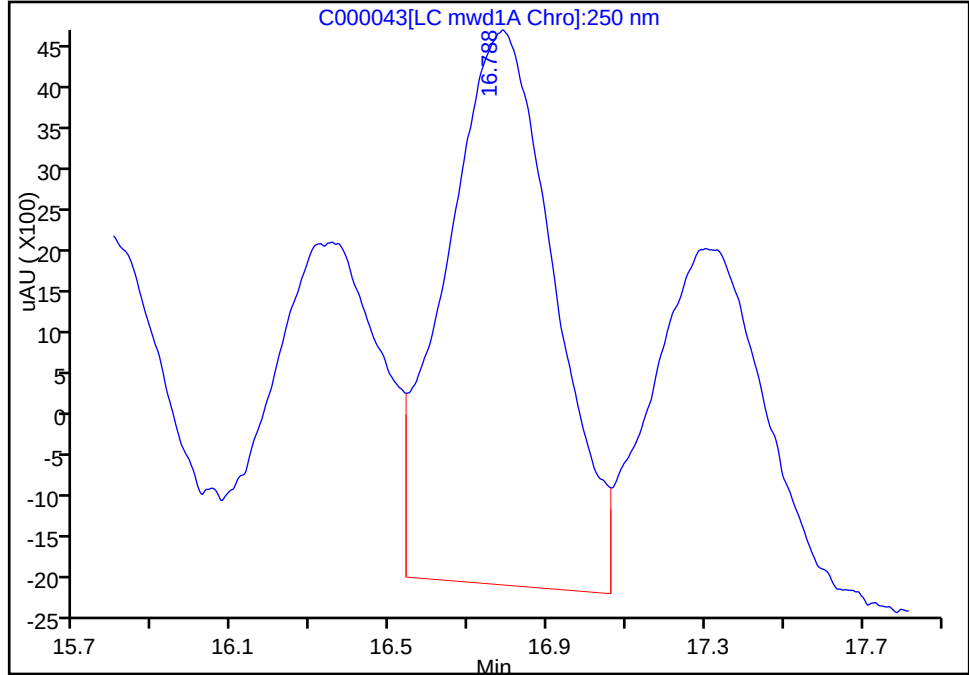
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

\$ 30 3,4-Dinitrotoluene, Signal: 1, Type: quant, RT: 16.73, Det: LC mwd1A

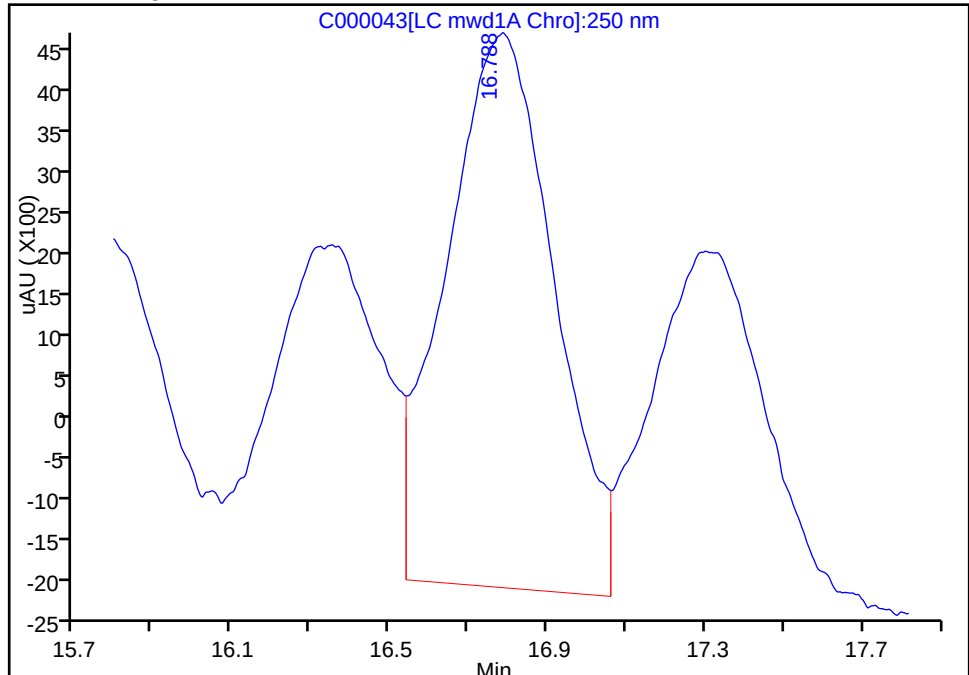
RT: 16.79
Response: 4941
Amount: 87.735238

Processing Integration Results



RT: 16.79
Response: 6718
Amount: 119.2887

Manual Integration Results



Reviewer: noonanr, 12-Dec-2012 14:33:37

Audit Action: Assigned New Baseline

Audit Reason: Baseline

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1
 SDG No.: _____
 Client Sample ID: 076SS-0022M-0001-SO MSD Lab Sample ID: 240-17796-2 MSD
 Matrix: Solid Lab File ID: H000007.D
 Analysis Method: 8330B Date Collected: 11/15/2012 12:25
 Extraction Method: 8330B Date Extracted: 11/29/2012 08:10
 Sample wt/vol: 9.99(g) Date Analyzed: 12/11/2012 19:28
 Con. Extract Vol.: 80 (mL) Dilution Factor: 1
 Injection Volume: 500 (uL) GC Column: Synergi C18 ID: 4.6 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 7240 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
99-65-0	1,3-Dinitrobenzene	0.516		0.25	0.050	0.0042
121-14-2	2,4-Dinitrotoluene	0.495		0.25	0.050	0.0053
606-20-2	2,6-Dinitrotoluene	0.492		0.25	0.050	0.0073
35572-78-2	2-Amino-4,6-dinitrotoluene	0.490		0.25	0.050	0.013
88-72-2	2-Nitrotoluene	0.470		0.25	0.050	0.013
19406-51-0	4-Amino-2,6-dinitrotoluene	0.501		0.25	0.050	0.010
99-08-1	3-Nitrotoluene	0.484		0.25	0.050	0.016
2691-41-0	HMX	0.498		0.25	0.050	0.012
99-99-0	4-Nitrotoluene	0.493		0.25	0.050	0.018
98-95-3	Nitrobenzene	0.490		0.25	0.050	0.018
121-82-4	RDX	0.439		0.25	0.050	0.012
55-63-0	Nitroglycerin	0.992		0.50	0.25	0.015
479-45-8	Tetryl	0.413		0.25	0.050	0.010
99-35-4	1,3,5-Trinitrobenzene	0.503		0.25	0.050	0.010
78-11-5	PETN	0.909	M	0.50	0.25	0.025
118-96-7	2,4,6-Trinitrotoluene	0.406		0.25	0.050	0.019

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	94		78-118

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20121211-1782.b\H000007.D
 Lims ID: 240-17796-C-2-C MSD Client ID:
 Inject. Date: 11-Dec-2012 19:28:11 Dil. Factor: 1.0000
 Sample Type: MSD
 Sample ID: 320-0001782-007
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 55
 Lims Batch ID: 7240 Lims Sample ID: 7
 Method: \\SACChrom\ChromData\LC10\20121211-1782.b\8330_LC10.m
 Last Update: 12-Dec-2012 08:01:02 Calib Date: 01-Sep-2012 16:31:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK018

First Level Reviewer: noonanr

Date: 12-Dec-2012 08:01:02

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

11 HMX
 1 5.206 5.196 0.010 7820 62.2
 19 RDX
 1 7.496 7.476 0.020 4875 54.8
 27 1,3,5-Trinitrobenzene
 1 9.832 9.812 0.020 10210 62.8
 24 1,3-Dinitrobenzene
 1 12.456 12.426 0.030 10420 64.5
 9 3,5-Dinitroaniline
 1 13.189 13.162 0.027 6393 61.5
 20 Tetryl
 1 13.589 13.566 0.023 4469 51.6
 5 Nitrobenzene
 1 14.193 14.169 0.024 4509 61.1
 7 Nitroglycerin
 2 14.803 14.789 0.014 8038 123.9
 25 2,4,6-Trinitrotoluene
 1 15.683 15.666 0.017 4703 50.7
 26 4-Amino-2,6-dinitrotoluene
 1 16.219 16.199 0.020 4738 62.6
 \$ 30 3,4-Dinitrotoluene
 1 16.663 16.636 0.027 3320 59.0
 2 16.663 16.639 0.024 6429 62.2
 6 2-Amino-4,6-dinitrotoluene
 1 17.206 17.169 0.037 5113 61.2
 12 2,6-Dinitrotoluene
 1 18.799 18.759 0.040 3661 61.4
 23 2,4-Dinitrotoluene
 1 19.413 19.396 0.017 5931 61.8

Data File: \\SACChrom\ChromData\LC10\20121211-1782.b\H000007.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
16 o-Nitrotoluene						
1	22.729	22.706	0.023	2615	58.7	
15 p-Nitrotoluene						
1	24.373	24.376	-0.003	3288	61.5	
8 m-Nitrotoluene						
1	26.269	26.239	0.030	3260	60.4	
21 PETN						
2	28.579	28.442	0.137	4169	113.5	M

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 12-Dec-2012 08:01:02

Chrom Revision: 2.1 06-Dec-2012 12:37:36

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121211-1782.b\H000007.D

Injection Date: 11-Dec-2012 19:28:11

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 7240

Lims Sample ID: 7

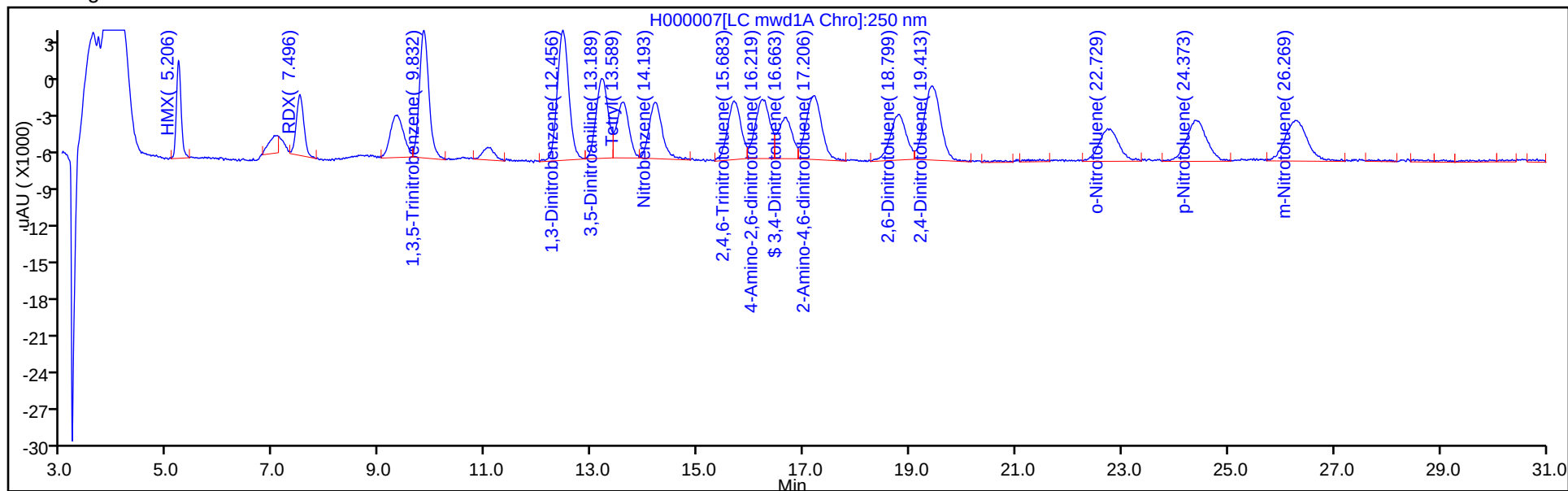
Operator ID: RN

Injection Vol: 500.0 ul

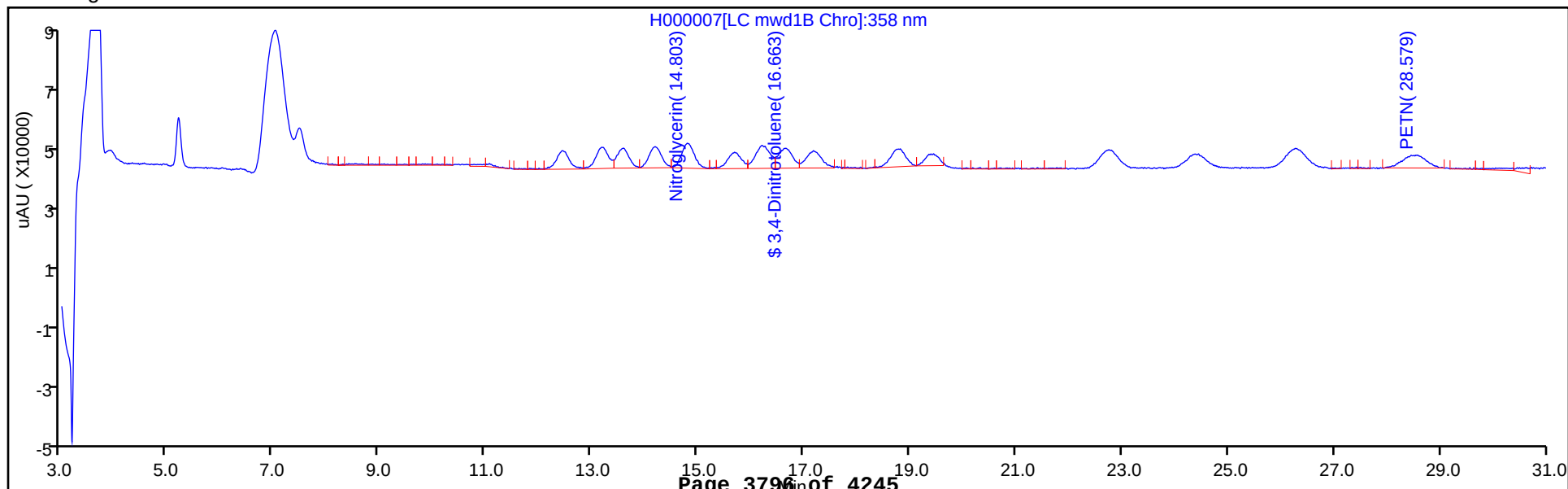
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121211-1782.b\H000007.D

Injection Date: 11-Dec-2012 19:28:11

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 7240

Lims Sample ID: 7

Operator ID: RN

Injection Vol: 500.0 ul

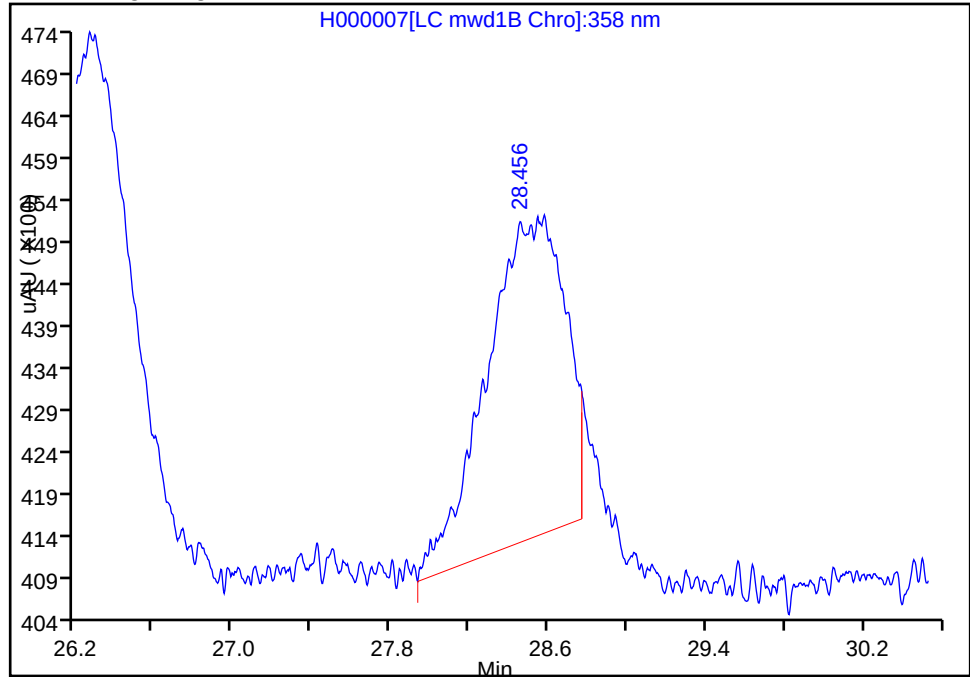
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

21 PETN, Signal: 1, Type: quant, RT: 28.44, Det: LC mwd1B

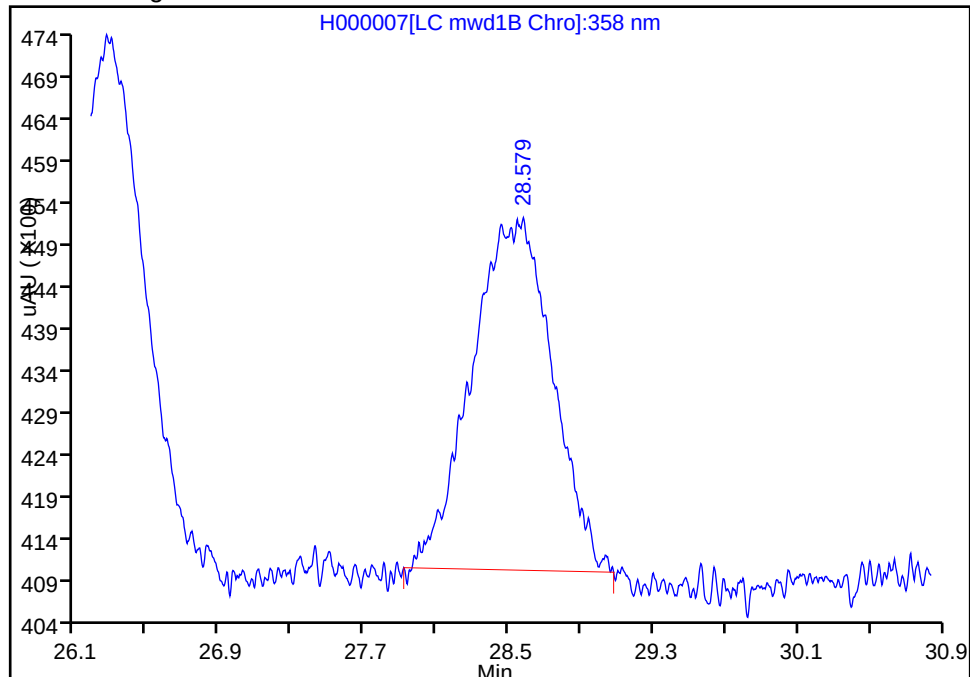
RT: 28.46
Response: 3792
Amount: 103.2549

Processing Integration Results



RT: 28.58
Response: 4169
Amount: 113.5204

Manual Integration Results



Reviewer: noonanr, 12-Dec-2012 08:01:02

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1

SDG No.: _____

Client Sample ID: 076SW-0013-0001-SW MSD Lab Sample ID: 240-17796-17 MSD

Matrix: Water Lab File ID: C000044.D

Analysis Method: 8330B Date Collected: 11/15/2012 14:00

Extraction Method: 8330-Prep Date Extracted: 11/20/2012 12:14

Sample wt/vol: 964 (mL) Date Analyzed: 12/04/2012 16:21

Con. Extract Vol.: 20 (mL) Dilution Factor: 1

Injection Volume: 500 (uL) GC Column: Synergi C18 ID: 4.6 (mm)

% Moisture: _____ GPC Cleanup: (Y/N) N

Analysis Batch No.: 6772 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
99-35-4	1,3,5-Trinitrobenzene	1.08		0.10	0.052	0.032
99-65-0	1,3-Dinitrobenzene	1.09		0.10	0.10	0.052
118-96-7	2,4,6-Trinitrotoluene	0.909	M	0.10	0.10	0.052
121-14-2	2,4-Dinitrotoluene	0.988		0.10	0.10	0.052
606-20-2	2,6-Dinitrotoluene	0.922		0.10	0.10	0.052
35572-78-2	2-Amino-4,6-dinitrotoluene	1.07	M	0.21	0.10	0.016
88-72-2	2-Nitrotoluene	0.964		0.52	0.10	0.091
99-08-1	3-Nitrotoluene	0.989		0.52	0.10	0.059
99-99-0	4-Nitrotoluene	1.00		0.52	0.10	0.091
19406-51-0	4-Amino-2,6-dinitrotoluene	1.14	M	0.10	0.10	0.052
2691-41-0	HMX	1.20	M	0.10	0.052	0.037
121-82-4	RDX	1.23	M	0.10	0.052	0.037
98-95-3	Nitrobenzene	1.04		0.10	0.10	0.052
479-45-8	Tetryl	0.815	M	0.10	0.10	0.052
55-63-0	Nitroglycerin	4.96		0.67	0.52	0.34
78-11-5	PETN	4.70		0.67	0.52	0.31

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	97	M	79-111

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20121203-1645.b\C000044.D
 Lims ID: 240-17796-M-17-A MSD Client ID: 076SW-0013-0002-SW
 Inject. Date: 04-Dec-2012 16:21:16 Dil. Factor: 1.0000
 Sample Type: MSD
 Sample ID: 320-0001645-042
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 46
 Lims Batch ID: 6772 Lims Sample ID: 42
 Method: \\SACChrom\ChromData\LC10\20121203-1645.b\8330_LC10.m
 Last Update: 05-Dec-2012 08:22:08 Calib Date: 01-Sep-2012 16:31:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK034

First Level Reviewer: noonanr

Date:

05-Dec-2012 08:22:08

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						M
1	5.227	5.209	0.018	7251	57.6	M
19 RDX						M
1	7.533	7.505	0.028	5283	59.4	M
27 1,3,5-Trinitrobenzene						
1	9.880	9.852	0.028	8470	52.1	
24 1,3-Dinitrobenzene						
1	12.530	12.479	0.051	8513	52.7	
9 3,5-Dinitroaniline						M
1	13.284	13.229	0.055	5817	56.0	M
20 Tetryl						M
1	13.694	13.646	0.048	3398	39.3	M
5 Nitrobenzene						
1	14.264	14.226	0.038	3709	50.3	
7 Nitroglycerin						
2	14.917	14.872	0.045	15507	239.0	
25 2,4,6-Trinitrotoluene						M
1	15.804	15.759	0.045	4064	43.8	M
26 4-Amino-2,6-dinitrotoluene						M
1	16.354	16.276	0.078	4159	54.9	M
\$ 30 3,4-Dinitrotoluene						M
1	16.770	16.732	0.038	6822	121.1	M
2	16.777	16.732	0.045	11160	108.0	
6 2-Amino-4,6-dinitrotoluene						M
1	17.294	17.249	0.045	4321	51.7	M
12 2,6-Dinitrotoluene						
1	18.910	18.856	0.054	2648	44.4	
23 2,4-Dinitrotoluene						
1	19.534	19.496	0.038	4568	47.6	

Data File: \\SACChrom\ChromData\LC10\20121203-1645.b\C000044.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

16 o-Nitrotoluene

1 22.890 22.879 0.011 2070 46.5

15 p-Nitrotoluene

1 24.597 24.506 0.091 2579 48.3

8 m-Nitrotoluene

1 26.460 26.419 0.041 2570 47.6

21 PETN

2 28.784 28.746 0.038 8315 226.4

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 05-Dec-2012 08:22:09

Chrom Revision: 2.1 03-Dec-2012 11:37:40

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121203-1645.b\C000044.D

Injection Date: 04-Dec-2012 16:21:16 Limit Group: LC 8330B ICAL

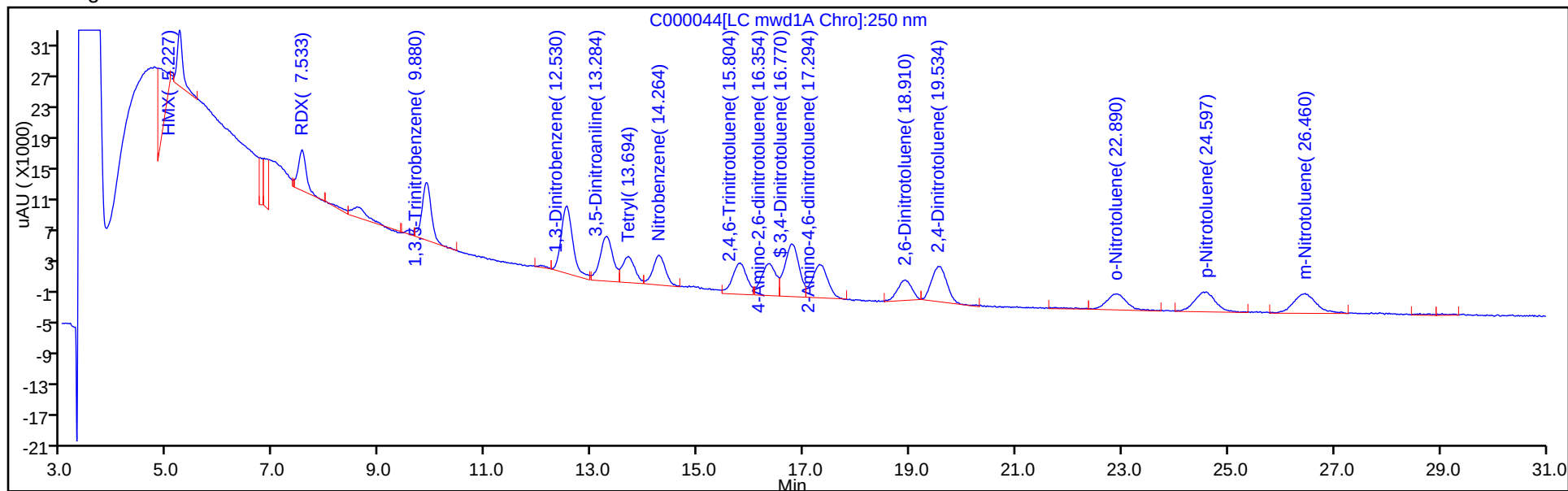
Client ID: 076SW-0013-0002-SW Instrument ID: LC10

Lims Batch ID: 6772 Lims Sample ID: 42

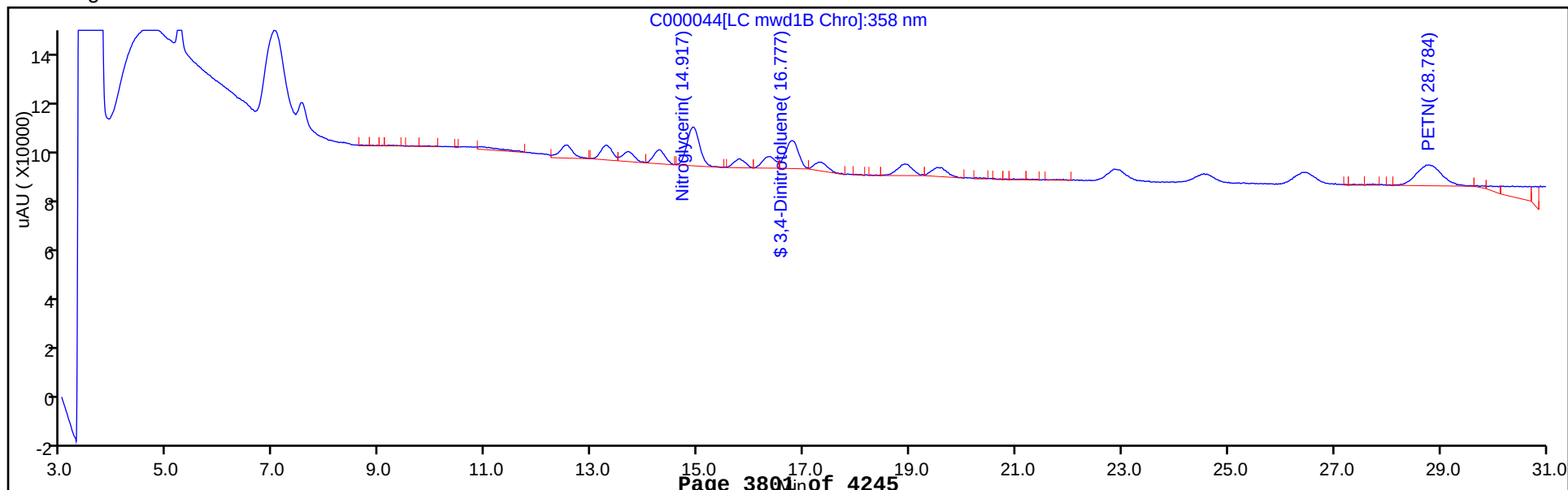
Operator ID: RN Injection Vol: 500.0 ul

Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



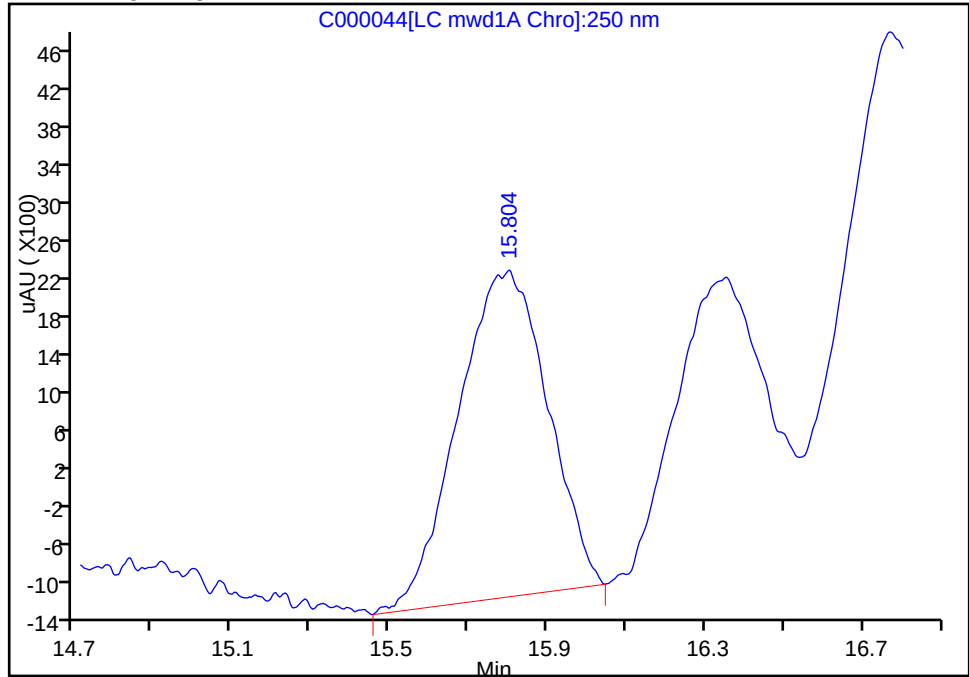
TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121203-1645.b\C000044.D
Injection Date: 04-Dec-2012 16:21:16 Limit Group: LC 8330B ICAL
Client ID: 076SW-0013-0002-SW Instrument ID: LC10
Lims Batch ID: 6772 Lims Sample ID: 42
Operator ID: RN Injection Vol: 500.0 ul
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm

25 2,4,6-Trinitrotoluene, Signal: 1, Type: quant, RT: 15.76, Det: LC mwd1A

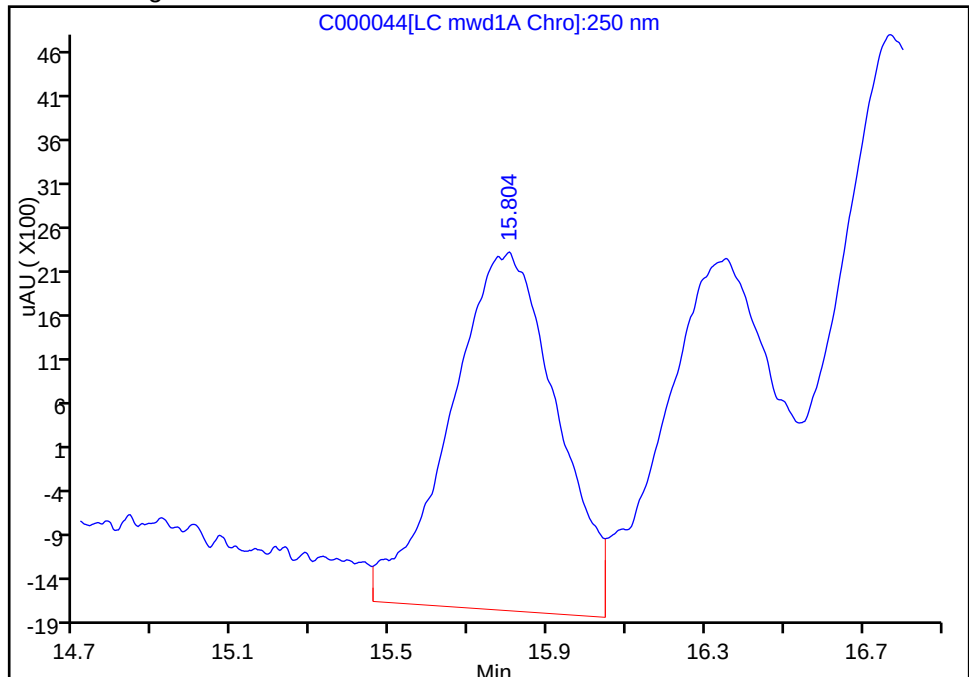
RT: 15.80
Response: 3378
Amount: 36.405226

Processing Integration Results



RT: 15.80
Response: 4064
Amount: 43.798354

Manual Integration Results



Reviewer: noonanr, 05-Dec-2012 08:22:08
Audit Action: Assigned New Baseline
Audit Reason: Baseline

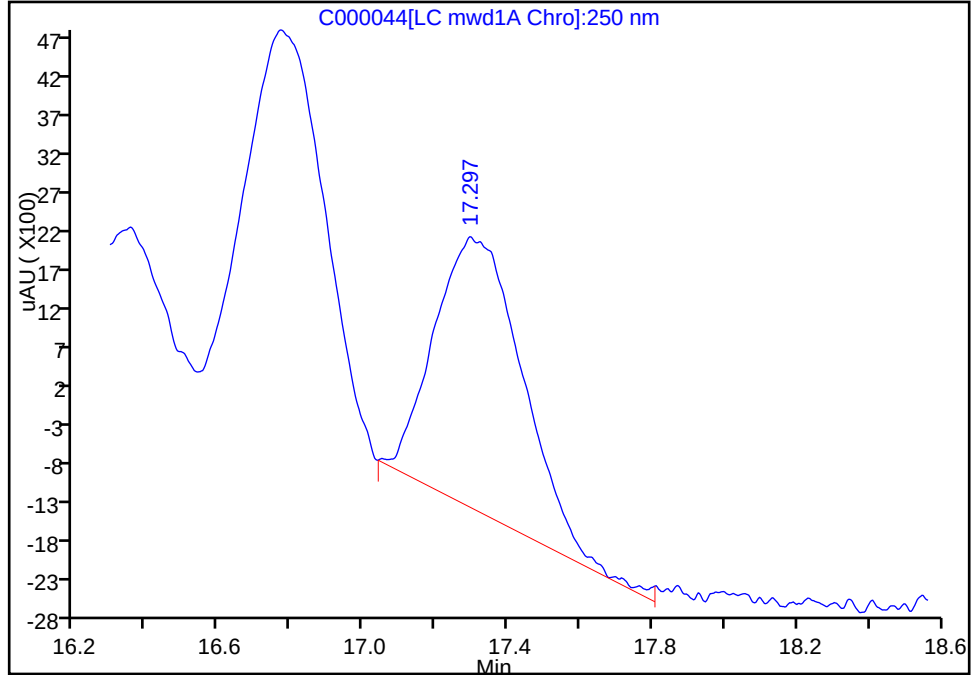
TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121203-1645.b\C000044.D
Injection Date: 04-Dec-2012 16:21:16 Limit Group: LC 8330B ICAL
Client ID: 076SW-0013-0002-SW Instrument ID: LC10
Lims Batch ID: 6772 Lims Sample ID: 42
Operator ID: RN Injection Vol: 500.0 ul
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm

6 2-Amino-4,6-dinitrotoluene, Signal: 1, Type: quant, RT: 17.25, Det: LC mwd1A

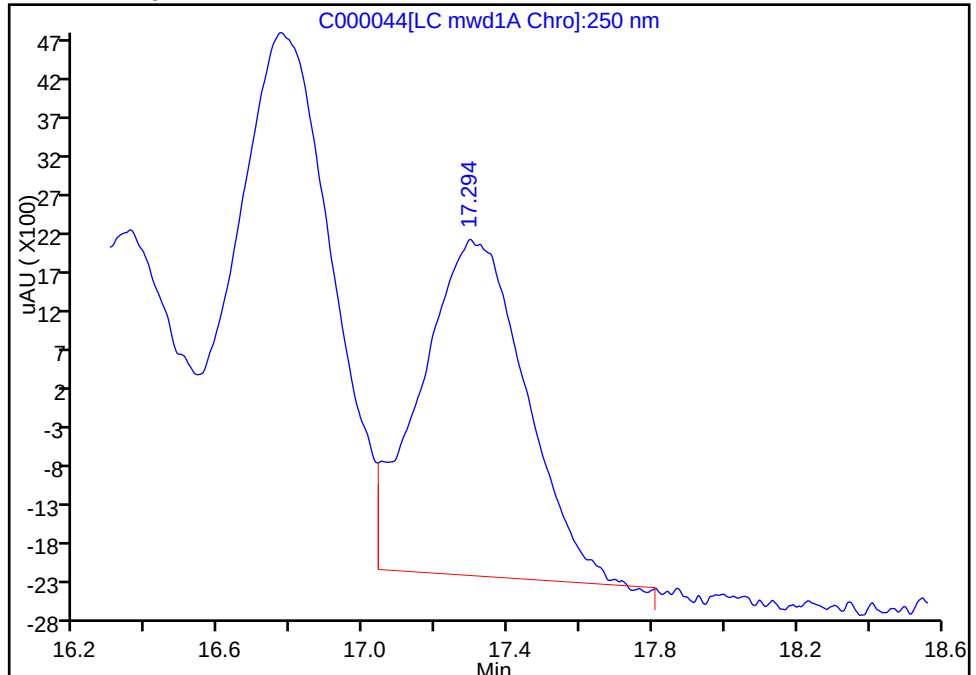
RT: 17.30
Response: 3483
Amount: 41.667041

Processing Integration Results



RT: 17.29
Response: 4321
Amount: 51.692013

Manual Integration Results



Reviewer: noonanr, 05-Dec-2012 08:22:08
Audit Action: Assigned New Baseline
Audit Reason: Baseline

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121203-1645.b\C000044.D

Injection Date: 04-Dec-2012 16:21:16

Limit Group: LC 8330B ICAL

Client ID: 076SW-0013-0002-SW

Instrument ID: LC10

Lims Batch ID: 6772

Lims Sample ID: 42

Operator ID: RN

Injection Vol: 500.0 ul

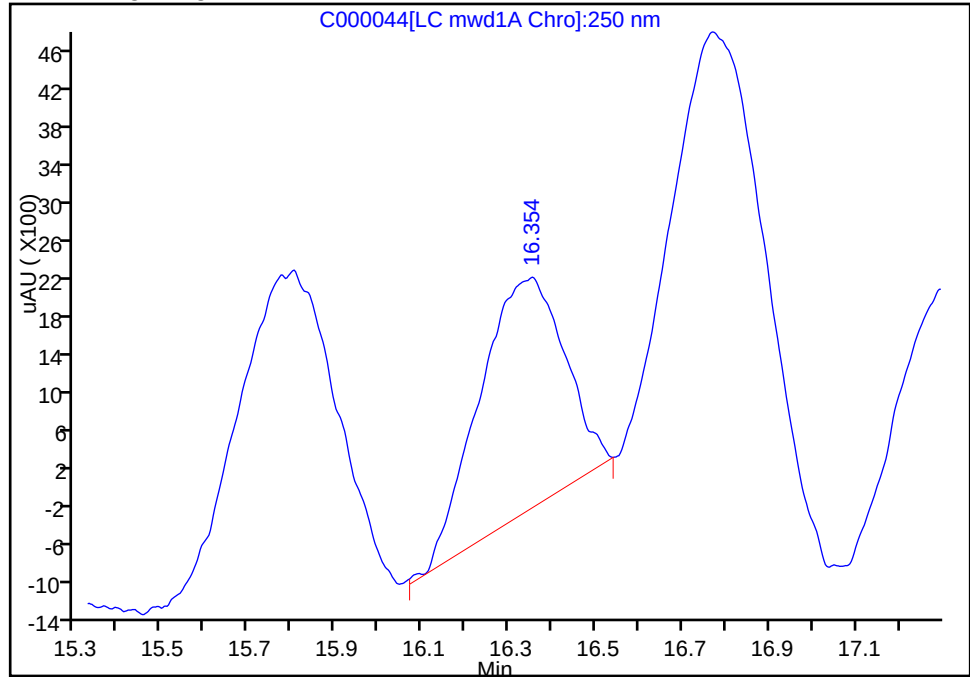
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

26 4-Amino-2,6-dinitrotoluene, Signal: 1, Type: quant, RT: 16.28, Det: LC mwd1A

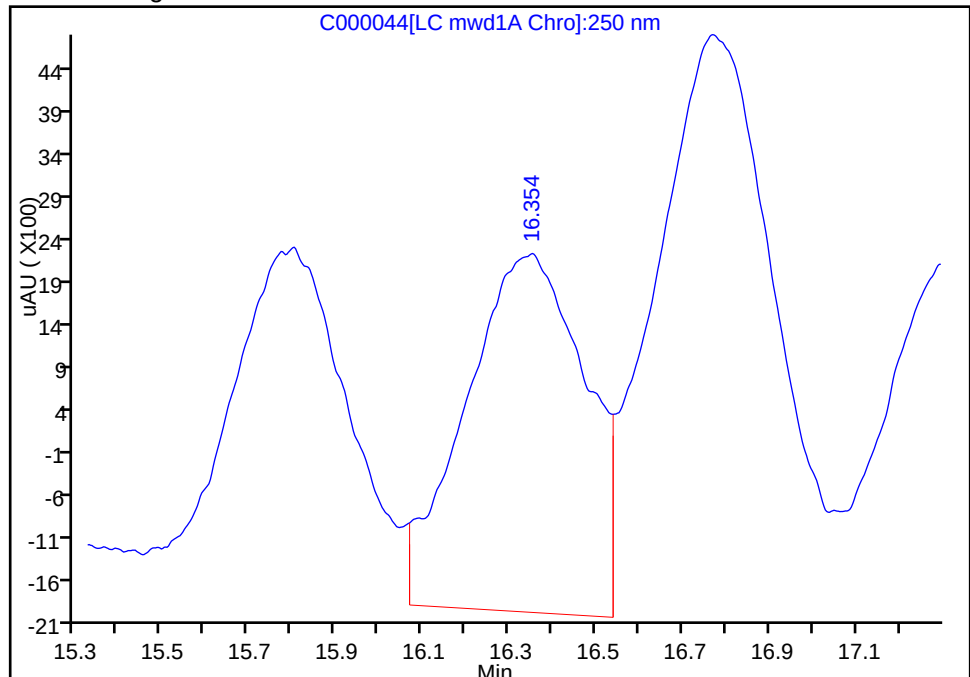
RT: 16.35
Response: 2385
Amount: 31.493152

Processing Integration Results



RT: 16.35
Response: 4159
Amount: 54.918247

Manual Integration Results



Reviewer: noonanr, 05-Dec-2012 08:22:08

Audit Action: Assigned New Baseline

Audit Reason: Baseline

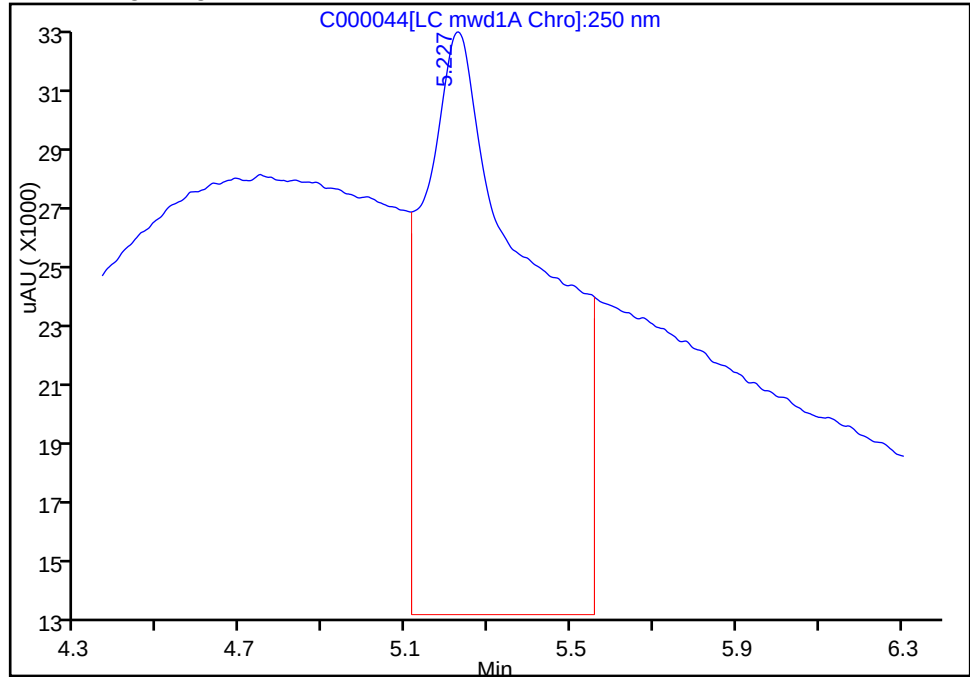
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20121203-1645.b\C000044.D		
Injection Date:	04-Dec-2012 16:21:16	Limit Group:	LC 8330B ICAL
Client ID:	076SW-0013-0002-SW	Instrument ID:	LC10
Lims Batch ID:	6772	Lims Sample ID:	42
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

11 HMX, Signal: 1, Type: quant, RT: 5.21, Det: LC mwd1A

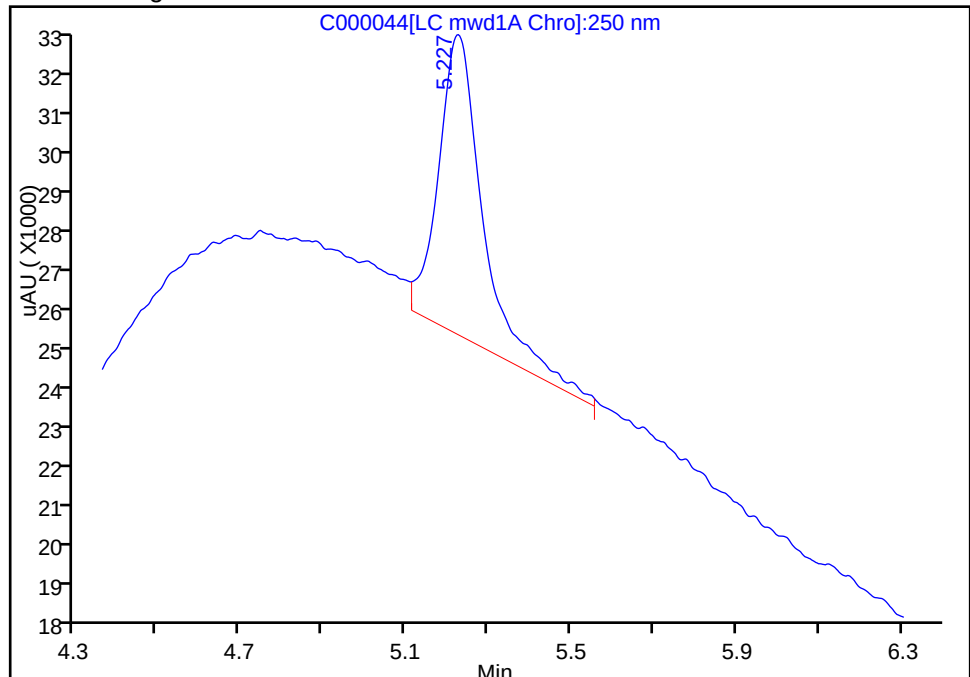
RT: 5.23
Response: 19326
Amount: 153.6175

Processing Integration Results



RT: 5.23
Response: 7251
Amount: 57.636361

Manual Integration Results



Reviewer: noonanr, 05-Dec-2012 08:22:08
Audit Action: Assigned New Baseline
Audit Reason: Baseline

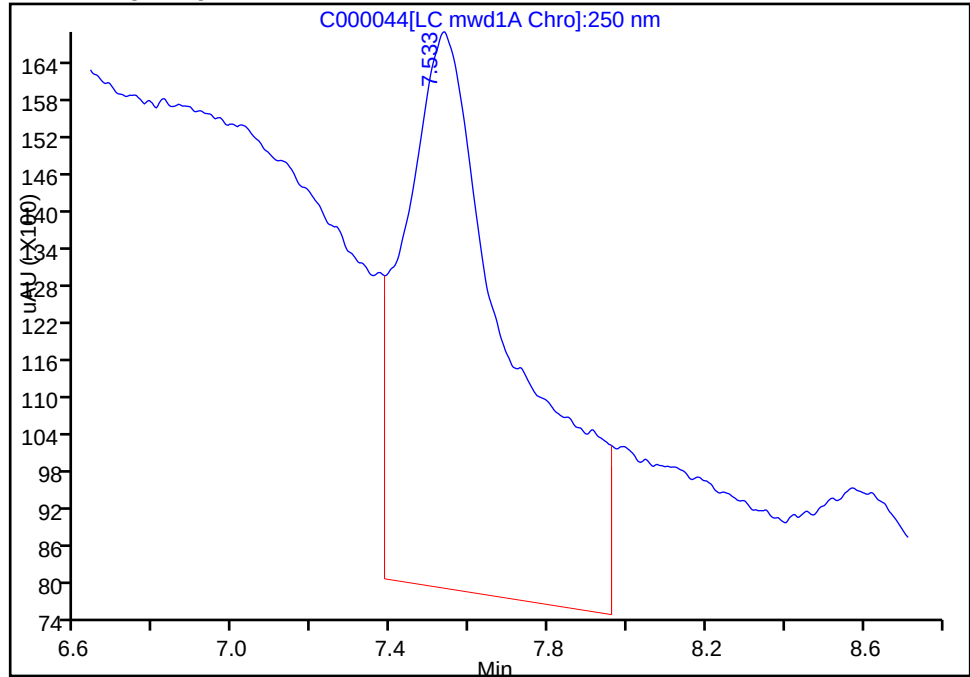
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20121203-1645.b\C000044.D		
Injection Date:	04-Dec-2012 16:21:16	Limit Group:	LC 8330B ICAL
Client ID:	076SW-0013-0002-SW	Instrument ID:	LC10
Lims Batch ID:	6772	Lims Sample ID:	42
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

19 RDX, Signal: 1, Type: quant, RT: 7.51, Det: LC mwd1A

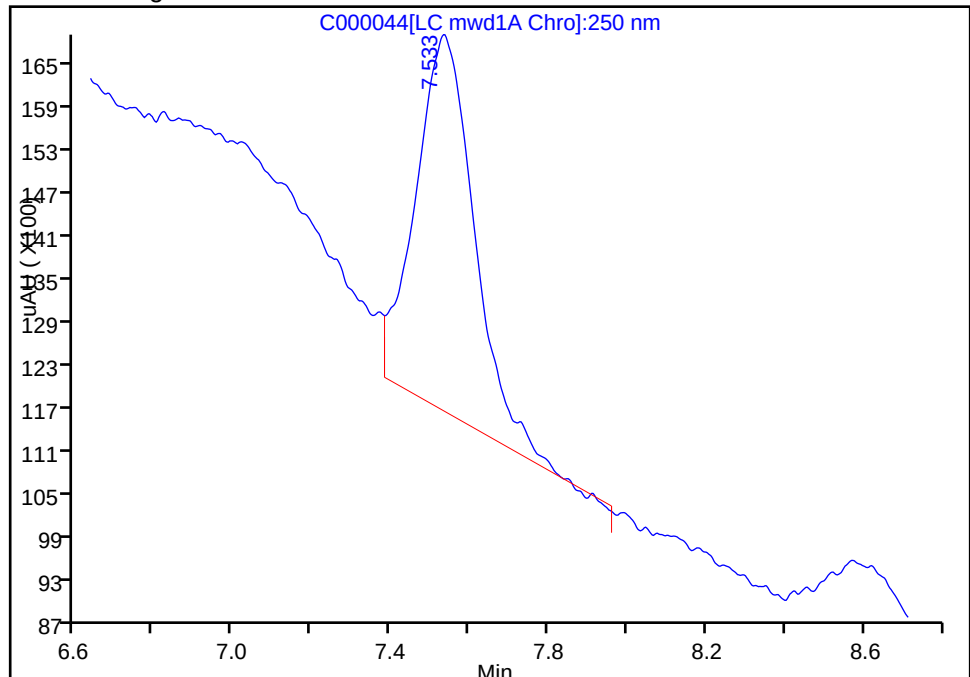
RT: 7.53
Response: 9005
Amount: 101.1951

Processing Integration Results



RT: 7.53
Response: 5283
Amount: 59.368556

Manual Integration Results



Reviewer: noonanr, 05-Dec-2012 08:22:08
Audit Action: Assigned New Baseline
Audit Reason: Baseline

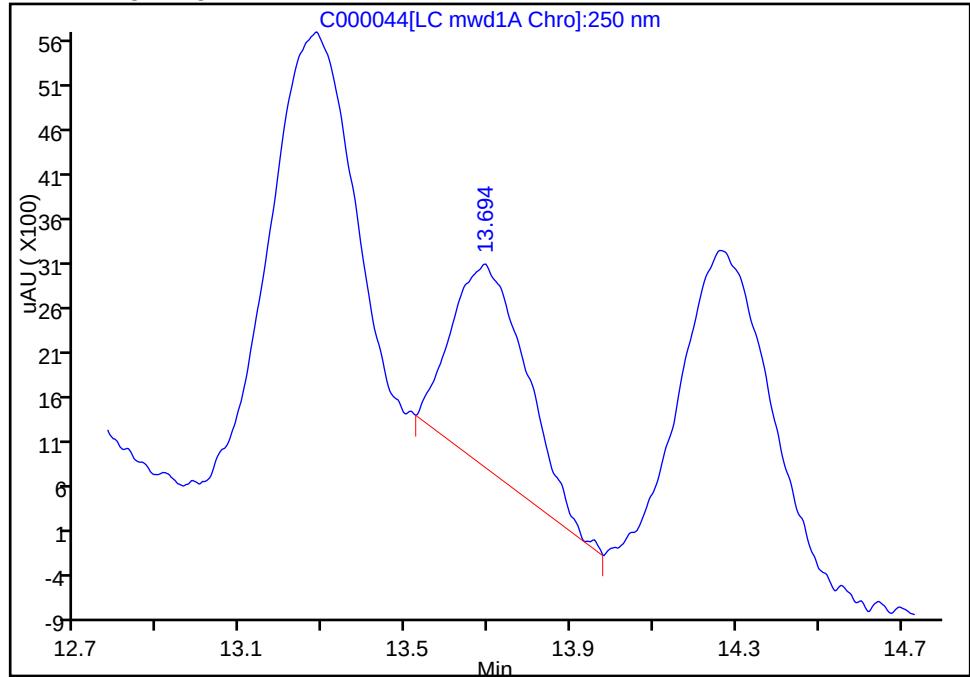
TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121203-1645.b\C000044.D
Injection Date: 04-Dec-2012 16:21:16 Limit Group: LC 8330B ICAL
Client ID: 076SW-0013-0002-SW Instrument ID: LC10
Lims Batch ID: 6772 Lims Sample ID: 42
Operator ID: RN Injection Vol: 500.0 ul
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm

20 Tetryl, Signal: 1, Type: quant, RT: 13.65, Det: LC mwd1A

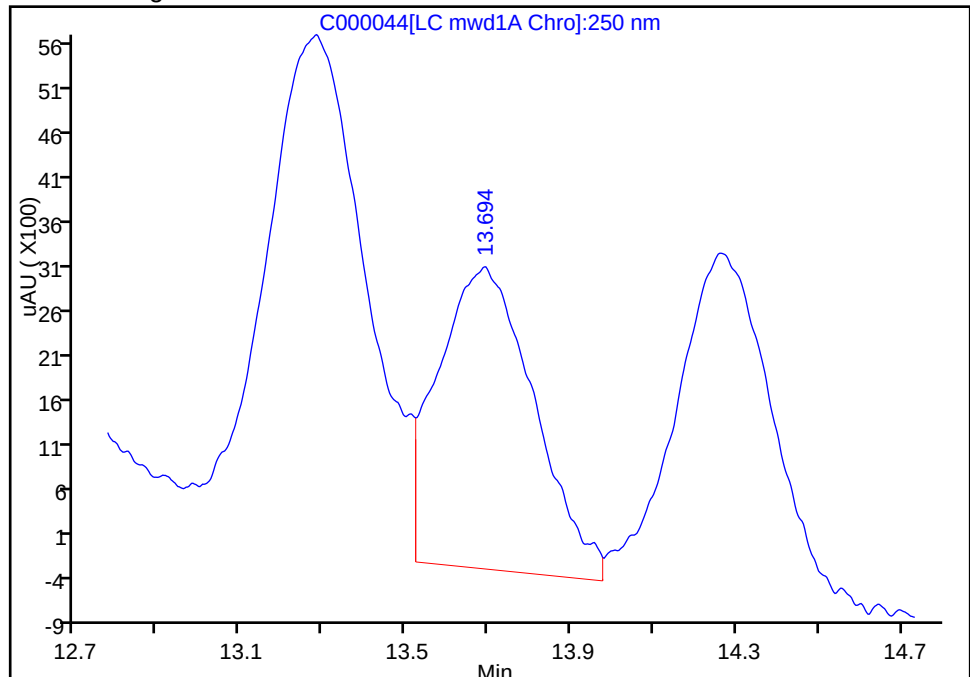
RT: 13.69
Response: 2292
Amount: 26.481535

Processing Integration Results



RT: 13.69
Response: 3398
Amount: 39.260146

Manual Integration Results



Reviewer: noonanr, 05-Dec-2012 08:22:08
Audit Action: Assigned New Baseline
Audit Reason: Baseline

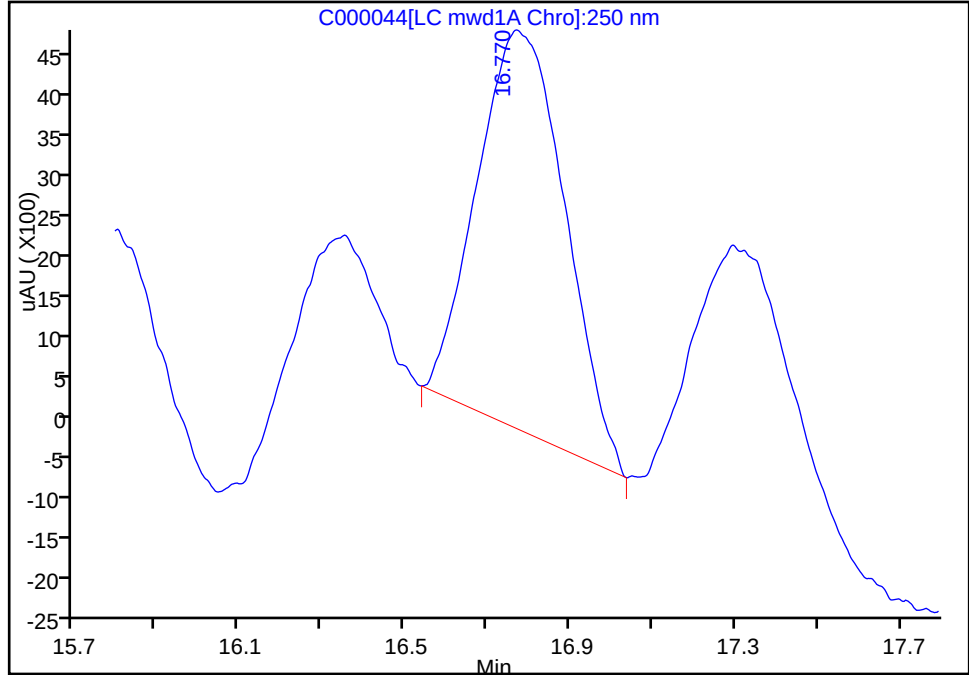
TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20121203-1645.b\C000044.D
Injection Date: 04-Dec-2012 16:21:16 Limit Group: LC 8330B ICAL
Client ID: 076SW-0013-0002-SW Instrument ID: LC10
Lims Batch ID: 6772 Lims Sample ID: 42
Operator ID: RN Injection Vol: 500.0 ul
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm

\$ 30 3,4-Dinitrotoluene, Signal: 1, Type: quant, RT: 16.73, Det: LC mwd1A

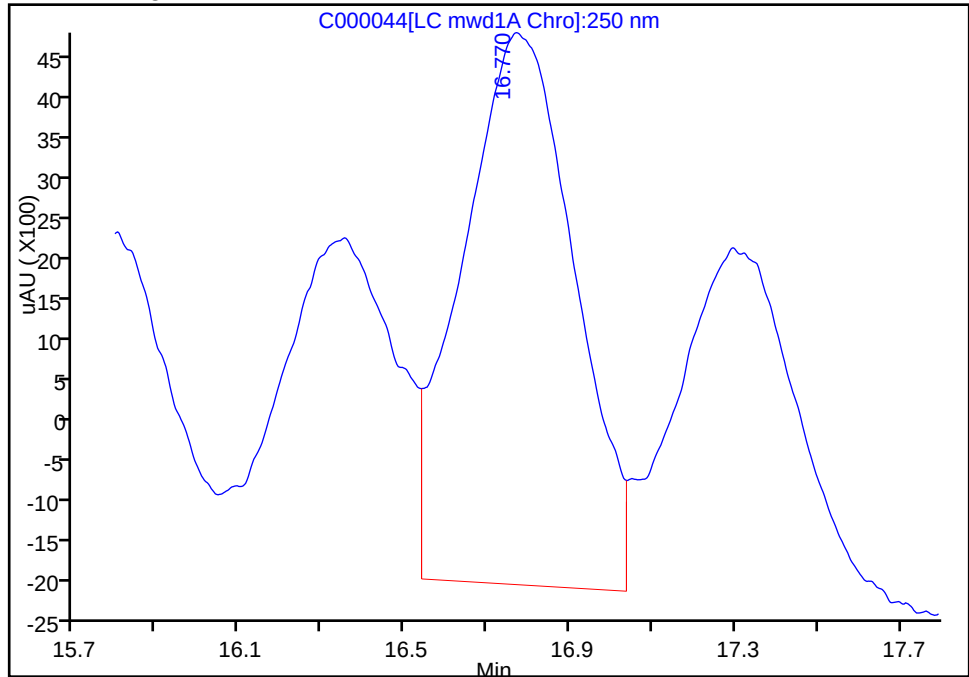
RT: 16.77
Response: 4925
Amount: 87.451132

Processing Integration Results



RT: 16.77
Response: 6822
Amount: 121.1354

Manual Integration Results



Reviewer: noonanr, 05-Dec-2012 08:22:08
Audit Action: Assigned New Baseline
Audit Reason: Baseline

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1

SDG No.: _____

Instrument ID: LC10 Start Date: 09/01/2012 11:10Analysis Batch Number: 3377 End Date: 09/01/2012 19:11

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		09/01/2012 11:10	1		Synergi C18 4.6 (mm)
STD01 320-3377/2 IC		09/01/2012 11:50	1	A-000006.D	Synergi C18 4.6 (mm)
STD02 320-3377/3 IC		09/01/2012 12:30	1	A-000007.D	Synergi C18 4.6 (mm)
STD03 320-3377/4 IC		09/01/2012 13:10	1	A-000008.D	Synergi C18 4.6 (mm)
STD04 320-3377/5 IC		09/01/2012 13:50	1	A-000009.D	Synergi C18 4.6 (mm)
STD05 320-3377/6 IC		09/01/2012 14:30	1	A-000010.D	Synergi C18 4.6 (mm)
STD06 320-3377/7 IC		09/01/2012 15:10	1	A-000011.D	Synergi C18 4.6 (mm)
STD07 320-3377/8 IC		09/01/2012 15:50	1	A-000012.D	Synergi C18 4.6 (mm)
STD08 320-3377/9 IC		09/01/2012 16:31	1	A-000013.D	Synergi C18 4.6 (mm)
ZZZZZ		09/01/2012 17:10	1		Synergi C18 4.6 (mm)
ICV 320-3377/11		09/01/2012 17:51	1	A-000015.D	Synergi C18 4.6 (mm)
ICV 320-3377/12		09/01/2012 18:31	1		
LODV 320-3377/13		09/01/2012 19:11	1	A-000017.D	Synergi C18 4.6 (mm)

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1

SDG No.: _____

Instrument ID: LC10 Start Date: 12/04/2012 12:20Analysis Batch Number: 6772 End Date: 12/04/2012 20:22

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD05 320-6772/36 CCVRT		12/04/2012 12:20	1	C000038.D	Synergi C18 4.6 (mm)
CCVL 320-6772/37		12/04/2012 13:00	1	C000039.D	Synergi C18 4.6 (mm)
MB 320-6172/1-A		12/04/2012 13:40	1	C000040.D	Synergi C18 4.6 (mm)
LCS 320-6172/2-A		12/04/2012 14:20	1	C000041.D	Synergi C18 4.6 (mm)
240-17796-17	076SW-0013-0001-SW	12/04/2012 15:00	1	C000042.D	Synergi C18 4.6 (mm)
240-17796-17 MS	076SW-0013-0001-SW MS	12/04/2012 15:41	1	C000043.D	Synergi C18 4.6 (mm)
240-17796-17 MSD	076SW-0013-0001-SW MSD	12/04/2012 16:21	1	C000044.D	Synergi C18 4.6 (mm)
240-17796-18	076SW-0014-0001-SW	12/04/2012 17:01	1	C000045.D	Synergi C18 4.6 (mm)
240-17796-19	076SW-0015-0001-SW	12/04/2012 17:41	1	C000046.D	Synergi C18 4.6 (mm)
240-17796-20	076-0067-0001-ER	12/04/2012 18:22	1	C000047.D	Synergi C18 4.6 (mm)
STD05 320-6772/46 CCVRT		12/04/2012 19:42	1	C000049.D	Synergi C18 4.6 (mm)
CCVL 320-6772/47		12/04/2012 20:22	1	C000050.D	Synergi C18 4.6 (mm)

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica West SacramentoJob No.: 240-17796-1

SDG No.: _____

Instrument ID: LC10Start Date: 12/11/2012 15:27Analysis Batch Number: 7240End Date: 12/12/2012 18:18

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVL 320-7240/1		12/11/2012 15:27	1	H000001.D	Synergi C18 4.6 (mm)
CCV 320-7240/2 CCVRT		12/11/2012 16:07	1	H000002.D	Synergi C18 4.6 (mm)
MB 320-6559/1-A		12/11/2012 16:47	1	H000003.D	Synergi C18 4.6 (mm)
LCS 320-6559/2-A		12/11/2012 17:27	1	H000004.D	Synergi C18 4.6 (mm)
240-17796-2	076SS-0022M-0001-SO	12/11/2012 18:07	1	H000005.D	Synergi C18 4.6 (mm)
240-17796-2 MS	076SS-0022M-0001-SO MS	12/11/2012 18:48	1	H000006.D	Synergi C18 4.6 (mm)
240-17796-2 MSD	076SS-0022M-0001-SO MSD	12/11/2012 19:28	1	H000007.D	Synergi C18 4.6 (mm)
240-17796-9	076SB-0053M-0001-SO	12/11/2012 20:08	1	H000008.D	Synergi C18 4.6 (mm)
240-17796-10	076SS-0007M-0001-SO	12/11/2012 20:48	1	H000009.D	Synergi C18 4.6 (mm)
240-17796-11	076SB-0054M-0001-SO	12/11/2012 21:28	1	H000010.D	Synergi C18 4.6 (mm)
240-17796-12	076SB-0055M-0001-SO	12/11/2012 22:09	1	H000011.D	Synergi C18 4.6 (mm)
240-17796-13	076SB-0056M-0001-SO	12/11/2012 22:49	1	H000012.D	Synergi C18 4.6 (mm)
CCV 320-7240/13 CCVRT		12/11/2012 23:29	1	H000013.D	Synergi C18 4.6 (mm)
240-17796-14	076SB-0057M-0001-SO	12/12/2012 00:09	1	H000014.D	Synergi C18 4.6 (mm)
240-17796-15	076SB-0058M-0001-SO	12/12/2012 00:49	1	H000015.D	Synergi C18 4.6 (mm)
240-17796-16	076SB-0059M-0001-SO	12/12/2012 01:29	1	H000016.D	Synergi C18 4.6 (mm)
240-17796-29	076SB-0044M-0001-SO	12/12/2012 02:10	1	H000017.D	Synergi C18 4.6 (mm)
240-17796-30	076SB-0045M-0001-SO	12/12/2012 02:50	1	H000018.D	Synergi C18 4.6 (mm)
240-17796-31	076SB-0046M-0001-SO	12/12/2012 03:30	1	H000019.D	Synergi C18 4.6 (mm)
240-17796-32	076SB-0047M-0001-SO	12/12/2012 04:11	1	H000020.D	Synergi C18 4.6 (mm)
240-17796-33	076SB-0048M-0001-SO	12/12/2012 04:51	1	H000021.D	Synergi C18 4.6 (mm)
240-17796-34	076SB-0049M-0001-SO	12/12/2012 05:31	1	H000022.D	Synergi C18 4.6 (mm)
240-17796-35	076SB-0050M-0001-SO	12/12/2012 06:12	1	H000023.D	Synergi C18 4.6 (mm)
STD05 320-7240/24 CCVRT		12/12/2012 06:52	1	H000024.D	Synergi C18 4.6 (mm)
240-17796-36	076SB-0051M-0001-SO	12/12/2012 07:32	1	H000025.D	Synergi C18 4.6 (mm)
CCV 320-7240/26		12/12/2012 11:36	1	L000006.D	Synergi C18 4.6 (mm)
CCVL 320-7240/27 CCVRT		12/12/2012 12:16	1	L000007.D	Synergi C18 4.6 (mm)
CCV 320-7240/41		12/12/2012 18:18	1		Synergi C18 4.6 (mm)

HPLC/IC BATCH WORKSHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1

SDG No.: _____

Batch Number: 6172 Batch Start Date: 11/20/12 12:14 Batch Analyst: Phan, TuanBatch Method: 8330-Prep Batch End Date: 11/30/12 08:40

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	HP34DNTSU 00007	HP8330SP 00008
MB 320-6172/1		8330-Prep, 8330B				1000 mL	20 mL	50 uL	
LCS 320-6172/2		8330-Prep, 8330B				1000 mL	20 mL	50 uL	20 uL
240-17796-L-17	076SW-0013-0001-SW	8330-Prep, 8330B	T	1479.1 g	500.43 g	978.7 mL	20 mL	50 uL	
240-17796-N-17 MS	076SW-0013-0001-SW	8330-Prep, 8330B	T	1475.7 g	498.35 g	977.4 mL	20 mL	50 uL	20 uL
240-17796-M-17 MSD	076SW-0013-0001-SW	8330-Prep, 8330B	T	1463.0 g	499.01 g	964 mL	20 mL	50 uL	20 uL
240-17796-D-18	076SW-0014-0001-SW	8330-Prep, 8330B	T	1472.00 g	501.53 g	970.5 mL	20 mL	50 uL	
240-17796-D-19	076SW-0015-0001-SW	8330-Prep, 8330B	T	1468.8 g	501.04 g	967.8 mL	20 mL	50 uL	
240-17796-K-20	076-0067-0001-ER	8330-Prep, 8330B	T	1473.2 g	498.91 g	974.3 mL	20 mL	50 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	HPNGSP 00006	HPPETNSP 00005				
MB 320-6172/1		8330-Prep, 8330B							
LCS 320-6172/2		8330-Prep, 8330B		100 uL	100 uL				
240-17796-L-17	076SW-0013-0001-SW	8330-Prep, 8330B	T						
240-17796-N-17 MS	076SW-0013-0001-SW	8330-Prep, 8330B	T	100 uL	100 uL				
240-17796-M-17 MSD	076SW-0013-0001-SW	8330-Prep, 8330B	T	100 uL	100 uL				
240-17796-D-18	076SW-0014-0001-SW	8330-Prep, 8330B	T						
240-17796-D-19	076SW-0015-0001-SW	8330-Prep, 8330B	T						
240-17796-K-20	076-0067-0001-ER	8330-Prep, 8330B	T						

HPLC/IC BATCH WORKSHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1

SDG No.: _____

Batch Number: 6172 Batch Start Date: 11/20/12 12:14 Batch Analyst: Phan, TuanBatch Method: 8330-Prep Batch End Date: 11/30/12 08:40

Batch Notes	
0.1% HOAc/CAN Lot 3	HPHOAC/ACN_00001
Balance ID	QA-070
Person's name who did the concentration	TP
Date of Clean up	11/30/12
Date Dilution Performed	11/30/12
Analytst performing Dilution	TP
Filter Lot #	R2DA02309
Date of Final Volume	11/30/12
Millipore Water Dispense Date	11/20/12
Prep Solvent Volume Used	5 mL
Person's name who witnessed reagent drop	JR
SPE Cartridge Lot #	WATER 003732167A

Basis	Basis Description
T	Total/NA

HPLC/IC BATCH WORKSHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1

SDG No.: _____

Batch Number: 6559 Batch Start Date: 11/29/12 08:10 Batch Analyst: Arauz, HoracioBatch Method: 8330B Batch End Date: 12/04/12 11:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	HP34DNTSU 00008	HP8330SP 00008	HPNGSP 00006	HPPETNSP 00005
MB 320-6559/1		8330B, 8330B		10.00 g	80 mL	100 uL			
LCS 320-6559/2		8330B, 8330B		10.00 g	80 mL	100 uL	100 uL	200 uL	200 uL
240-17796-C-2	076SS-0022M-0001 -SO	8330B, 8330B	T	10.07 g	80 mL	100 uL			
240-17796-C-2	076SS-0022M-0001 -SO	8330B, 8330B	T	10.05 g	80 mL	100 uL	100 uL	200 uL	200 uL
240-17796-C-2	076SS-0022M-0001 -SO	8330B, 8330B	T	9.99 g	80 mL	100 uL	100 uL	200 uL	200 uL
240-17796-C-9	076SB-0053M-0001 -SO	8330B, 8330B	T	10.08 g	80 mL	100 uL			
240-17796-C-10	076SS-0007M-0001 -SO	8330B, 8330B	T	10.09 g	80 mL	100 uL			
240-17796-C-11	076SB-0054M-0001 -SO	8330B, 8330B	T	10.05 g	80 mL	100 uL			
240-17796-C-12	076SB-0055M-0001 -SO	8330B, 8330B	T	10.01 g	80 mL	100 uL			
240-17796-C-13	076SB-0056M-0001 -SO	8330B, 8330B	T	10.12 g	80 mL	100 uL			
240-17796-C-14	076SB-0057M-0001 -SO	8330B, 8330B	T	10.03 g	80 mL	100 uL			
240-17796-C-15	076SB-0058M-0001 -SO	8330B, 8330B	T	10.05 g	80 mL	100 uL			
240-17796-C-16	076SB-0059M-0001 -SO	8330B, 8330B	T	10.03 g	80 mL	100 uL			
240-17796-C-29	076SB-0044M-0001 -SO	8330B, 8330B	T	10.09 g	80 mL	100 uL			
240-17796-C-30	076SB-0045M-0001 -SO	8330B, 8330B	T	10.00 g	80 mL	100 uL			
240-17796-C-31	076SB-0046M-0001 -SO	8330B, 8330B	T	10.01 g	80 mL	100 uL			
240-17796-C-32	076SB-0047M-0001 -SO	8330B, 8330B	T	10.10 g	80 mL	100 uL			
240-17796-C-33	076SB-0048M-0001 -SO	8330B, 8330B	T	10.04 g	80 mL	100 uL			
240-17796-C-34	076SB-0049M-0001 -SO	8330B, 8330B	T	10.03 g	80 mL	100 uL			
240-17796-C-35	076SB-0050M-0001 -SO	8330B, 8330B	T	10.08 g	80 mL	100 uL			
240-17796-C-36	076SB-0051M-0001 -SO	8330B, 8330B	T	10.03 g	80 mL	100 uL			

HPLC/IC BATCH WORKSHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1

SDG No.: _____

Batch Number: 6559 Batch Start Date: 11/29/12 08:10 Batch Analyst: Arauz, HoracioBatch Method: 8330B Batch End Date: 12/04/12 11:30

Batch Notes	
Balance ID	QA-070
Calcium Chloride Reagent ID	CACL2_00004
Person's name who did the concentration	NK
Date of Clean up	12/4/12
Analyst performed Clean Up	NK
Analytst performing Dilution	NK
Date Sample was Dried	SAMPLE 36 WAS DRIED 11/28/12
Filter Lot #	R2DA02309
Filter Type	.45um MILLIPORE
Date Sample was Ground	SAMPLE 36 WAS GROUND 11/29/12
Minumum Temperature	0
Person's name who witnessed reagent drop	TP
Blank Sand Lot #	FISHER 120571
Solvent Lot #	HPOAC/ACN_00002
Solvent Name	0.1% HOAC/ACN
Sonication Start Time	1125 11/29/12
Sonication Stop Time	5:25 11/30/12
SOP Number	WS-LC-0009
Maximum Temperature	35

Basis	Basis Description
T	Total/NA

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Canton Job Number: 240-17796-1
SDG No.: _____
Project: RVAAP - ECC

Client Sample ID	Lab Sample ID
076SB-0023M-0001-SO	240-17796-1
076SS-0022M-0001-SO	240-17796-2
076SB-0024M-0001-SO	240-17796-3
076SB-0025M-0001-SO	240-17796-4
076SB-0026M-0001-SO	240-17796-5
076SB-0027M-0001-SO	240-17796-6
076SB-0028M-0001-SO	240-17796-7
076SB-0029M-0001-SO	240-17796-8
076SB-0053M-0001-SO	240-17796-9
076SS-0007M-0001-SO	240-17796-10
076SB-0054M-0001-SO	240-17796-11
076SB-0055M-0001-SO	240-17796-12
076SB-0056M-0001-SO	240-17796-13
076SB-0057M-0001-SO	240-17796-14
076SB-0058M-0001-SO	240-17796-15
076SB-0059M-0001-SO	240-17796-16
076-0067-0001-ER	240-17796-20
076SB-0060M-0001-SO	240-17796-22
076SB-0061M-0001-SO	240-17796-23
076SB-0062M-0001-SO	240-17796-24
076SB-0063M-0001-SO	240-17796-25
076SB-0064M-0001-SO	240-17796-26
076SB-0065M-0001-SO	240-17796-27
076SB-0066M-0001-SO	240-17796-28

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 076SB-0023M-0001-SO Lab Sample ID: 240-17796-1
Lab Name: TestAmerica Canton Job No.: 240-17796-1
SDG ID.:
Matrix: Solid Date Sampled: 11/15/2012 09:15
Reporting Basis: WET Date Received: 11/16/2012 18:42

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Hg	0.033	0.098	0.032	0.014	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 076SS-0022M-0001-SO Lab Sample ID: 240-17796-2
Lab Name: TestAmerica Canton Job No.: 240-17796-1
SDG ID.:
Matrix: Solid Date Sampled: 11/15/2012 12:25
Reporting Basis: WET Date Received: 11/16/2012 18:42

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Hg	0.033	0.092	0.030	0.013	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 076SB-0024M-0001-SO Lab Sample ID: 240-17796-3
Lab Name: TestAmerica Canton Job No.: 240-17796-1
SDG ID.:
Matrix: Solid Date Sampled: 11/15/2012 10:20
Reporting Basis: WET Date Received: 11/16/2012 18:42

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Hg	0.028	0.098	0.032	0.014	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 076SB-0025M-0001-SO Lab Sample ID: 240-17796-4
Lab Name: TestAmerica Canton Job No.: 240-17796-1
SDG ID.:
Matrix: Solid Date Sampled: 11/15/2012 09:00
Reporting Basis: WET Date Received: 11/16/2012 18:42

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Hg	0.029	0.091	0.030	0.013	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 076SB-0026M-0001-SO

Lab Sample ID: 240-17796-5

Lab Name: TestAmerica Canton

Job No.: 240-17796-1

SDG ID.:

Matrix: Solid

Date Sampled: 11/15/2012 09:20

Reporting Basis: WET

Date Received: 11/16/2012 18:42

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Hg	0.027	0.094	0.031	0.013	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 076SB-0027M-0001-SO

Lab Sample ID: 240-17796-6

Lab Name: TestAmerica Canton

Job No.: 240-17796-1

SDG ID.:

Matrix: Solid

Date Sampled: 11/15/2012 09:40

Reporting Basis: WET

Date Received: 11/16/2012 18:42

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Hg	0.042	0.097	0.032	0.014	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 076SB-0028M-0001-SO

Lab Sample ID: 240-17796-7

Lab Name: TestAmerica Canton

Job No.: 240-17796-1

SDG ID.:

Matrix: Solid

Date Sampled: 11/15/2012 10:00

Reporting Basis: WET

Date Received: 11/16/2012 18:42

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Hg	0.026	0.10	0.033	0.014	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 076SB-0029M-0001-SO Lab Sample ID: 240-17796-8
Lab Name: TestAmerica Canton Job No.: 240-17796-1
SDG ID.:
Matrix: Solid Date Sampled: 11/15/2012 12:25
Reporting Basis: WET Date Received: 11/16/2012 18:42

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Hg	0.036	0.094	0.031	0.013	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 076SB-0053M-0001-SO

Lab Sample ID: 240-17796-9

Lab Name: TestAmerica Canton

Job No.: 240-17796-1

SDG ID.:

Matrix: Solid

Date Sampled: 11/15/2012 15:55

Reporting Basis: WET

Date Received: 11/16/2012 18:42

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Hg	0.027	0.098	0.032	0.014	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 076SS-0007M-0001-SO Lab Sample ID: 240-17796-10
Lab Name: TestAmerica Canton Job No.: 240-17796-1
SDG ID.:
Matrix: Solid Date Sampled: 11/15/2012 15:45
Reporting Basis: WET Date Received: 11/16/2012 18:42

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Hg	0.045	0.095	0.031	0.013	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 076SB-0054M-0001-SO Lab Sample ID: 240-17796-11
Lab Name: TestAmerica Canton Job No.: 240-17796-1
SDG ID.:
Matrix: Solid Date Sampled: 11/15/2012 15:55
Reporting Basis: WET Date Received: 11/16/2012 18:42

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Hg	0.016	0.094	0.031	0.013	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 076SB-0055M-0001-SO Lab Sample ID: 240-17796-12
Lab Name: TestAmerica Canton Job No.: 240-17796-1
SDG ID.:
Matrix: Solid Date Sampled: 11/15/2012 13:45
Reporting Basis: WET Date Received: 11/16/2012 18:42

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Hg	0.017	0.095	0.031	0.013	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 076SB-0056M-0001-SO Lab Sample ID: 240-17796-13
Lab Name: TestAmerica Canton Job No.: 240-17796-1
SDG ID.:
Matrix: Solid Date Sampled: 11/15/2012 14:10
Reporting Basis: WET Date Received: 11/16/2012 18:42

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Hg	0.021	0.094	0.031	0.013	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 076SB-0057M-0001-SO

Lab Sample ID: 240-17796-14

Lab Name: TestAmerica Canton

Job No.: 240-17796-1

SDG ID.:

Matrix: Solid

Date Sampled: 11/15/2012 14:40

Reporting Basis: WET

Date Received: 11/16/2012 18:42

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Hg	0.021	0.092	0.030	0.013	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 076SB-0058M-0001-SO Lab Sample ID: 240-17796-15
Lab Name: TestAmerica Canton Job No.: 240-17796-1
SDG ID.:
Matrix: Solid Date Sampled: 11/15/2012 15:30
Reporting Basis: WET Date Received: 11/16/2012 18:42

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Hg	0.014	0.097	0.032	0.014	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 076SB-0059M-0001-SO

Lab Sample ID: 240-17796-16

Lab Name: TestAmerica Canton

Job No.: 240-17796-1

SDG ID.:

Matrix: Solid

Date Sampled: 11/15/2012 16:00

Reporting Basis: WET

Date Received: 11/16/2012 18:42

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Hg	0.018	0.097	0.032	0.014	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 076-0067-0001-ER

Lab Sample ID: 240-17796-20

Lab Name: TestAmerica Canton

Job No.: 240-17796-1

SDG ID.:

Matrix: Water

Date Sampled: 11/15/2012 13:00

Reporting Basis: WET

Date Received: 11/16/2012 18:42

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.20	0.20	0.20	0.12	ug/L	U		1	7470A/DO D

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TOTAL RECOVERABLE

Client Sample ID: 076-0067-0001-ER

Lab Sample ID: 240-17796-20

Lab Name: TestAmerica Canton

Job No.: 240-17796-1

SDG ID.:

Matrix: Water

Date Sampled: 11/15/2012 13:00

Reporting Basis: WET

Date Received: 11/16/2012 18:42

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Aluminum	60	60	60	20	ug/L	U		1	6020/DOD
Antimony	0.34	2.0	0.50	0.21	ug/L	J		1	6020/DOD
Arsenic	1.0	5.0	1.0	0.44	ug/L	U		1	6020/DOD
Barium	4.0	5.0	4.0	1.6	ug/L	U		1	6020/DOD
Beryllium	0.50	1.0	0.50	0.50	ug/L	U		1	6020/DOD
Cadmium	0.40	2.0	0.40	0.40	ug/L	U		1	6020/DOD
Calcium	1000	2000	1000	540	ug/L	U		1	6020/DOD
Chromium	0.60	2.0	1.5	0.53	ug/L	J		1	6020/DOD
Cobalt	0.20	1.0	0.20	0.20	ug/L	U		1	6020/DOD
Copper	4.0	4.0	4.0	1.4	ug/L	U		1	6020/DOD
Iron	100	150	100	44	ug/L	U		1	6020/DOD
Lead	0.50	1.0	0.50	0.20	ug/L	U		1	6020/DOD
Magnesium	300	1000	300	120	ug/L	U		1	6020/DOD
Manganese	3.5	5.0	3.0	1.1	ug/L	J		1	6020/DOD
Nickel	20	5.0	1.5	0.62	ug/L			1	6020/DOD
Potassium	50	1000	50	16	ug/L	U		1	6020/DOD
Selenium	0.50	5.0	0.50	0.20	ug/L	U		1	6020/DOD
Silver	0.25	1.0	0.25	0.080	ug/L	U		1	6020/DOD
Sodium	400	1000	400	160	ug/L	U		1	6020/DOD
Thallium	0.75	2.0	1.0	0.32	ug/L	J		1	6020/DOD
Vanadium	1.5	5.0	1.5	0.51	ug/L	U		1	6020/DOD
Zinc	10	40	20	8.8	ug/L	J		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 076SB-0060M-0001-SO Lab Sample ID: 240-17796-22
Lab Name: TestAmerica Canton Job No.: 240-17796-1
SDG ID.:
Matrix: Solid Date Sampled: 11/15/2012 17:35
Reporting Basis: WET Date Received: 11/16/2012 18:42

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Hg	0.026	0.097	0.032	0.014	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 076SB-0061M-0001-SO Lab Sample ID: 240-17796-23
Lab Name: TestAmerica Canton Job No.: 240-17796-1
SDG ID.:
Matrix: Solid Date Sampled: 11/15/2012 17:35
Reporting Basis: WET Date Received: 11/16/2012 18:42

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Hg	0.017	0.10	0.033	0.014	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 076SB-0062M-0001-SO

Lab Sample ID: 240-17796-24

Lab Name: TestAmerica Canton

Job No.: 240-17796-1

SDG ID.:

Matrix: Solid

Date Sampled: 11/15/2012 17:05

Reporting Basis: WET

Date Received: 11/16/2012 18:42

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Hg	0.028	0.097	0.032	0.014	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 076SB-0063M-0001-SO Lab Sample ID: 240-17796-25
Lab Name: TestAmerica Canton Job No.: 240-17796-1
SDG ID.:
Matrix: Solid Date Sampled: 11/15/2012 17:15
Reporting Basis: WET Date Received: 11/16/2012 18:42

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Hg	0.024	0.10	0.033	0.014	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 076SB-0064M-0001-SO

Lab Sample ID: 240-17796-26

Lab Name: TestAmerica Canton

Job No.: 240-17796-1

SDG ID.:

Matrix: Solid

Date Sampled: 11/15/2012 17:25

Reporting Basis: WET

Date Received: 11/16/2012 18:42

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Hg	0.023	0.12	0.038	0.016	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 076SB-0065M-0001-SO Lab Sample ID: 240-17796-27
Lab Name: TestAmerica Canton Job No.: 240-17796-1
SDG ID.:
Matrix: Solid Date Sampled: 11/15/2012 17:40
Reporting Basis: WET Date Received: 11/16/2012 18:42

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Hg	0.027	0.098	0.032	0.014	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 076SB-0066M-0001-SO Lab Sample ID: 240-17796-28
Lab Name: TestAmerica Canton Job No.: 240-17796-1
SDG ID.:
Matrix: Solid Date Sampled: 11/15/2012 16:50
Reporting Basis: WET Date Received: 11/16/2012 18:42

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Hg	0.043	0.097	0.032	0.014	mg/Kg	J		1	7471/DOD

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.: _____

ICV Source: MTMSICVW_00017 Concentration Units: ug/L

CCV Source: MTMSCAL2CCVW_00054

Analyte	ICV 240-68088/5 12/10/2012 09:08				CCV 240-68088/15 12/10/2012 10:10				CCV 240-68088/20 12/10/2012 10:42			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	399		400	100	527		500	105	530		500	106
Antimony	82.1		80.0	103	101		100	101	101		100	101
Arsenic	81.0		80.0	101	101		100	101	102		100	102
Barium	80.5		80.0	101	101		100	101	101		100	101
Beryllium	81.9		80.0	102	100		100	100	101		100	101
Cadmium	83.0		80.0	104	104		100	104	104		100	104
Calcium	40500		40000	101	51100		50000	102	51000		50000	102
Chromium	81.5		80.0	102	102		100	102	102		100	102
Cobalt	81.0		80.0	101	102		100	102	103		100	103
Copper	83.4		80.0	104	105		100	105	105		100	105
Iron	20300		20000	102	25800		25000	103	25600		25000	102
Lead	83.8		80.0	105	105		100	105	105		100	105
Magnesium	40600		40000	101	51900		50000	104	51300		50000	103
Manganese	413		400	103	517		500	103	517		500	103
Nickel	82.4		80.0	103	103		100	103	104		100	104
Potassium	40300		40000	101	51400		50000	103	50500		50000	101
Selenium	81.0		80.0	101	100		100	100	101		100	101
Silver	83.4		80.0	104	105		100	105	104		100	104
Sodium	40600		40000	102	52000		50000	104	51600		50000	103
Thallium	82.3		80.0	103	103		100	103	104		100	104
Vanadium	80.0		80.0	100	99.5		100	99	99.9		100	100
Zinc	84.8		80.0	106	105		100	105	105		100	105

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.: _____

ICV Source: MTHGICVW_00435 Concentration Units: ug/L

CCV Source: MTHGCALW_00283

Analyte	ICV 240-66340/7-A 11/27/2012 10:32				CCVL 240-66340/10-A 11/27/2012 11:33				CCV 240-66340/11-A 11/27/2012 15:24			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	2.38		2.50	95	4.99		5.00	100	5.14		5.00	103

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.: _____

ICV Source: MTHGICVW_00435 Concentration Units: ug/L

CCV Source: MTHGCALW_00283

Analyte	CCV 240-66340/11-A 11/27/2012 15:52				CCV 240-66340/11-A 11/27/2012 16:21				CCV 240-66340/11-A 11/27/2012 16:50			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	5.17		5.00	103	5.13		5.00	103	5.12		5.00	102

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.: _____

ICV Source: MTHGICVW_00439 Concentration Units: ug/L

CCV Source: MTHGCALW_00286

Analyte	ICV 240-66945/7-A 11/30/2012 13:36				CCV 240-66945/10-A 11/30/2012 16:08				CCV 240-66945/10-A 11/30/2012 16:25			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Hg	2.46		2.50	98	4.98		5.00	100	5.02		5.00	100

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.: _____

ICV Source: MTHGICVW_00439 Concentration Units: ug/L

CCV Source: MTHGCALW_00286

Analyte	CCV 240-66945/10-A 11/30/2012 16:41				CCV 240-66945/10-A 11/30/2012 16:58				CCV 240-66945/10-A 11/30/2012 17:16			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Hg	5.00		5.00	100	4.94		5.00	99	4.94		5.00	99

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-17796-1
 SDG No.: _____
 Method: 6020/DOD Instrument ID: I8
 Lab Sample ID: CRI 240-68088/7 Concentration Units: ug/L
 CRQL Check Standard Source: MTMSCRIW_00028

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	50.0	47.9	J	96	70-130
Antimony	2.00	2.06		103	70-130
Arsenic	2.00	1.90	J	95	70-130
Barium	1.00	3.0	U	108	70-130
Beryllium	1.00	1.08		108	70-130
Cadmium	0.500	0.517	J	103	70-130
Calcium	1000	1000	J	100	70-130
Chromium	2.00	2.04		102	70-130
Cobalt	1.00	1.05		105	70-130
Copper	2.00	2.31	J	116	70-130
Iron	50.0	60.6	J	121	70-130
Lead	1.00	1.13		113	70-130
Magnesium	1000	1100		110	70-130
Manganese	1.00	1.17	J	117	70-130
Nickel	2.00	2.05	J	103	70-130
Potassium	1000	1010		101	70-130
Selenium	2.00	1.94	J	97	70-130
Silver	0.500	0.602	J	120	70-130
Sodium	1000	1010		101	70-130
Thallium	1.00	1.19	J	119	70-130
Vanadium	5.00	5.01		100	70-130
Zinc	10.0	11.0	J	110	70-130

Lab Sample ID: CRI 240-68088/42 Concentration Units: ug/L
 CRQL Check Standard Source: MTMSCRIW_00028

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	50.0	47.3	J	95	70-130
Antimony	2.00	2.09		104	70-130
Arsenic	2.00	1.96	J	98	70-130
Barium	1.00	3.0	U	101	70-130
Beryllium	1.00	1.02		102	70-130
Cadmium	0.500	0.517	J	103	70-130
Calcium	1000	990	J	99	70-130
Chromium	2.00	2.02		101	70-130

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-17796-1
 SDG No.: _____
 Method: 6020/DOD Instrument ID: I8
 Lab Sample ID: CRI 240-68088/42 Concentration Units: ug/L
 CRQL Check Standard Source: MTMSCRIW_00028

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Cobalt	1.00	1.07		107	70-130
Copper	2.00	2.22	J	111	70-130
Iron	50.0	59.2	J	118	70-130
Lead	1.00	1.12		112	70-130
Magnesium	1000	1080		108	70-130
Manganese	1.00	1.11	J	111	70-130
Nickel	2.00	2.08	J	104	70-130
Potassium	1000	1030		103	70-130
Selenium	2.00	1.92	J	96	70-130
Silver	0.500	0.574	J	115	70-130
Sodium	1000	1010		101	70-130
Thallium	1.00	1.12	J	112	70-130
Vanadium	5.00	4.84	J	97	70-130
Zinc	10.0	10.6	J	106	70-130

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-17796-1
SDG No.: _____
Method: 7470A/DOD Instrument ID: H1
Lab Sample ID: CRA 240-66340/9-A Concentration Units: ug/L
CRQL Check Standard Source: MTHGCALW_00283

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.166	J	83	

Lab Sample ID: CRA 240-66340/9-A Concentration Units: ug/L
CRQL Check Standard Source: MTHGCALW_00283

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.144	J	72	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-17796-1
SDG No.: _____
Method: 7471/DOD Instrument ID: H1
Lab Sample ID: CRA 240-66945/9-A Concentration Units: ug/L
CRQL Check Standard Source: MTHGCALW_00286

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Hg	0.200	0.235		118	

Lab Sample ID: CRA 240-66945/9-A Concentration Units: ug/L
CRQL Check Standard Source: MTHGCALW_00286

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Hg	0.200	0.220		110	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 240-68088/6 12/10/2012 09:15		CCB 240-68088/16 12/10/2012 10:17		CCB 240-68088/21 12/10/2012 10:49			
		Found	C	Found	C	Found	C	Found	C
Aluminum	60	40	U	40	U	40	U		
Antimony	2.0	0.50	U	0.50	U	0.50	U		
Arsenic	5.0	1.0	U	1.0	U	1.0	U		
Barium	5.0	3.0	U	3.0	U	3.0	U		
Beryllium	1.0	0.0450	J	0.0670	J	0.0810	J		
Cadmium	2.0	0.0380	J	0.0620	J	0.0820	J		
Calcium	2000	1000	U	1000	U	1000	U		
Chromium	2.0	1.5	U	1.5	U	1.5	U		
Cobalt	1.0	0.0400	J	0.0700	J	0.123	J		
Copper	4.0	3.0	U	3.0	U	3.0	U		
Iron	150	100	U	100	U	100	U		
Lead	1.0	0.272	J	0.278	J	0.353	J		
Magnesium	1000	250	U	250	U	250	U		
Manganese	5.0	3.0	U	3.0	U	3.0	U		
Nickel	5.0	1.5	U	1.5	U	1.5	U		
Potassium	1000	50	U	17.2	J	23.4	J		
Selenium	5.0	0.50	U	0.50	U	0.50	U		
Silver	1.0	0.25	U	0.25	U	0.25	U		
Sodium	1000	400	U	400	U	400	U		
Thallium	2.0	0.419	J	0.566	J	0.614	J		
Vanadium	5.0	1.0	U	1.0	U	1.0	U		
Zinc	40	20	U	20	U	20	U		

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 240-66340/8-A 11/27/2012 10:34		CCB 240-66340/12-A 11/27/2012 15:27		CCB 240-66340/12-A 11/27/2012 15:55		CCB 240-66340/12-A 11/27/2012 16:23	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.20	U	0.20	U	0.20	U	0.20	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	CCB 240-66340/12-A 11/27/2012 16:52							
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.20	U						

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 240-66945/8-A 11/30/2012 13:37		CCB 240-66945/11-A 11/30/2012 16:09		CCB 240-66945/11-A 11/30/2012 16:26		CCB 240-66945/11-A 11/30/2012 16:43	
		Found	C	Found	C	Found	C	Found	C
Hg	0.20	0.20	U	0.20	U	0.20	U	0.20	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	CCB 240-66945/11-A 11/30/2012 17:00		CCB 240-66945/11-A 11/30/2012 17:17					
		Found	C	Found	C	Found	C	Found	C
Hg	0.20	0.20	U	0.20	U				

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS - TOTAL RECOVERABLE

Lab Name: TestAmerica Canton Job No.: 240-17796-1
 SDG No.: _____
 Concentration Units: ug/L Lab Sample ID: MB 240-66568/1-A
 Instrument Code: I8 Batch No.: 68088

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	60	U		6020_DoD
7440-36-0	Antimony	0.50	U		6020_DoD
7440-38-2	Arsenic	1.0	U		6020_DoD
7440-39-3	Barium	4.0	U		6020_DoD
7440-41-7	Beryllium	0.50	U		6020_DoD
7440-43-9	Cadmium	0.40	U		6020_DoD
7440-70-2	Calcium	1000	U		6020_DoD
7440-47-3	Chromium	1.5	U		6020_DoD
7440-48-4	Cobalt	0.20	U		6020_DoD
7440-50-8	Copper	4.0	U		6020_DoD
7439-89-6	Iron	100	U		6020_DoD
7439-92-1	Lead	0.50	U		6020_DoD
7439-95-4	Magnesium	300	U		6020_DoD
7439-96-5	Manganese	3.0	U		6020_DoD
7440-02-0	Nickel	1.5	U		6020_DoD
7440-09-7	Potassium	50	U		6020_DoD
7782-49-2	Selenium	0.50	U		6020_DoD
7440-22-4	Silver	0.25	U		6020_DoD
7440-23-5	Sodium	400	U		6020_DoD
7440-28-0	Thallium	0.326	J		6020_DoD
7440-62-2	Vanadium	1.5	U		6020_DoD
7440-66-6	Zinc	20	U		6020_DoD

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.: _____

Concentration Units: ug/L Lab Sample ID: MB 240-66219/1-A

Instrument Code: H1 Batch No.: 66485

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.20	U		7470_DOD

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.: _____

Concentration Units: mg/Kg Lab Sample ID: MB 240-66416/1-A

Instrument Code: H1 Batch No.: 67078

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Hg	0.033	U		7471_DOD

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.: _____

Concentration Units: mg/Kg Lab Sample ID: MB 240-66624/1-A

Instrument Code: H1 Batch No.: 67078

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Hg	0.033	U		7471_DOD

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-17796-1
 SDG No.: _____
 Lab Sample ID: ICSA 240-68088/8 Instrument ID: I8
 Lab File ID: I8121012A.csv ICS Source: MTMSICSAW_00020
 Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	50000	49820	100
Antimony		0.170	
Arsenic		0.131	
Barium		0.0290	
Beryllium		0.0020	
Cadmium		-0.0220	
Calcium	50000	51120	102
Chromium		0.562	
Cobalt		0.0400	
Copper		0.202	
Iron	50000	50240	100
Lead		0.155	
Magnesium	50000	50070	100
Manganese		0.0680	
Nickel		0.309	
Potassium	50000	50330	101
Selenium		-0.0310	
Silver		0.0400	
Sodium	50000	50500	101
Thallium		0.168	
Vanadium		0.0670	
Zinc		0.849	
<i>Boron</i>		<i>-4.10</i>	
<i>Molybdenum</i>	<i>1000</i>	<i>1003</i>	<i>100</i>
<i>Strontium</i>		<i>0.0990</i>	
<i>Tin</i>		<i>0.0860</i>	

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-17796-1
 SDG No.: _____
 Lab Sample ID: ICSAB 240-68088/9 Instrument ID: I8
 Lab File ID: I8121012A.csv ICS Source: MTMSICSABW_00019
 Concentration Units: ug/L

Analyte	True	Found	
	Solution AB	Solution AB	Percent Recovery
Aluminum	50000	49930	100
Antimony	100	102	102
Arsenic	100	100	100
Barium	100	103	103
Beryllium	100	101	101
Cadmium	100	103	103
Calcium	50000	51260	103
Chromium	100	102	102
Cobalt	100	101	101
Copper	100	103	103
Iron	50000	50950	102
Lead	100	106	106
Magnesium	50000	50110	100
Manganese	100	100	100
Nickel	100	103	103
Potassium	50000	51050	102
Selenium	100	100	100
Silver	100	103	103
Sodium	50000	50500	101
Thallium	100	103	103
Vanadium	100	99.3	99
Zinc	100	105	105
<i>Boron</i>	<i>100</i>	<i>92.9</i>	<i>93</i>
<i>Molybdenum</i>	<i>1100</i>	<i>1122</i>	<i>102</i>
<i>Strontium</i>	<i>100</i>	<i>97.0</i>	<i>97</i>
<i>Tin</i>	<i>100</i>	<i>102</i>	<i>102</i>

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: 076SB-0023M-0001-SO MS

Lab ID: 240-17796-1 MS

Lab Name: TestAmerica Canton

Job No.: 240-17796-1

SDG No.:

Matrix: Solid

Concentration Units: mg/Kg

% Solids:

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA) J	%R	Control Limit %R	Q	Method
Hg	0.194	0.033	0.164	98	80-120		7471/DOD

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: 076SB-0064M-0001-SO MS

Lab ID: 240-17796-26 MS

Lab Name: TestAmerica Canton

Job No.: 240-17796-1

SDG No.:

Matrix: Solid

Concentration Units: mg/Kg

% Solids:

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA) J	%R	Control Limit %R	Q	Method
Hg	0.190	0.023	0.192	87	80-120		7471/DOD

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

6-IN
DUPLICATES
METALS

Client ID: 076SB-0023M-0001-SO DU

Lab ID: 240-17796-1 DU

Lab Name: TestAmerica Canton

Job No.: 240-17796-1

SDG No.: _____

% Solids for Sample: _____

% Solids for Duplicate: _____

Matrix: Solid

Concentration Units: mg/Kg

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Hg	0.098	0.033 J	0.0383 J	16		7471/DOD

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VI-IN

6-IN
DUPLICATES
METALS

Client ID: 076SB-0064M-0001-SO DU

Lab ID: 240-17796-26 DU

Lab Name: TestAmerica Canton

Job No.: 240-17796-1

SDG No.:

% Solids for Sample:

% Solids for Duplicate:

Matrix: Solid

Concentration Units: mg/Kg

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Hg	0.12	0.023 J	0.0283 J	21		7471/DOD

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VI-IN

7A-IN
LAB CONTROL SAMPLE
METALS - TOTAL RECOVERABLE

Lab ID: LCS 240-66568/2-A

Lab Name: TestAmerica Canton

Job No.: 240-17796-1

Sample Matrix: Water

LCS Source: MTICPMS2_00009

Analyte	Water (ug/L)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	10000	9860		99	80	120		6020/DOD
Antimony	100	98.0		98	80	120		6020/DOD
Arsenic	1000	960		96	80	120		6020/DOD
Barium	1000	963		96	80	120		6020/DOD
Beryllium	1000	988		99	80	120		6020/DOD
Cadmium	1000	1010		101	80	120		6020/DOD
Calcium	10000	10200		102	80	120		6020/DOD
Chromium	1000	986		99	80	120		6020/DOD
Cobalt	1000	959		96	80	120		6020/DOD
Copper	1000	1020		102	80	120		6020/DOD
Iron	10000	9940		99	80	120		6020/DOD
Lead	1000	994		99	80	120		6020/DOD
Magnesium	10000	10300		103	80	120		6020/DOD
Manganese	1000	1020		102	80	120		6020/DOD
Nickel	1000	1010		101	80	120		6020/DOD
Potassium	10000	10000		100	80	120		6020/DOD
Selenium	1000	965		97	80	120		6020/DOD
Silver	100	105		105	80	120		6020/DOD
Sodium	10000	9830		98	80	120		6020/DOD
Thallium	250	229		91	80	120		6020/DOD
Vanadium	1000	942		94	80	120		6020/DOD
Zinc	1000	1030		103	80	120		6020/DOD

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 240-66219/2-A

Lab Name: TestAmerica Canton

Job No.: 240-17796-1

Sample Matrix: Water

LCS Source: MTHGICVW_00435

Analyte	Water (ug/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	5.00	5.11		102	80	120		7470A/DOD

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 240-66416/2-A

Lab Name: TestAmerica Canton

Job No.: 240-17796-1

Sample Matrix: Solid

LCS Source: MTHGICVW_00436

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Hg	0.833	0.768		92	80	120		7471/DOD

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 240-66624/2-A

Lab Name: TestAmerica Canton

Job No.: 240-17796-1

Sample Matrix: Solid

LCS Source: MTHGICVW_00437

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Hg	0.833	0.709		85	80	120		7471/DOD

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

9-IN
DETECTION LIMITS
METALS - TOTAL RECOVERABLE

Lab Name: TestAmerica Canton Job Number: 240-17796-1
 SDG Number: _____
 Matrix: Water Instrument ID: I8
 Method: 6020/DOD DL Date: 02/22/2010 11:04
 Prep Method: 3005A

Analyte	Wavelength/ Mass	LOQ (ug/L)	DL (ug/L)
Aluminum	27.00	60	20.2
Antimony	121.00	2	0.21
Arsenic	75.00	5	0.44
Barium	137.00	5	1.63
Beryllium	9.00	1	0.5
Cadmium	111.00	2	0.4
Calcium	43.00	2000	539
Chromium	52.00	2	0.53
Cobalt	59.00	1	0.2
Copper	65.00	4	1.36
Iron	56.00	150	43.7
Lead	208.00	1	0.2
Magnesium	25.00	1000	119
Manganese	55.00	5	1.05
Nickel	60.00	5	0.62
Potassium	39.00	1000	15.69
Selenium	78.00	5	0.199
Silver	107.00	1	0.08
Sodium	23.00	1000	162
Thallium	205.00	2	0.32
Vanadium	51.00	5	0.51
Zinc	66.00	40	8.84

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - TOTAL RECOVERABLE

Lab Name: TestAmerica Canton Job Number: 240-17796-1
SDG Number: _____
Matrix: Water Instrument ID: I8
Method: 6020/DOD XMDL Date: 02/22/2010 11:04

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Aluminum	27.00	60	20.2
Antimony	121.00	2	0.21
Arsenic	75.00	5	0.44
Barium	137.00	5	1.3
Beryllium	9.00	1	0.033
Cadmium	111.00	2	0.023
Calcium	43.00	2000	400.5
Chromium	52.00	2	0.53
Cobalt	59.00	1	0.03
Copper	65.00	4	1.1
Iron	56.00	150	43.7
Lead	208.00	1	0.2
Magnesium	25.00	1000	89
Manganese	55.00	5	1.05
Nickel	60.00	5	0.62
Potassium	39.00	1000	15.69
Selenium	78.00	5	0.199
Silver	107.00	1	0.08
Sodium	23.00	1000	140.1
Thallium	205.00	2	0.32
Vanadium	51.00	5	0.432
Zinc	66.00	40	8.84

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Canton Job Number: 240-17796-1
SDG Number: _____
Matrix: Water Instrument ID: H1
Method: 7470A/DOD DL Date: 02/16/2010 09:31
Prep Method: 7470A

Analyte	Wavelength/ Mass	LOQ (ug/L)	DL (ug/L)
Mercury	253.7	0.2	0.12

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Canton Job Number: 240-17796-1
SDG Number: _____
Matrix: Water Instrument ID: H1
Method: 7470A/DOD XMDL Date: 02/16/2010 09:31

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury	253.7	0.2	0.12

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Canton Job Number: 240-17796-1
SDG Number: _____
Matrix: Solid Instrument ID: H1
Method: 7471/DOD DL Date: 02/16/2010 09:46
Prep Method: 7471A
Leach Method: Increment, Prep

Analyte	Wavelength/ Mass	LOQ (mg/Kg)	DL (mg/Kg)
Hg	253.7	0.1	0.014

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Canton Job Number: 240-17796-1
SDG Number: _____
Matrix: Solid Instrument ID: H1
Method: 7471/DOD XMDL Date: 02/16/2010 09:47

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Hg	253.7	0.2	0.12

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Canton

Job No: 240-17796-1

SDG No.: _____

Instrument ID: I8

Date: 12/04/2012 16:25

Analyte	Integ. Time (Sec.)	Concentration (ppb)	Method
Aluminum		500000	6020/DOD
Antimony		2000	6020/DOD
Arsenic		10000	6020/DOD
Barium		10000	6020/DOD
Beryllium		10000	6020/DOD
Cadmium		10000	6020/DOD
Calcium		500000	6020/DOD
Chromium		10000	6020/DOD
Cobalt		10000	6020/DOD
Copper		10000	6020/DOD
Iron		500000	6020/DOD
Lead		10000	6020/DOD
Magnesium		500000	6020/DOD
Manganese		10000	6020/DOD
Nickel		10000	6020/DOD
Potassium		500000	6020/DOD
Selenium		10000	6020/DOD
Silver		2000	6020/DOD
Sodium		500000	6020/DOD
Thallium		10000	6020/DOD
Vanadium		10000	6020/DOD
Zinc		10000	6020/DOD

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Canton

Job No: 240-17796-1

SDG No.: _____

Instrument ID: H1

Date: 04/01/2011 10:45

Analyte	Integ. Time (Sec.)	Concentration (ppb)	Method
Mercury		10	7470A/DOD

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.: _____

Prep Method: 3005A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 240-66568/1-A	11/28/2012 09:45	66568		50	50
LCS 240-66568/2-A	11/28/2012 09:45	66568		50	50
240-17796-20	11/28/2012 09:45	66568		50	50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.: _____

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 240-66219/1-A	11/26/2012 15:25	66219		100	100
LCS 240-66219/2-A	11/26/2012 15:25	66219		100	100
240-17796-20	11/26/2012 15:25	66219		100	100

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.: _____

Prep Method: 7471A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 240-66416/1-A	11/27/2012 14:25	66416	0.60		100
LCS 240-66416/2-A	11/27/2012 14:25	66416	0.60		100
240-17796-1	11/27/2012 14:25	66416	0.61		100
240-17796-1 DU	11/27/2012 14:25	66416	0.61		100
240-17796-1 MS	11/27/2012 14:25	66416	0.61		100
240-17796-2	11/27/2012 14:25	66416	0.65		100
240-17796-3	11/27/2012 14:25	66416	0.61		100
240-17796-4	11/27/2012 14:25	66416	0.66		100
240-17796-5	11/27/2012 14:25	66416	0.64		100
240-17796-6	11/27/2012 14:25	66416	0.62		100
240-17796-7	11/27/2012 14:25	66416	0.60		100
240-17796-8	11/27/2012 14:25	66416	0.64		100
240-17796-9	11/27/2012 14:25	66416	0.61		100
240-17796-10	11/27/2012 14:25	66416	0.63		100
240-17796-11	11/27/2012 14:25	66416	0.64		100
240-17796-12	11/27/2012 14:25	66416	0.63		100
240-17796-13	11/27/2012 14:25	66416	0.64		100
240-17796-14	11/27/2012 14:25	66416	0.65		100
240-17796-15	11/27/2012 14:25	66416	0.62		100
240-17796-16	11/27/2012 14:25	66416	0.62		100
240-17796-22	11/27/2012 14:25	66416	0.62		100
240-17796-23	11/27/2012 14:25	66416	0.60		100
240-17796-24	11/27/2012 14:25	66416	0.62		100
240-17796-25	11/27/2012 14:25	66416	0.60		100

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.: _____

Prep Method: 7471A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 240-66624/1-A	11/28/2012 14:55	66624	0.60		100
LCS 240-66624/2-A	11/28/2012 14:55	66624	0.60		100
240-17796-26	11/28/2012 14:55	66624	0.52		100
240-17796-26 DU	11/28/2012 14:55	66624	0.52		100
240-17796-26 MS	11/28/2012 14:55	66624	0.52		100
240-17796-27	11/28/2012 14:55	66624	0.61		100
240-17796-28	11/28/2012 14:55	66624	0.62		100

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.: _____

Instrument ID: I8 Method: 6020/DOD

Start Date: 12/10/2012 08:43 End Date: 12/11/2012 04:50

Lab Sample ID	D / F	T y p e	Time	Analytes																			
				A g	A l	A s	B a	B e	C a	C d	C o	C r	C u	F e	K	M g	M n	N a	N i	P b	S b	S e	T l
ICIS 240-68088/1	1		08:43	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
STD2 240-68088/2 IC	1		08:48	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
STD3 240-68088/3 IC	1		08:55	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
STD4 240-68088/4 IC	1		09:03	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICV 240-68088/5	1		09:08	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB 240-68088/6	1		09:15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CRI 240-68088/7	1		09:20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSA 240-68088/8	1		09:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 240-68088/9	1		09:31	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 240-68088/10			09:38																				
CCB 240-68088/11			09:46																				
ZZZZZZ			09:51																				
ZZZZZZ			09:58																				
ZZZZZZ			10:05																				
CCV 240-68088/15	1		10:10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 240-68088/16	1		10:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MB 240-66568/1-A	1	R	10:22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCS 240-66568/2-A	1	R	10:27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-17796-20	1	R	10:35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 240-68088/20	1		10:42	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 240-68088/21	1		10:49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			10:54																				
ZZZZZZ			10:59																				
ZZZZZZ			11:06																				
ZZZZZZ			11:13																				
ZZZZZZ			11:18																				
ZZZZZZ			11:23																				
ZZZZZZ			11:30																				
ZZZZZZ			11:38																				
ZZZZZZ			11:43																				
ZZZZZZ			11:48																				
CCV 240-68088/32			11:55																				
CCB 240-68088/33			12:02																				
ZZZZZZ			12:09																				
ZZZZZZ			12:14																				
ZZZZZZ			12:19																				
ZZZZZZ			12:24																				
ZZZZZZ			12:29																				
CCV 240-68088/39			12:34																				
CCB 240-68088/40			12:41																				
ZZZZZZ			12:46																				
CRI 240-68088/42	1		12:52	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.: _____

Instrument ID: I8 Method: 6020/DOD

Start Date: 12/10/2012 08:43 End Date: 12/11/2012 04:50

Lab Sample ID	D / F	T y p e	Time	Analytes																		
				A g	A l	A s	B a	B e	C a	C d	C o	C r	C u	F e	K	M g	M n	N a	N i	P b	S b	S e
ZZZZZZ			12:57																			
CCV 240-68088/44			13:02																			
CCB 240-68088/45			13:09																			
ZZZZZZ			13:14																			
ZZZZZZ			13:19																			
ZZZZZZ			13:27																			
ZZZZZZ			13:34																			
ZZZZZZ			13:39																			
ZZZZZZ			13:46																			
ZZZZZZ			13:53																			
ZZZZZZ			14:00																			
ZZZZZZ			14:08																			
ZZZZZZ			14:15																			
CCV 240-68088/56			14:22																			
CCB 240-68088/57			14:29																			
ZZZZZZ			14:36																			
ZZZZZZ			14:41																			
ZZZZZZ			14:46																			
ZZZZZZ			14:51																			
ZZZZZZ			14:56																			
ZZZZZZ			15:01																			
ZZZZZZ			15:06																			
ZZZZZZ			15:11																			
CCV 240-68088/66			15:16																			
CCB 240-68088/67			15:23																			
ZZZZZZ			15:28																			
ZZZZZZ			15:33																			
ZZZZZZ			15:38																			
ZZZZZZ			15:43																			
ZZZZZZ			15:48																			
ZZZZZZ			15:53																			
ZZZZZZ			15:58																			
ZZZZZZ			16:03																			
ZZZZZZ			16:08																			
ZZZZZZ			16:13																			
CCV 240-68088/78			16:18																			
CCB 240-68088/79			16:25																			
ZZZZZZ			16:30																			
ZZZZZZ			16:37																			
ZZZZZZ			16:45																			
ZZZZZZ			16:50																			
ZZZZZZ			16:57																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.: _____

Instrument ID: I8 Method: 6020/DOD

Start Date: 12/10/2012 08:43 End Date: 12/11/2012 04:50

Lab Sample ID	D / F	T y p e	Time	Analytes																		
				A g	A l	A s	B a	B e	C a	C d	C o	C r	C u	F e	K	M g	M n	N a	N i	P b	S b	S e
ZZZZZZ			17:04																			
ZZZZZZ			17:11																			
ZZZZZZ			17:18																			
ZZZZZZ			17:26																			
ZZZZZZ			17:30																			
CCV 240-68088/90			17:38																			
CCB 240-68088/91			17:45																			
ZZZZZZ			17:52																			
ZZZZZZ			17:59																			
ZZZZZZ			18:06																			
ZZZZZZ			18:14																			
ZZZZZZ			18:19																			
ZZZZZZ			18:24																			
ZZZZZZ			18:29																			
ZZZZZZ			18:34																			
ZZZZZZ			18:39																			
ZZZZZZ			18:44																			
CCV 240-68088/102			18:48																			
CCB 240-68088/103			18:56																			
ZZZZZZ			19:01																			
ZZZZZZ			19:06																			
ZZZZZZ			19:11																			
ZZZZZZ			19:16																			
ZZZZZZ			19:21																			
ZZZZZZ			19:26																			
ZZZZZZ			19:31																			
ZZZZZZ			19:36																			
ZZZZZZ			19:43																			
ZZZZZZ			19:50																			
CCV 240-68088/114			19:55																			
CCB 240-68088/115			20:02																			
ICSA 240-68088/116			20:10																			
ICSAB 240-68088/117			20:14																			
CCV 240-68088/118			20:22																			
CCB 240-68088/119			20:29																			
ZZZZZZ			20:36																			
ZZZZZZ			20:43																			
ZZZZZZ			20:51																			
ZZZZZZ			20:58																			
ZZZZZZ			21:05																			
ZZZZZZ			21:10																			
CCV 240-68088/126			21:15																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.: _____

Instrument ID: I8 Method: 6020/DOD

Start Date: 12/10/2012 08:43 End Date: 12/11/2012 04:50

Lab Sample ID	D / F	T y p e	Time	Analytes																		
				A g	A l	A s	B a	B e	C a	C d	C o	C r	C u	F e	K	M g	M n	N a	N i	P b	S b	S e
CCB 240-68088/127			21:22																			
ZZZZZZ			21:29																			
ZZZZZZ			21:35																			
ZZZZZZ			21:40																			
ZZZZZZ			21:45																			
ZZZZZZ			21:50																			
ZZZZZZ			21:55																			
ZZZZZZ			22:00																			
ZZZZZZ			22:04																			
ZZZZZZ			22:09																			
ZZZZZZ			22:14																			
CCV 240-68088/138			22:19																			
CCB 240-68088/139			22:27																			
ZZZZZZ			22:32																			
ZZZZZZ			22:37																			
ZZZZZZ			22:42																			
ZZZZZZ			22:47																			
ZZZZZZ			22:52																			
CCV 240-68088/145			22:57																			
CCB 240-68088/146			23:04																			
ZZZZZZ			23:09																			
ZZZZZZ			23:14																			
ZZZZZZ			23:22																			
ZZZZZZ			23:29																			
ZZZZZZ			23:34																			
ZZZZZZ			23:39																			
CCV 240-68088/153			23:44																			
CCB 240-68088/154			23:51																			
ZZZZZZ			23:56																			
ZZZZZZ			00:01																			
ZZZZZZ			00:09																			
ZZZZZZ			00:14																			
ZZZZZZ			00:19																			
ZZZZZZ			00:26																			
ZZZZZZ			00:33																			
ZZZZZZ			00:40																			
ZZZZZZ			00:45																			
ZZZZZZ			00:50																			
CCV 240-68088/165			00:56																			
CCB 240-68088/166			01:03																			
ZZZZZZ			01:08																			
ZZZZZZ			01:13																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.: _____

Instrument ID: I8 Method: 6020/DOD

Start Date: 12/10/2012 08:43 End Date: 12/11/2012 04:50

Lab Sample ID	D / F	T y p e	Time	Analytes																		
				A g	A l	A s	B a	B e	C a	C d	C o	C r	C u	F e	K	M g	M n	N a	N i	P b	S b	S e
ZZZZZZ			01:18																			
ZZZZZZ			01:23																			
ZZZZZZ			01:28																			
ZZZZZZ			01:33																			
ZZZZZZ			01:38																			
ZZZZZZ			01:43																			
ZZZZZZ			01:48																			
ZZZZZZ			01:53																			
CCV 240-68088/177			01:58																			
CCB 240-68088/178			02:05																			
ZZZZZZ			02:10																			
ZZZZZZ			02:15																			
ZZZZZZ			02:20																			
ZZZZZZ			02:25																			
ZZZZZZ			02:33																			
ZZZZZZ			02:38																			
ZZZZZZ			02:43																			
ZZZZZZ			02:50																			
ZZZZZZ			02:57																			
ZZZZZZ			03:03																			
CCV 240-68088/189			03:08																			
CCB 240-68088/190			03:15																			
ZZZZZZ			03:20																			
ZZZZZZ			03:25																			
ZZZZZZ			03:30																			
ZZZZZZ			03:35																			
ZZZZZZ			03:40																			
ZZZZZZ			03:45																			
ZZZZZZ			03:50																			
ZZZZZZ			03:55																			
ZZZZZZ			04:00																			
ZZZZZZ			04:05																			
CCV 240-68088/201			04:10																			
CCB 240-68088/202			04:18																			
ZZZZZZ			04:23																			
ZZZZZZ			04:28																			
ZZZZZZ			04:33																			
ZZZZZZ			04:38																			
CCV 240-68088/207			04:43																			
CCB 240-68088/208			04:50																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.: _____

Instrument ID: I8 Method: 6020/DOD

Start Date: 12/10/2012 08:43 End Date: 12/11/2012 04:50

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ICIS 240-68088/1	1		08:43	X	X																
STD2 240-68088/2 IC	1		08:48	X	X																
STD3 240-68088/3 IC	1		08:55	X	X																
STD4 240-68088/4 IC	1		09:03	X	X																
ICV 240-68088/5	1		09:08	X	X																
ICB 240-68088/6	1		09:15	X	X																
CRI 240-68088/7	1		09:20	X	X																
ICSA 240-68088/8	1		09:26	X	X																
ICSAB 240-68088/9	1		09:31	X	X																
CCV 240-68088/10			09:38																		
CCB 240-68088/11			09:46																		
ZZZZZZ			09:51																		
ZZZZZZ			09:58																		
ZZZZZZ			10:05																		
CCV 240-68088/15	1		10:10	X	X																
CCB 240-68088/16	1		10:17	X	X																
MB 240-66568/1-A	1	R	10:22	X	X																
LCS 240-66568/2-A	1	R	10:27	X	X																
240-17796-20	1	R	10:35	X	X																
CCV 240-68088/20	1		10:42	X	X																
CCB 240-68088/21	1		10:49	X	X																
ZZZZZZ			10:54																		
ZZZZZZ			10:59																		
ZZZZZZ			11:06																		
ZZZZZZ			11:13																		
ZZZZZZ			11:18																		
ZZZZZZ			11:23																		
ZZZZZZ			11:30																		
ZZZZZZ			11:38																		
ZZZZZZ			11:43																		
ZZZZZZ			11:48																		
CCV 240-68088/32			11:55																		
CCB 240-68088/33			12:02																		
ZZZZZZ			12:09																		
ZZZZZZ			12:14																		
ZZZZZZ			12:19																		
ZZZZZZ			12:24																		
ZZZZZZ			12:29																		
CCV 240-68088/39			12:34																		
CCB 240-68088/40			12:41																		
ZZZZZZ			12:46																		
CRI 240-68088/42	1		12:52	X	X																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.: _____

Instrument ID: I8 Method: 6020/DOD

Start Date: 12/10/2012 08:43 End Date: 12/11/2012 04:50

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ZZZZZZ			12:57																		
CCV 240-68088/44			13:02																		
CCB 240-68088/45			13:09																		
ZZZZZZ			13:14																		
ZZZZZZ			13:19																		
ZZZZZZ			13:27																		
ZZZZZZ			13:34																		
ZZZZZZ			13:39																		
ZZZZZZ			13:46																		
ZZZZZZ			13:53																		
ZZZZZZ			14:00																		
ZZZZZZ			14:08																		
ZZZZZZ			14:15																		
CCV 240-68088/56			14:22																		
CCB 240-68088/57			14:29																		
ZZZZZZ			14:36																		
ZZZZZZ			14:41																		
ZZZZZZ			14:46																		
ZZZZZZ			14:51																		
ZZZZZZ			14:56																		
ZZZZZZ			15:01																		
ZZZZZZ			15:06																		
ZZZZZZ			15:11																		
CCV 240-68088/66			15:16																		
CCB 240-68088/67			15:23																		
ZZZZZZ			15:28																		
ZZZZZZ			15:33																		
ZZZZZZ			15:38																		
ZZZZZZ			15:43																		
ZZZZZZ			15:48																		
ZZZZZZ			15:53																		
ZZZZZZ			15:58																		
ZZZZZZ			16:03																		
ZZZZZZ			16:08																		
ZZZZZZ			16:13																		
CCV 240-68088/78			16:18																		
CCB 240-68088/79			16:25																		
ZZZZZZ			16:30																		
ZZZZZZ			16:37																		
ZZZZZZ			16:45																		
ZZZZZZ			16:50																		
ZZZZZZ			16:57																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.: _____

Instrument ID: I8 Method: 6020/DOD

Start Date: 12/10/2012 08:43 End Date: 12/11/2012 04:50

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ZZZZZZ			17:04																		
ZZZZZZ			17:11																		
ZZZZZZ			17:18																		
ZZZZZZ			17:26																		
ZZZZZZ			17:30																		
CCV 240-68088/90			17:38																		
CCB 240-68088/91			17:45																		
ZZZZZZ			17:52																		
ZZZZZZ			17:59																		
ZZZZZZ			18:06																		
ZZZZZZ			18:14																		
ZZZZZZ			18:19																		
ZZZZZZ			18:24																		
ZZZZZZ			18:29																		
ZZZZZZ			18:34																		
ZZZZZZ			18:39																		
ZZZZZZ			18:44																		
CCV 240-68088/102			18:48																		
CCB 240-68088/103			18:56																		
ZZZZZZ			19:01																		
ZZZZZZ			19:06																		
ZZZZZZ			19:11																		
ZZZZZZ			19:16																		
ZZZZZZ			19:21																		
ZZZZZZ			19:26																		
ZZZZZZ			19:31																		
ZZZZZZ			19:36																		
ZZZZZZ			19:43																		
ZZZZZZ			19:50																		
CCV 240-68088/114			19:55																		
CCB 240-68088/115			20:02																		
ICSA 240-68088/116			20:10																		
ICSAB 240-68088/117			20:14																		
CCV 240-68088/118			20:22																		
CCB 240-68088/119			20:29																		
ZZZZZZ			20:36																		
ZZZZZZ			20:43																		
ZZZZZZ			20:51																		
ZZZZZZ			20:58																		
ZZZZZZ			21:05																		
ZZZZZZ			21:10																		
CCV 240-68088/126			21:15																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.: _____

Instrument ID: I8 Method: 6020/DOD

Start Date: 12/10/2012 08:43 End Date: 12/11/2012 04:50

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
CCB 240-68088/127			21:22																		
ZZZZZZ			21:29																		
ZZZZZZ			21:35																		
ZZZZZZ			21:40																		
ZZZZZZ			21:45																		
ZZZZZZ			21:50																		
ZZZZZZ			21:55																		
ZZZZZZ			22:00																		
ZZZZZZ			22:04																		
ZZZZZZ			22:09																		
ZZZZZZ			22:14																		
CCV 240-68088/138			22:19																		
CCB 240-68088/139			22:27																		
ZZZZZZ			22:32																		
ZZZZZZ			22:37																		
ZZZZZZ			22:42																		
ZZZZZZ			22:47																		
ZZZZZZ			22:52																		
CCV 240-68088/145			22:57																		
CCB 240-68088/146			23:04																		
ZZZZZZ			23:09																		
ZZZZZZ			23:14																		
ZZZZZZ			23:22																		
ZZZZZZ			23:29																		
ZZZZZZ			23:34																		
ZZZZZZ			23:39																		
CCV 240-68088/153			23:44																		
CCB 240-68088/154			23:51																		
ZZZZZZ			23:56																		
ZZZZZZ			00:01																		
ZZZZZZ			00:09																		
ZZZZZZ			00:14																		
ZZZZZZ			00:19																		
ZZZZZZ			00:26																		
ZZZZZZ			00:33																		
ZZZZZZ			00:40																		
ZZZZZZ			00:45																		
ZZZZZZ			00:50																		
CCV 240-68088/165			00:56																		
CCB 240-68088/166			01:03																		
ZZZZZZ			01:08																		
ZZZZZZ			01:13																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.: _____

Instrument ID: I8 Method: 6020/DOD

Start Date: 12/10/2012 08:43 End Date: 12/11/2012 04:50

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ZZZZZZ			01:18																		
ZZZZZZ			01:23																		
ZZZZZZ			01:28																		
ZZZZZZ			01:33																		
ZZZZZZ			01:38																		
ZZZZZZ			01:43																		
ZZZZZZ			01:48																		
ZZZZZZ			01:53																		
CCV 240-68088/177			01:58																		
CCB 240-68088/178			02:05																		
ZZZZZZ			02:10																		
ZZZZZZ			02:15																		
ZZZZZZ			02:20																		
ZZZZZZ			02:25																		
ZZZZZZ			02:33																		
ZZZZZZ			02:38																		
ZZZZZZ			02:43																		
ZZZZZZ			02:50																		
ZZZZZZ			02:57																		
ZZZZZZ			03:03																		
CCV 240-68088/189			03:08																		
CCB 240-68088/190			03:15																		
ZZZZZZ			03:20																		
ZZZZZZ			03:25																		
ZZZZZZ			03:30																		
ZZZZZZ			03:35																		
ZZZZZZ			03:40																		
ZZZZZZ			03:45																		
ZZZZZZ			03:50																		
ZZZZZZ			03:55																		
ZZZZZZ			04:00																		
ZZZZZZ			04:05																		
CCV 240-68088/201			04:10																		
CCB 240-68088/202			04:18																		
ZZZZZZ			04:23																		
ZZZZZZ			04:28																		
ZZZZZZ			04:33																		
ZZZZZZ			04:38																		
CCV 240-68088/207			04:43																		
CCB 240-68088/208			04:50																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-17796-1
SDG No.: _____
Instrument ID: I8 Method: 6020/DOD
Start Date: 12/10/2012 08:43 End Date: 12/11/2012 04:50

Prep Types

R = Total Recoverable

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.: _____

Instrument ID: H1 Method: 7470A/DOD

Start Date: 11/27/2012 10:16 End Date: 11/27/2012 18:10

Lab Sample ID	D / F	T y p e	Time	Analytes															
				H g															
IC 240-66340/1-A			10:16	X															
IC 240-66340/2-A			10:18	X															
IC 240-66340/3-A			10:21	X															
IC 240-66340/4-A			10:23	X															
IC 240-66340/5-A			10:25	X															
IC 240-66340/6-A			10:28	X															
ICV 240-66340/7-A	1		10:32	X															
ICB 240-66340/8-A	1		10:34	X															
CRA 240-66340/9-A	1		10:37	X															
CCVL 240-66340/10-A	1		11:33	X															
CCB 240-66340/12-A			11:36																
ZZZZZZ			11:38																
ZZZZZZ			11:40																
ZZZZZZ			11:43																
ZZZZZZ			11:45																
ZZZZZZ			11:47																
ZZZZZZ			11:51																
ZZZZZZ			11:53																
ZZZZZZ			11:55																
ZZZZZZ			11:58																
ZZZZZZ			12:00																
CCV 240-66340/11-A			12:03																
CCB 240-66340/12-A			12:05																
ZZZZZZ			12:07																
ZZZZZZ			12:10																
ZZZZZZ			12:12																
ZZZZZZ			12:14																
ZZZZZZ			12:17																
ZZZZZZ			12:19																
ZZZZZZ			12:21																
ZZZZZZ			12:24																
ZZZZZZ			12:26																
ZZZZZZ			12:28																
CCV 240-66340/11-A			12:32																
CCB 240-66340/12-A			12:34																
ZZZZZZ			12:37																
ZZZZZZ			12:39																
ZZZZZZ			12:41																
ZZZZZZ			12:43																
ZZZZZZ			12:47																
ZZZZZZ			12:49																
ZZZZZZ			12:51																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.: _____

Instrument ID: H1 Method: 7470A/DOD

Start Date: 11/27/2012 10:16 End Date: 11/27/2012 18:10

Lab Sample ID	D / F	T y p e	Time	Analytes															
				H g															
ZZZZZZ			12:54																
ZZZZZZ			12:56																
ZZZZZZ			12:58																
CCV 240-66340/11-A			13:01																
CCB 240-66340/12-A			13:03																
ZZZZZZ			13:05																
ZZZZZZ			13:07																
ZZZZZZ			13:10																
ZZZZZZ			13:12																
ZZZZZZ			13:14																
ZZZZZZ			13:17																
ZZZZZZ			13:19																
ZZZZZZ			13:21																
ZZZZZZ			13:23																
ZZZZZZ			13:26																
CCV 240-66340/11-A			13:28																
CCB 240-66340/12-A			13:30																
ZZZZZZ			13:33																
ZZZZZZ			13:35																
ZZZZZZ			13:37																
ZZZZZZ			13:40																
ZZZZZZ			13:42																
ZZZZZZ			13:45																
ZZZZZZ			13:47																
ZZZZZZ			13:50																
CCV 240-66340/11-A			13:52																
CCB 240-66340/12-A			13:54																
CCV 240-66340/11-A			14:26																
CCB 240-66340/12-A			14:29																
ZZZZZZ			14:31																
ZZZZZZ			14:34																
ZZZZZZ			14:36																
ZZZZZZ			14:38																
ZZZZZZ			14:40																
ZZZZZZ			14:43																
ZZZZZZ			14:45																
ZZZZZZ			14:47																
ZZZZZZ			14:51																
ZZZZZZ			14:53																
CCV 240-66340/11-A			14:56																
CCB 240-66340/12-A			14:58																
ZZZZZZ			15:01																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.: _____

Instrument ID: H1 Method: 7470A/DOD

Start Date: 11/27/2012 10:16 End Date: 11/27/2012 18:10

Lab Sample ID	D / F	T y p e	Time	Analytes															
				H g															
ZZZZZZ			15:03																
ZZZZZZ			15:05																
ZZZZZZ			15:08																
ZZZZZZ			15:10																
ZZZZZZ			15:13																
ZZZZZZ			15:15																
ZZZZZZ			15:17																
ZZZZZZ			15:20																
ZZZZZZ			15:22																
CCV 240-66340/11-A	1		15:24	X															
CCB 240-66340/12-A	1		15:27	X															
ZZZZZZ			15:29																
ZZZZZZ			15:31																
ZZZZZZ			15:34																
ZZZZZZ			15:36																
ZZZZZZ			15:38																
ZZZZZZ			15:40																
ZZZZZZ			15:43																
ZZZZZZ			15:45																
ZZZZZZ			15:48																
MB 240-66219/1-A	1	T	15:50	X															
CCV 240-66340/11-A	1		15:52	X															
CCB 240-66340/12-A	1		15:55	X															
LCS 240-66219/2-A	1	T	15:57	X															
ZZZZZZ			15:59																
ZZZZZZ			16:01																
ZZZZZZ			16:05																
ZZZZZZ			16:07																
ZZZZZZ			16:09																
ZZZZZZ			16:11																
ZZZZZZ			16:14																
ZZZZZZ			16:16																
ZZZZZZ			16:19																
CCV 240-66340/11-A	1		16:21	X															
CCB 240-66340/12-A	1		16:23	X															
ZZZZZZ			16:26																
240-17796-20	1	T	16:28	X															
ZZZZZZ			16:31																
ZZZZZZ			16:33																
ZZZZZZ			16:36																
ZZZZZZ			16:38																
ZZZZZZ			16:40																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.: _____

Instrument ID: H1 Method: 7470A/DOD

Start Date: 11/27/2012 10:16 End Date: 11/27/2012 18:10

Lab Sample ID	D / F	T y p e	Time	Analytes															
				H g															
ZZZZZZ			16:42																
ZZZZZZ			16:45																
ZZZZZZ			16:48																
CCV 240-66340/11-A	1		16:50	X															
CCB 240-66340/12-A	1		16:52	X															
ZZZZZZ			16:55																
ZZZZZZ			16:57																
ZZZZZZ			16:59																
ZZZZZZ			17:02																
ZZZZZZ			17:04																
ZZZZZZ			17:07																
ZZZZZZ			17:09																
ZZZZZZ			17:11																
ZZZZZZ			17:14																
ZZZZZZ			17:16																
CCV 240-66340/11-A			17:19																
CCB 240-66340/12-A			17:21																
ZZZZZZ			17:24																
ZZZZZZ			17:26																
ZZZZZZ			17:29																
ZZZZZZ			17:31																
ZZZZZZ			17:33																
ZZZZZZ			17:36																
ZZZZZZ			17:38																
ZZZZZZ			17:40																
ZZZZZZ			17:42																
ZZZZZZ			17:45																
CCV 240-66340/11-A			17:47																
CCB 240-66340/12-A			17:49																
ZZZZZZ			17:52																
ZZZZZZ			17:54																
ZZZZZZ			17:56																
ZZZZZZ			17:59																
ZZZZZZ			18:01																
ZZZZZZ			18:03																
CRA 240-66340/9-A	1		18:06	X															
CCV 240-66340/11-A			18:08																
CCB 240-66340/12-A			18:10																

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.: _____

Instrument ID: H1 Method: 7471/DOD

Start Date: 11/30/2012 13:25 End Date: 11/30/2012 17:26

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				H g																	
IC 240-66945/1-A			13:25	X																	
IC 240-66945/2-A			13:27	X																	
IC 240-66945/3-A			13:28	X																	
IC 240-66945/4-A			13:30	X																	
IC 240-66945/5-A			13:31	X																	
IC 240-66945/6-A			13:32	X																	
CRA 240-66945/9-A			13:35																		
ICV 240-66945/7-A	1		13:36	X																	
ICB 240-66945/8-A	1		13:37	X																	
CRA 240-66945/9-A	1		13:39	X																	
CCV 240-66945/10-A			14:17																		
CCB 240-66945/11-A			14:19																		
ZZZZZZ			14:20																		
ZZZZZZ			14:22																		
ZZZZZZ			14:23																		
ZZZZZZ			14:24																		
ZZZZZZ			14:26																		
ZZZZZZ			14:27																		
ZZZZZZ			14:28																		
ZZZZZZ			14:30																		
ZZZZZZ			14:31																		
ZZZZZZ			14:32																		
CCV 240-66945/10-A			14:34																		
CCB 240-66945/11-A			14:35																		
ZZZZZZ			14:36																		
ZZZZZZ			14:38																		
ZZZZZZ			14:39																		
ZZZZZZ			14:40																		
ZZZZZZ			14:42																		
ZZZZZZ			14:43																		
ZZZZZZ			14:45																		
ZZZZZZ			14:46																		
ZZZZZZ			14:47																		
ZZZZZZ			14:49																		
CCV 240-66945/10-A			14:50																		
CCB 240-66945/11-A			14:52																		
ZZZZZZ			14:53																		
ZZZZZZ			14:54																		
ZZZZZZ			14:56																		
ZZZZZZ			14:57																		
ZZZZZZ			14:58																		
ZZZZZZ			15:00																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.: _____

Instrument ID: H1 Method: 7471/DOD

Start Date: 11/30/2012 13:25 End Date: 11/30/2012 17:26

Lab Sample ID	D / F	T y p e	Time	Analytes															
				H g															
ZZZZZZ			15:02																
ZZZZZZ			15:03																
ZZZZZZ			15:04																
ZZZZZZ			15:06																
CCV 240-66945/10-A			15:07																
CCB 240-66945/11-A			15:08																
ZZZZZZ			15:10																
ZZZZZZ			15:11																
ZZZZZZ			15:13																
ZZZZZZ			15:14																
ZZZZZZ			15:15																
ZZZZZZ			15:17																
ZZZZZZ			15:18																
ZZZZZZ			15:19																
ZZZZZZ			15:20																
ZZZZZZ			15:22																
CCV 240-66945/10-A			15:23																
CCB 240-66945/11-A			15:24																
ZZZZZZ			15:26																
ZZZZZZ			15:27																
ZZZZZZ			15:29																
ZZZZZZ			15:30																
CCV 240-66945/10-A			15:32																
CCB 240-66945/11-A			15:33																
CCV 240-66945/10-A			15:35																
CCB 240-66945/11-A			15:36																
ZZZZZZ			15:38																
ZZZZZZ			15:39																
ZZZZZZ			15:40																
ZZZZZZ			15:42																
ZZZZZZ			15:43																
ZZZZZZ			15:44																
ZZZZZZ			15:46																
ZZZZZZ			15:47																
ZZZZZZ			15:48																
ZZZZZZ			15:50																
CCV 240-66945/10-A			15:51																
CCB 240-66945/11-A			15:53																
ZZZZZZ			15:54																
ZZZZZZ			15:55																
ZZZZZZ			15:57																
ZZZZZZ			15:58																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.: _____

Instrument ID: H1 Method: 7471/DOD

Start Date: 11/30/2012 13:25 End Date: 11/30/2012 17:26

Lab Sample ID	D / F	T y p e	Time	Analytes															
				H g															
ZZZZZZ			15:59																
ZZZZZZ			16:01																
ZZZZZZ			16:02																
ZZZZZZ			16:04																
ZZZZZZ			16:05																
ZZZZZZ			16:06																
CCV 240-66945/10-A	1		16:08	X															
CCB 240-66945/11-A	1		16:09	X															
ZZZZZZ			16:11																
ZZZZZZ			16:12																
ZZZZZZ			16:13																
ZZZZZZ			16:15																
ZZZZZZ			16:16																
MB 240-66416/1-A	1	T	16:17	X															
LCS 240-66416/2-A	1	T	16:19	X															
240-17796-1	1	T	16:20	X															
240-17796-1 DU	1	T	16:22	X															
240-17796-1 MS	1	T	16:23	X															
CCV 240-66945/10-A	1		16:25	X															
CCB 240-66945/11-A	1		16:26	X															
240-17796-24	1	T	16:28	X															
240-17796-10	1	T	16:29	X															
240-17796-8	1	T	16:30	X															
240-17796-15	1	T	16:32	X															
240-17796-11	1	T	16:33	X															
240-17796-12	1	T	16:34	X															
240-17796-14	1	T	16:36	X															
240-17796-4	1	T	16:37	X															
240-17796-23	1	T	16:39	X															
240-17796-13	1	T	16:40	X															
CCV 240-66945/10-A	1		16:41	X															
CCB 240-66945/11-A	1		16:43	X															
240-17796-6	1	T	16:44	X															
240-17796-16	1	T	16:45	X															
240-17796-7	1	T	16:47	X															
240-17796-5	1	T	16:48	X															
240-17796-25	1	T	16:50	X															
240-17796-2	1	T	16:51	X															
240-17796-22	1	T	16:53	X															
240-17796-9	1	T	16:54	X															
240-17796-3	1	T	16:55	X															
MB 240-66624/1-A	1	T	16:57	X															

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.: _____

Instrument ID: H1 Method: 7471/DOD

Start Date: 11/30/2012 13:25 End Date: 11/30/2012 17:26

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				H g																	
CCV 240-66945/10-A	1		16:58	X																	
CCB 240-66945/11-A	1		17:00	X																	
LCS 240-66624/2-A	1	T	17:01	X																	
240-17796-26	1	T	17:02	X																	
240-17796-26 DU	1	T	17:04	X																	
240-17796-26 MS	1	T	17:06	X																	
240-17796-27	1	T	17:07	X																	
240-17796-28	1	T	17:09	X																	
ZZZZZZ			17:10																		
ZZZZZZ			17:12																		
ZZZZZZ			17:13																		
ZZZZZZ			17:14																		
CCV 240-66945/10-A	1		17:16	X																	
CCB 240-66945/11-A	1		17:17	X																	
ZZZZZZ			17:18																		
ZZZZZZ			17:20																		
ZZZZZZ			17:21																		
CRA 240-66945/9-A	1		17:23	X																	
CCV 240-66945/10-A			17:24																		
CCB 240-66945/11-A			17:26																		

Prep Types

T = Total/NA

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.: _____

ICP-MS Instrument ID: I8 Start Date: 12/10/2012 End Date: 12/10/2012

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li	Q	Element Sc	Q	Element Sc	Q	Element Ge	Q	Element In	Q
ICIS 240-68088/1	08:43	100		100		100		100		100	
STD2 240-68088/2 IC	08:48	89		88		90		87		90	
STD3 240-68088/3 IC	08:55	81		83		87		82		86	
STD4 240-68088/4 IC	09:03	81		83		85		87		90	
ICV 240-68088/5	09:08	83		84		87		85		88	
ICB 240-68088/6	09:15	82		83		86		87		91	
CRI 240-68088/7	09:20	86		86		88		89		92	
ICSA 240-68088/8	09:26	80		79		85		83		87	
ICSAB 240-68088/9	09:31	80		79		85		83		87	
CCV 240-68088/15	10:10	89		86		93		90		93	
CCB 240-68088/16	10:17	85		83		87		88		92	
MB 240-66568/1-A	10:22	85		84		87		89		93	
LCS 240-66568/2-A	10:27	86		85		91		92		95	
240-17796-20	10:35	89		88		89		90		94	
CCV 240-68088/20	10:42	87		84		90		87		91	
CCB 240-68088/21	10:49	85		83		87		87		92	
CRI 240-68088/42	12:52	89		85		88		89		93	

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.: _____

ICP-MS Instrument ID: I8 Start Date: 12/10/2012 End Date: 12/10/2012

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Tb	Q	Element Ho	Q	Element Bi	Q	Element	Q	Element	Q
ICIS 240-68088/1	08:43			100		100					
STD2 240-68088/2 IC	08:48			94		86					
STD3 240-68088/3 IC	08:55			91		80					
STD4 240-68088/4 IC	09:03			93		95					
ICV 240-68088/5	09:08			93		86					
ICB 240-68088/6	09:15			93		95					
CRI 240-68088/7	09:20			95		96					
ICSA 240-68088/8	09:26			91		84					
ICSAB 240-68088/9	09:31			93		86					
CCV 240-68088/15	10:10			100		92					
CCB 240-68088/16	10:17			97		99					
MB 240-66568/1-A	10:22			97		100					
LCS 240-66568/2-A	10:27			101		99					
240-17796-20	10:35			99		101					
CCV 240-68088/20	10:42			98		89					
CCB 240-68088/21	10:49			97		99					
CRI 240-68088/42	12:52			100		102					

TestAmerica ICP/MS Data Review Checklist

Run Date: 12-10-12 Analyst: ngj Instrument: I8

Review Items

	Yes	No	N/A	2nd Level
A. Tune/Daily performance				
1. Resolution ≤ 0.9 AMU full width at 10% peak height, and within ± 0.1 AMU of true mass?	☒			☒
2. Performance check within recommended specifications? (Be > 8000 cps) (In > 300,000 cps) (Pb > 100,000 cps) (Co > 100,000) (Mg > 100,000) (CeO/Ce < 0.03) (Ba++/Ba < 0.03) (Background < 30 cps @ Mass 220) CCT Performance Check (In > 75000) (Se < 20 cps)	☒			☒
B. Calibration/Instrument Run QC				
1. Instrument calibrated per manufacturer's instructions and at SOP specified levels? Correlation coefficient > 0.995?	☒			☒
1. ICV/CCV analyzed at appropriate frequency and within control limits? (ICV: = 90 - 110%) (CCV: 90 - 110%, 200.8 = 85 - 115%)	☒			☒
2. ICB/CCB analyzed at appropriate frequency and within $\pm$ RL?	☒			☒
3. CRI run and recovered within QC limits ($\pm 50\%$) or project limits?	☒			☒
4. ICSA/ICSAB run at required frequency and within SOP control limits?	☒			☒
C. Sample Results				
1. Were samples with concentrations > the linear range for any parameter diluted and reanalyzed?	☒			☒
2. All reported results bracketed by in control QC?	☒			☒
3. Were the internal standards within acceptance criteria for all results reported?	☒			☒
4. Sample analyses done within holding time?	☒			☒
D. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits?	☒			☒
2. Method blank done per prep batch and < RL?	☒			☒
3. MS run at required frequency and within limits?	☒			☒
4. MSD or DU run at required frequency and RPD within SOP limits?	☒			☒
5. Serial dilution done per prep batch?	☒			☒
6. Post digest spike analyzed if required?	☒			☒
E. Other				
1. Are all nonconformance's documented appropriately?	☒			☒
2. Current IDL/LR data on file?	☒			☒
3. Calculations checked for error?	☒			☒
4. Transcriptions checked for error?	☒			☒
5. All client/project specific requirements met?	☒			☒
6. Date/time of analysis verified as correct?	☒			☒

Level I Analyst: Natalie J. Joth Date: 12-11-12 Time: 08:43-04:50
 Level I Analyst: _____ Date: _____ Time: _____
 Level II Reviewer: Kenn Elmont Date: 12-11-12 Time: 08:43-04:50
 Level II Reviewer: _____ Date: _____ Time: _____

Comments: Pb using H₂ only; W & Tl using H₂ and Bi

Performance Report

Sample details

Acquired at : 12/10/2012 08:09:24

Report name : STD MODE PERF REPORT [8/11/2009 07:18:25]

Mass Calibration verification

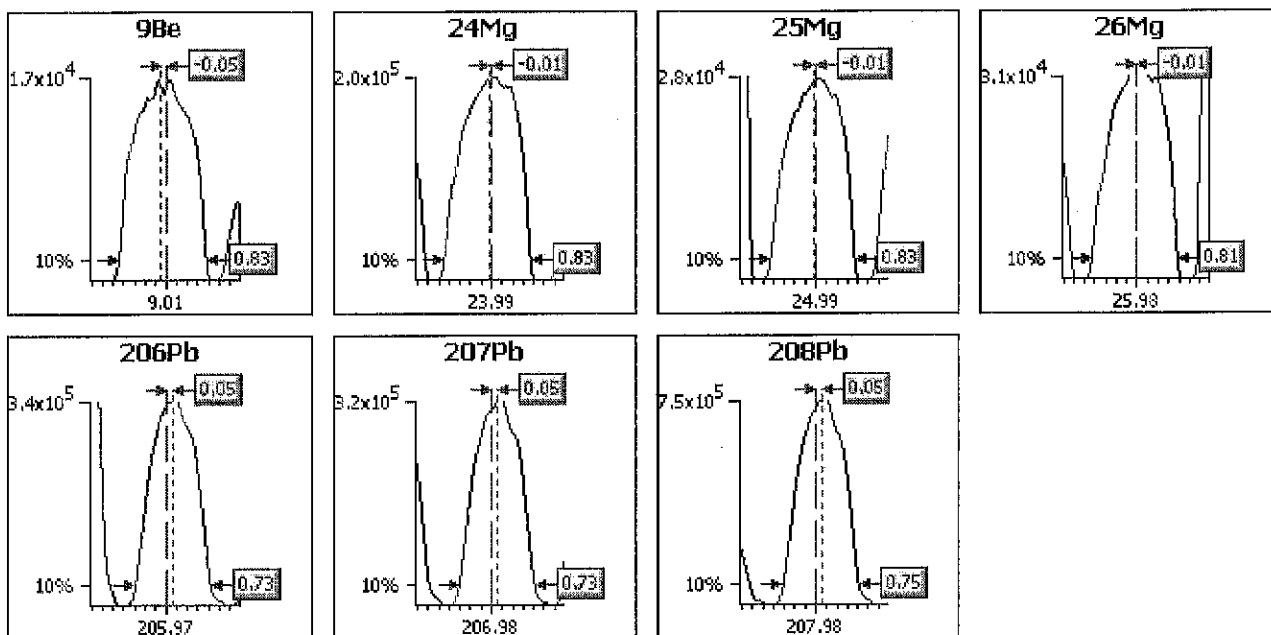
Acquisition parameters

Sweeps : 10

Dwell : 5.0 mSecs

Point spacing : 0.02 amu

Peak width measured at 10% of the peak maximum



Analyte	Limits			Results	
	Max. width	Min. width	Max. error	Peak width	Peak error
9Be	0.85	0.65	0.10	0.83	-0.05
24Mg	0.85	0.65	0.10	0.83	-0.01
25Mg	0.85	0.65	0.10	0.83	-0.01
26Mg	0.85	0.65	0.10	0.81	-0.01
206Pb	0.85	0.65	0.10	0.73	0.05
207Pb	0.85	0.65	0.10	0.73	0.05
208Pb	0.85	0.65	0.10	0.75	0.05

Sample details

Acquired at : 12/10/2012 08:09:24

Report name : STD MODE PERF REPORT [8/11/2009 07:18:25]

Tune conditions

Major		Minor		Global		Add. Gases	
Extraction	-86.3	Lens 3	-195.3	Standard resolution	130	He_H2	0.00
Lens 1	-115.3	Forward power	1200	High resolution	130	He-Not In Use	0.00
Lens 2	-80.0	Horizontal	53	Analogue Detector	2000		
Focus	11.8	Vertical	600	PC Detector	3225		
D1	-42.4	DA	-46.3				
D2	-140	Cool	13.0				
Pole Bias	-1.0	Auxiliary	0.90				
Hexapole Bias	-4.0	Sampling Depth	130				
Nebulser	0.81						

Sensitivity and stability results**Acquisition parameters**

Sweeps : 30

Run	Time	58kg	9Be	24Mg	25Mg	26Mg	59Co	137Ba++	101Bkg	115In
Dwell (mSecs)		100.0	10.0	10.0	10.0	10.0	10.0	30.0	100.0	10.0
Limits	%RSD	-	5.0%	-	5.0%	-	5.0%	-	-	5.0%
	CountRate	-	>8000	>10000	>10000	>10000	>100000	-	-	>300000
1	08:09:59	0.000	15880.896	201747.04	27165.454	32828.967	251357.90	992.252	0.000	720466.02
2	08:10:17	0.000	15864.213	200380.71	26688.017	32194.398	248390.58	992.252	0.667	721589.77
3	08:10:35	0.333	15870.886	201298.33	27329.055	32167.680	250498.44	897.802	0.000	729002.10
4	08:10:53	0.000	16177.848	201136.40	26754.791	33066.102	248972.50	911.136	0.333	727634.23
5	08:11:10	0.000	16131.136	199770.11	26935.081	32060.807	249743.91	937.804	0.000	725483.45
X		0.067	15984.996	200866.52	26974.479	32463.591	249792.67	946.249	0.200	724835.11
σ		0.15	155.72	786.25	271.14	452.43	1182.05	44.40	0.30	3716.20
%RSD		223.607	0.974	0.391	1.005	1.394	0.473	4.692	149.071	0.513

Run	Time	137Ba	140Ce	156Ce O	206Pb	207Pb	208Pb	220Bkg
Dwell (mSecs)		10.0	10.0	30.0	10.0	10.0	10.0	100.0
Limits	%RSD	-	-	-	-	-	5.0%	-
	CountRate	-	-	-	>100000	>100000	>100000	<30
1	08:09:59	88182.670	718013.51	19069.792	331290.19	304391.13	729346.70	0.000
2	08:10:17	87016.565	723312.06	18920.734	333527.49	305552.09	723534.76	0.000
3	08:10:35	88571.390	715356.16	18909.610	338254.67	307833.50	730046.35	0.000
4	08:10:53	89023.790	718375.28	19363.464	336625.51	305752.38	728218.96	0.000
5	08:11:10	87378.451	710261.74	19681.614	335139.34	306034.15	728062.33	0.000
X		88034.573	717063.75	19189.043	334967.44	305912.65	727841.82	0.000
σ		829.98	4765.68	330.66	2700.94	1242.49	2542.95	0.00
%RSD		0.943	0.665	1.723	0.806	0.406	0.349	0.000

Ratio results

Run	Time	137Ba++ / 137Ba	156Ce O / 140Ce
Ratio limits		<0.0300	<0.0300
1	08:09:59	0.011	0.027
2	08:10:17	0.011	0.026
3	08:10:35	0.010	0.026
4	08:10:53	0.010	0.027
5	08:11:10	0.011	0.028
X		0.0108	0.0268
σ		0.00	0.00
%RSD		5.3446	2.2493

Result : The performance report passed.

Performance Report

Sample details

Acquired at : 12/10/2012 08:19:34

Report name : CCT MODE PERF REPORT [5/20/2011 11:37:05]

Tune conditions

Major	
Extraction	-86.3
Lens 1	-1153
Lens 2	-80.0
Focus	-4.1
D1	-52.5
D2	-140
Pole Bias	-14.0
Hexapole Bias	-17.0
Nebuliser	0.81

Minor	
Lens 3	-195.3
Forward power	1200
Horizontal	53
Vertical	600
DA	-46.3
Cool	13.0
Auxiliary	0.90
Sampling Depth	130

Global	
Standard resolution	130
High resolution	130
Analogue Detector	2000
PC Detector	3225

Add. Gases	
He_H2	3.96
He-Not In Use	0.00

Sensitivity and stability results

Acquisition parameters

Sweeps : 30

Run	Time	78Se	115In
Dwell (mSecs)		100.0	10.0
Limits	%RSD	-	5.0%
	CountRate	<20	>75000
1	08:19:35	16.333	84141.861
2	08:19:40	18.000	85012.931
3	08:19:46	19.000	84235.666
4	08:19:50	18.000	84326.122
5	08:19:56	20.333	85016.281
X		18.333	84546.572
σ		1.47	432.19
%RSD		8.029	0.511

Result : The performance report passed.

Experiment Details

Description	PlasmaLab Template BlankExperiment
Template Filename	C:\Program Files\Thermo Fisher\PlasmaLab\Templates\TEST AMERICA 6020 QSM DoD 4.2.tet
Created By User	martin.nash
Analyte Database	TA NORTH CANTON MULTIMODE.tea
Creation Timestamp	10/10/2007 09:08:48
Last Edited By	Upload
Last Edit Timestamp	12/11/2012 06:43:24
Instrument Detector	Simultaneous
Database Version	3,51
Acquisition Mode	Unknown

Numerical Results report key (text indicates meaning)

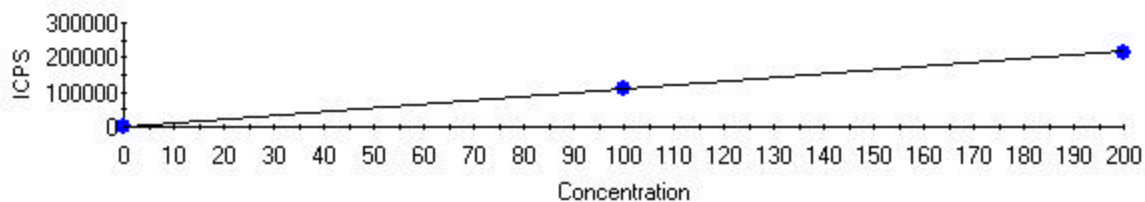
Blue text indicates that cell is a statistic.

Underlining indicates that a data warning flag is set.

Column headings	Result cells	Data warning flags
No flag	Internal Standard	I - Invalid calibration
Semi Quant	Excluded	T - Tripped
Standard Addition	QC Warning	F - Interference correction failed
Multi Element	QC Failure	M - Result over max
	Transient TRA only:	V - Valley integration failed
	Peak Not Found	D - Different method used
	Manually Edited	
	Merged Peak	

Fully Quant Calibration

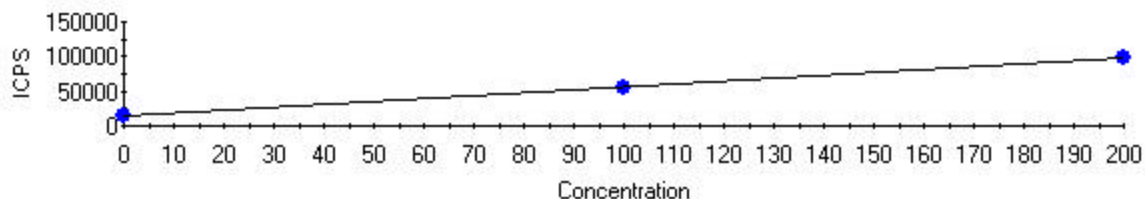
9Be FQ Block 1



Intercept CPS=7.782935 Intercept Conc=0.007166
Sensitivity=1086.037707 Correlation Coeff=0.999912

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	0.000	0.000	7.78	0.00
STD2- 761715,	100.000	101.827	1.827	110596.27	1.83
STD3- 726967,	200.000	199.086	0.914	216222.97	0.46

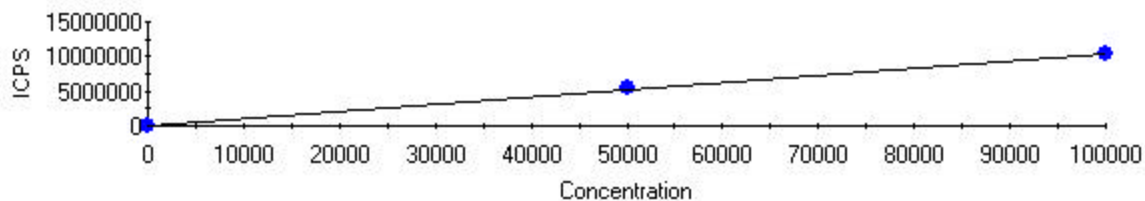
10B FQ Block 1



Intercept CPS=13250.076824 Intercept Conc=31.124855
Sensitivity=425.707269 Correlation Coeff=1.000000

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	-0.000	0.000	13250.08	0.00
STD2-761715,	100.000	100.064	0.064	55847.93	0.06
STD4-664981,	200.000	199.968	0.032	98377.97	0.02

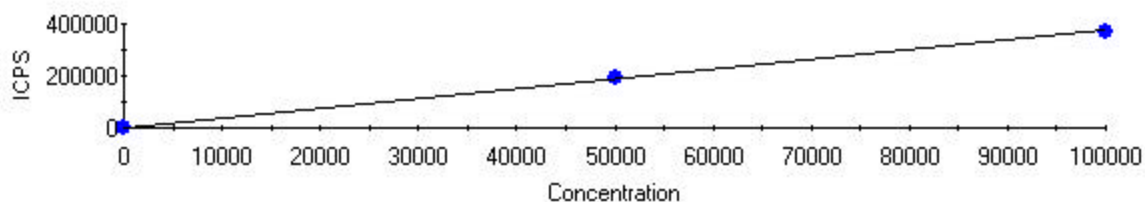
23Na FQ Block 1



Intercept CPS=1667.221251 Intercept Conc=15.884810
Sensitivity=104.956954 Correlation Coeff=0.999852

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	0.000	0.000	1667.22	0.00
STD2-761715,	50000.000	51184.270	1184.270	5373812.35	2.37
STD3-726967,	100000.000	99407.865	592.135	10435213.94	0.59

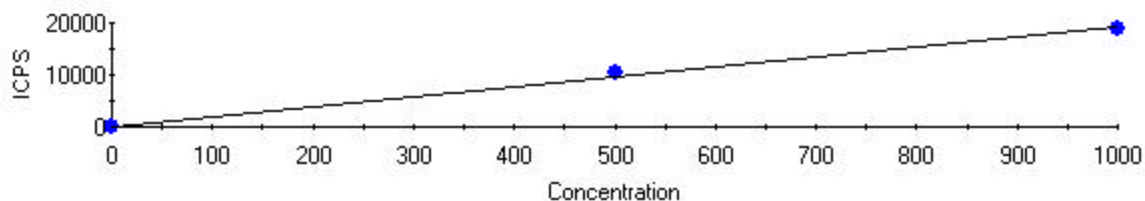
25Mg FQ Block 1



Intercept CPS=1.120752 Intercept Conc=0.298088
Sensitivity=3.759804 Correlation Coeff=0.999713

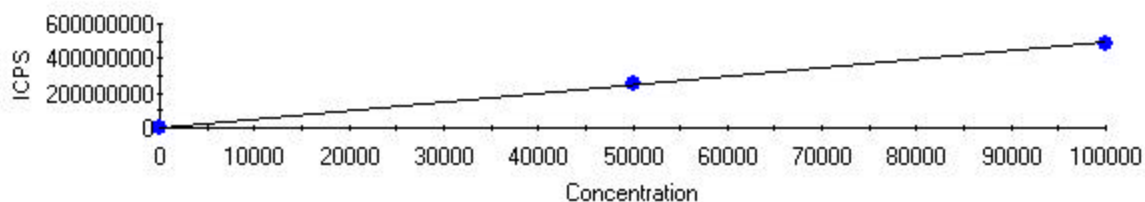
Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	-0.000	0.000	1.12	0.00
STD2-761715,	50000.000	51647.852	1647.852	194186.91	3.30
STD3-726967,	100000.000	99176.074	823.926	372883.69	0.82

27Al FQ Block 1



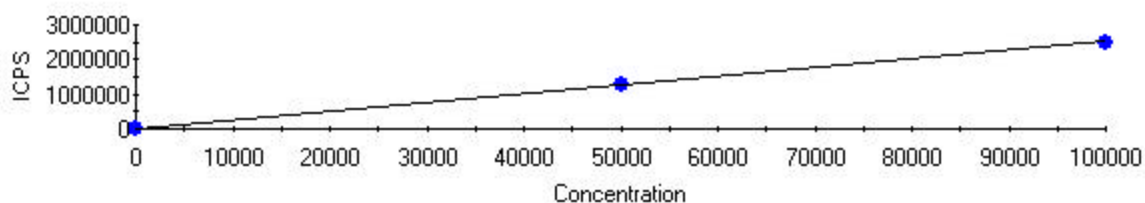
Intercept CPS=105.638124 Intercept Conc=5.515909
Sensitivity=19.151536 Correlation Coeff=0.998822

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	-0.000	0.000	105.64	0.00
STD2-761715,	500.000	533.097	33.097	10315.26	6.62
STD3-726967,	1000.000	983.452	16.548	18940.25	1.65

39K FQ Block 1

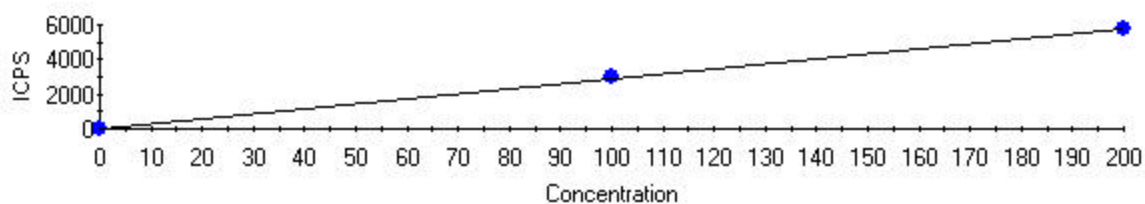
Intercept CPS=282689.873059 Intercept Conc=57.373361
Sensitivity=4927.197332 Correlation Coeff=0.999796

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	0.000	0.000	282689.87	0.00
STD2-761715,	50000.000	51389.343	1389.343	253488123.64	2.78
STD3-726967,	100000.000	99305.328	694.672	489579639.53	0.69

43Ca FQ Block 1

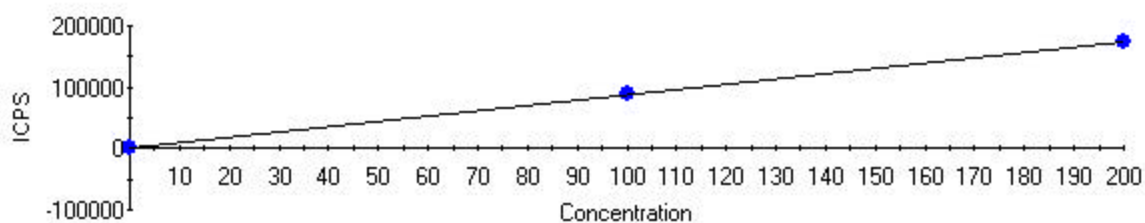
Intercept CPS=1214.074495 Intercept Conc=48.148629
Sensitivity=25.215142 Correlation Coeff=0.999811

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	-0.000	0.000	1214.07	0.00
STD2-761715,	50000.000	51336.461	1336.461	1295670.20	2.67
STD3-726967,	100000.000	99331.770	668.230	2505878.71	0.67

47Ti FQ Block 1

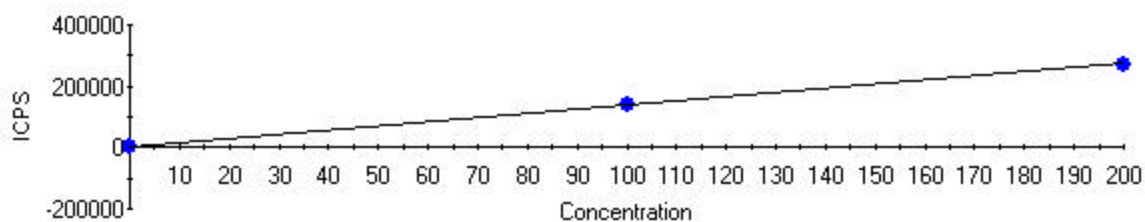
Intercept CPS=0.000000 Intercept Conc=0.000000
Sensitivity=29.000714 Correlation Coeff=0.999601

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	0.000	0.000	0.00	0.00
STD2-761715,	100.000	103.877	3.877	3012.51	3.88
STD4-664981,	200.000	198.061	1.939	5743.92	0.97

51V FQ Block 1

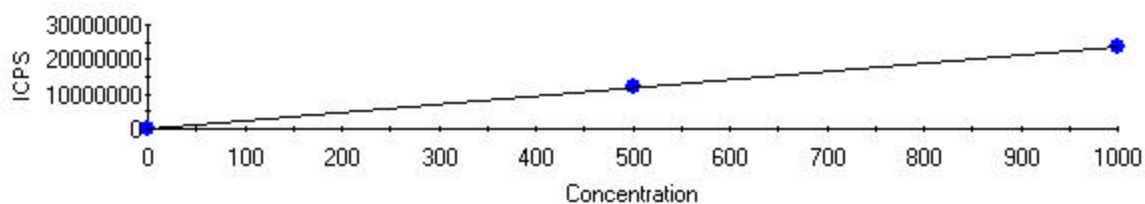
Intercept CPS=-111.793639 Intercept Conc=-0.127920
Sensitivity=873.933348 Correlation Coeff=0.999978

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	-0.000	0.000	-111.79	0.00
STD2-761715,	100.000	100.924	0.924	88089.06	0.92
STD3-726967,	200.000	199.538	0.462	174271.12	0.23

52Cr FQ Block 1

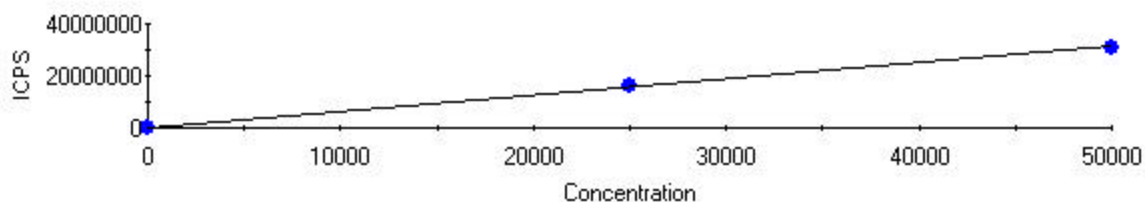
Intercept CPS=-150.635510 Intercept Conc=-0.109717
Sensitivity=1372.948669 Correlation Coeff=0.999846

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	-0.000	0.000	-150.64	0.00
STD2-761715,	100.000	102.418	2.418	140464.15	2.42
STD3-726967,	200.000	198.791	1.209	272779.14	0.60

55Mn FQ Block 1

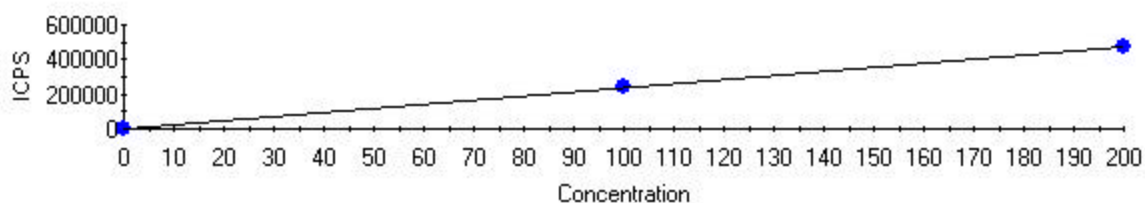
Intercept CPS=6444.885918 Intercept Conc=0.274256
Sensitivity=23499.497273 Correlation Coeff=0.999872

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	0.000	0.000	6444.89	0.00
STD2-761715,	500.000	511.030	11.030	12015395.36	2.21
STD3-726967,	1000.000	994.485	5.515	23376341.24	0.55

56Fe FQ Block 1

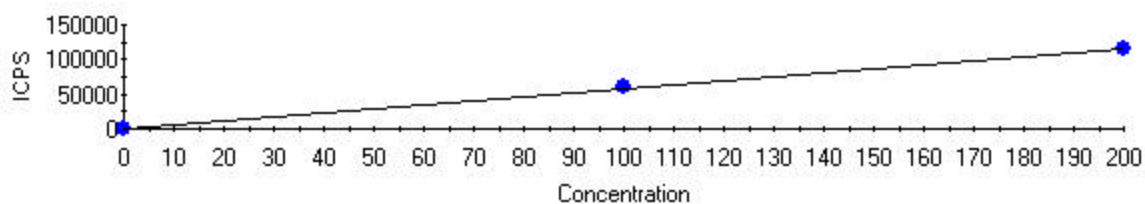
Intercept CPS=2956.424401 Intercept Conc=4.723018
Sensitivity=625.960864 Correlation Coeff=0.999773

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	-0.000	0.000	2956.42	0.00
STD2-761715,	25000.000	25733.488	733.488	16111112.68	2.93
STD3-726967,	50000.000	49633.256	366.744	31071432.29	0.73

59Co FQ Block 1

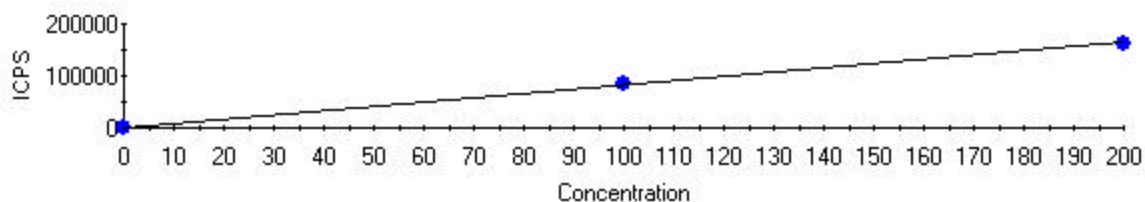
Intercept CPS=28.896313 Intercept Conc=0.012220
Sensitivity=2364.579980 Correlation Coeff=0.999831

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	0.000	0.000	28.90	0.00
STD2-761715,	100.000	102.529	2.529	242467.55	2.53
STD3-726967,	200.000	198.735	1.265	469954.57	0.63

60Ni FQ Block 1

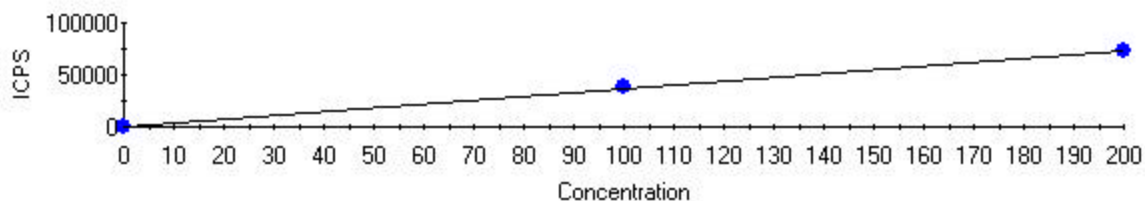
Intercept CPS=31.122694 Intercept Conc=0.053346
Sensitivity=583.408930 Correlation Coeff=0.999660

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	-0.000	0.000	31.12	0.00
STD2-761715,	100.000	103.580	3.580	60460.85	3.58
STD3-726967,	200.000	198.210	1.790	115668.49	0.90

65Cu FQ Block 1

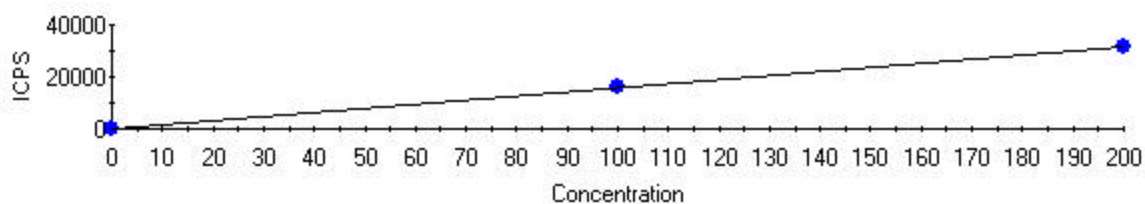
Intercept CPS=127.857483 Intercept Conc=0.155497
Sensitivity=822.251356 Correlation Coeff=0.999511

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	0.000	0.000	127.86	0.00
STD2- 761715,	100.000	104.286	4.286	85877.46	4.29
STD3- 726967,	200.000	197.857	2.143	162815.90	1.07

66Zn FQ Block 1

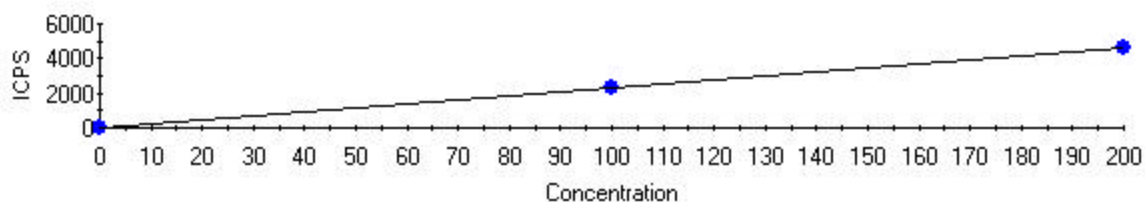
Intercept CPS=652.348014 Intercept Conc=1.787838
Sensitivity=364.880901 Correlation Coeff=0.999618

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	0.000	0.000	652.35	0.00
STD2- 761715,	100.000	103.793	3.793	38524.61	3.79
STD3- 726967,	200.000	198.103	1.897	72936.44	0.95

75As FQ Block 1

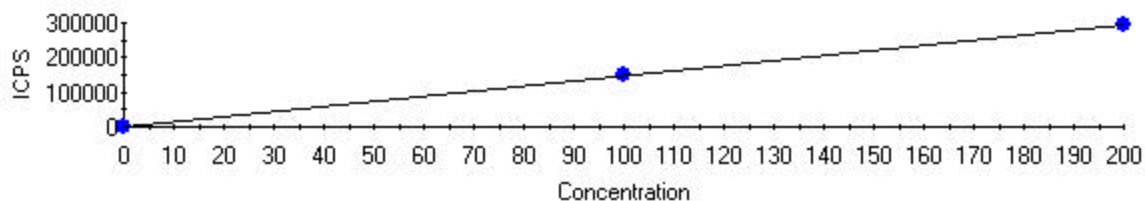
Intercept CPS=200.023867 Intercept Conc=1.266936
Sensitivity=157.879961 Correlation Coeff=0.999956

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	0.000	0.000	200.02	0.00
STD2- 761715,	100.000	101.290	1.290	16191.72	1.29
STD3- 726967,	200.000	199.355	0.645	31674.17	0.32

78Se FQ Block 1

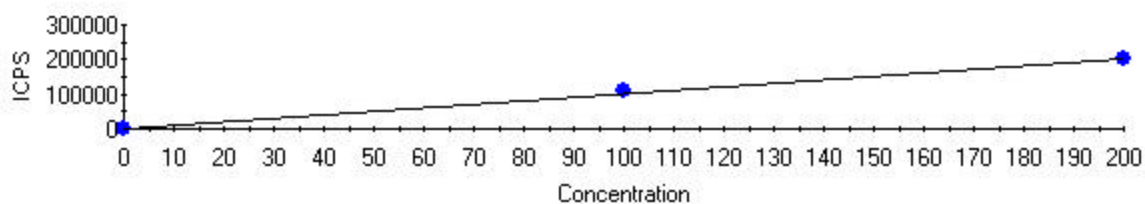
Intercept CPS=3.215960 Intercept Conc=0.138049
Sensitivity=23.295865 Correlation Coeff=0.999996

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	-0.000	0.000	3.22	0.00
STD2- 761715,	100.000	100.388	0.388	2341.83	0.39
STD3- 726967,	200.000	199.806	0.194	4657.87	0.10

88Sr FQ Block 1

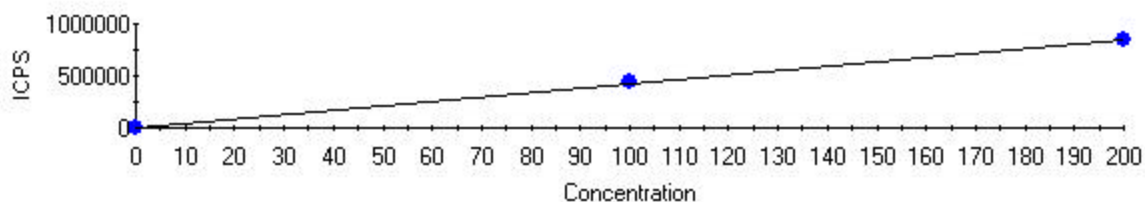
Intercept CPS=108.900594 Intercept Conc=0.073481
Sensitivity=1482.022407 Correlation Coeff=1.000000

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	0.000	0.000	108.90	0.00
STD2- 761715,	100.000	100.039	0.039	148368.66	0.04
STD3- 726967,	200.000	199.981	0.019	296484.62	0.01

95Mo FQ Block 1

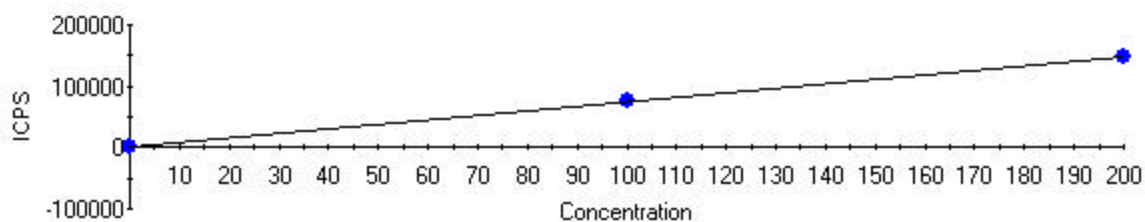
Intercept CPS=594.414930 Intercept Conc=0.587316
Sensitivity=1012.087454 Correlation Coeff=0.998877

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	-0.000	0.000	594.41	0.00
STD2- 761715,	100.000	106.467	6.467	108348.72	6.47
STD4- 664981,	200.000	196.766	3.234	199739.13	1.62

107Ag FQ Block 1

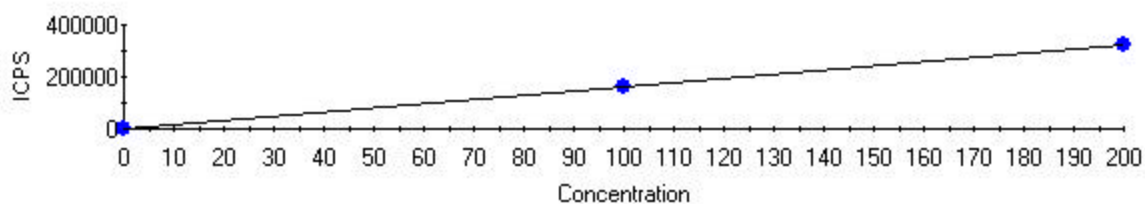
Intercept CPS=19.998912 Intercept Conc=0.004678
Sensitivity=4275.080558 Correlation Coeff=0.999601

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	0.000	0.000	20.00	0.00
STD2-761715,	100.000	103.876	3.876	444099.12	3.88
STD3-726967,	200.000	198.062	1.938	846750.58	0.97

111Cd FQ Block 1

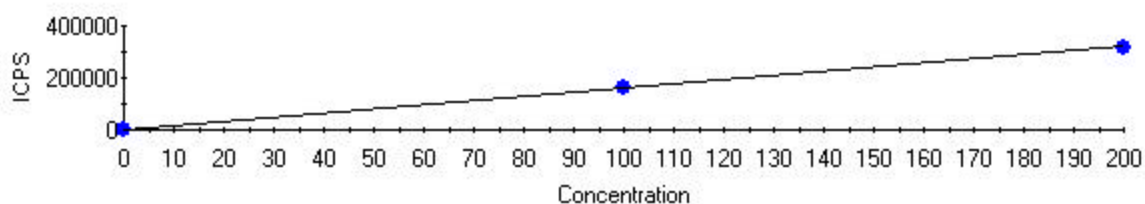
Intercept CPS=4.137145 Intercept Conc=0.005540
Sensitivity=746.838925 Correlation Coeff=0.999575

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	-0.000	0.000	4.14	0.00
STD2-761715,	100.000	104.003	4.003	77677.52	4.00
STD3-726967,	200.000	197.999	2.001	147877.18	1.00

118Sn FQ Block 1

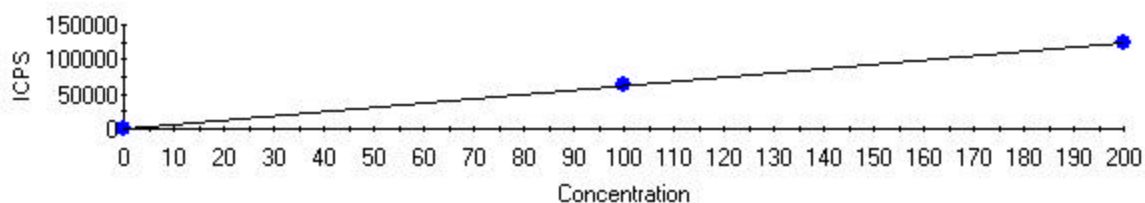
Intercept CPS=147.800120 Intercept Conc=0.091887
Sensitivity=1608.491662 Correlation Coeff=0.999941

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	0.000	0.000	147.80	0.00
STD2-761715,	100.000	101.496	1.496	163402.70	1.50
STD4-664981,	200.000	199.252	0.748	320643.27	0.37

121Sb FQ Block 1

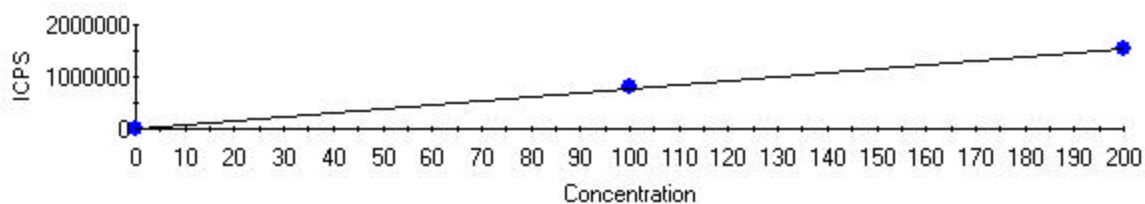
Intercept CPS=61.101044 Intercept Conc=0.038269
Sensitivity=1596.638860 Correlation Coeff=0.999951

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	0.000	0.000	61.10	0.00
STD2-761715,	100.000	101.363	1.363	161901.82	1.36
STD4-664981,	200.000	199.318	0.682	318300.46	0.34

137Ba FQ Block 1

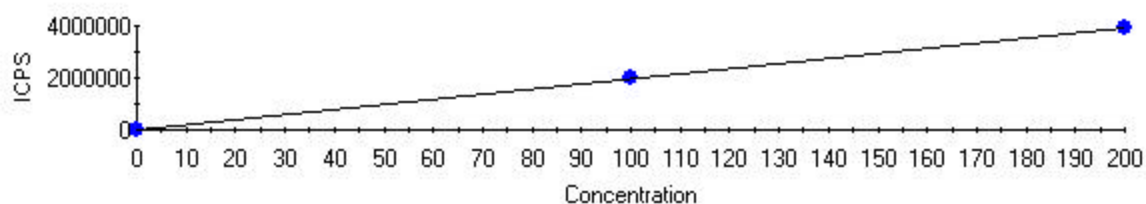
Intercept CPS=102.211579 Intercept Conc=0.163438
Sensitivity=625.384825 Correlation Coeff=0.999957

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	0.000	0.000	102.21	0.00
STD2-761715,	100.000	101.278	1.278	63440.08	1.28
STD3-726967,	200.000	199.361	0.639	124779.48	0.32

182W FQ Block 1

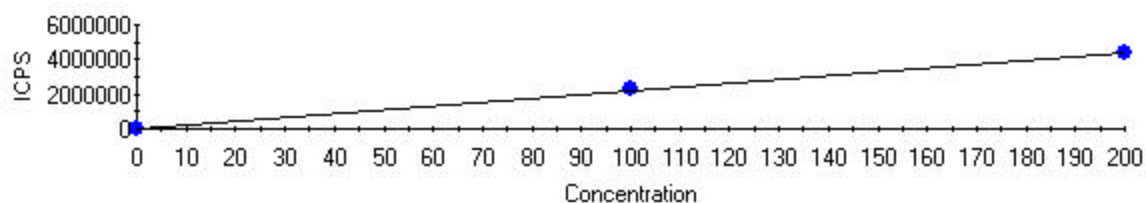
Intercept CPS=255.640849 Intercept Conc=0.032915
Sensitivity=7766.658402 Correlation Coeff=0.999184

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	0.000	0.000	255.64	0.00
STD2-761715,	100.000	105.524	5.524	819826.36	5.52
STD4-664981,	200.000	197.238	2.762	1532134.88	1.38

205Tl FQ Block 1

Intercept CPS=792.779850 Intercept Conc=0.040115
Sensitivity=19762.565718 Correlation Coeff=0.999786

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	-0.000	0.000	792.78	0.00
STD2- 761715,	100.000	102.848	2.848	2033326.41	2.85
STD3- 726967,	200.000	198.576	1.424	3925167.39	0.71

208Pb FQ Block 1

Intercept CPS=985.850973 Intercept Conc=0.045011
Sensitivity=21902.370585 Correlation Coeff=0.999594

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	0.000	0.000	985.85	0.00
STD2- 761715,	100.000	103.913	3.913	2276934.59	3.91
STD3- 726967,	200.000	198.043	1.957	4338604.13	0.98

Dilution Corrected Concentrations

ICISM=6020

12/10/2012 08:43:58

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		100.000%	0.000	-0.000
%RSD		0.201	0.000	0.000
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		0.000	-0.000	-0.000
%RSD		0.000	0.000	0.000
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	0.000	-0.000
%RSD		0.000	0.000	0.000
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		100.000%	100.000%	0.000
%RSD		0.799	1.194	0.000
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		-0.000	-0.000	-0.000
%RSD		0.000	0.000	0.000
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		0.000	-0.000	0.000
%RSD		0.000	0.000	0.000
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		-0.000	0.000	0.000
%RSD		0.000	0.000	0.000
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		100.000%	0.000	-0.000
%RSD		0.266	0.000	0.000
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		-0.000	0.000	-0.000
%RSD		0.000	0.000	0.000
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.000	0.000
%RSD		0.000	0.000	0.000
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		-0.000	100.000%	0.000
%RSD		0.000	0.420	0.000
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.000	0.000	0.000
%RSD		0.000	0.000	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		100.000%	0.000	-0.000
%RSD		0.668	0.000	0.000
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.000	100.000%	
%RSD		0.000	0.522	

STD2-761715, 12/10/2012 08:48:50

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		88.455%	101.800	100.100
%RSD		0.428	0.425	0.357
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		<u>± 51180.000</u>	51650.000	533.100
%RSD		<u>± 1.094</u>	1.583	1.319
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	<u>± 51390.000</u>	51340.000
%RSD		0.000	<u>± 0.387</u>	0.188
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		<u>± 87.897%</u>	90.191%	103.900
%RSD		<u>± 0.656</u>	1.351	5.303
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		100.900	102.400	4.507
%RSD		0.229	0.515	29.210
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		<u>± 511.000</u>	<u>± 25730.000</u>	102.500
%RSD		<u>± 0.084</u>	<u>± 0.247</u>	0.549
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		103.600	104.300	103.800
%RSD		0.938	1.187	1.251
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		87.229%	101.300	-0.532
%RSD		0.304	0.413	17.880
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		100.400	100.000	106.500
%RSD		2.065	0.643	0.282
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	103.900	19.950
%RSD		0.000	0.598	243.100
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		104.000	90.284%	101.500
%RSD		1.582	0.957	0.570
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		101.400	101.300	0.000
%RSD		0.068	0.506	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		94.218%	105.500	102.800
%RSD		0.915	0.265	0.417
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		103.900	85.550%	
%RSD		0.193	1.134	

STD3-726967, 12/10/2012 08:55:59

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		80.858%	199.100	-2.062
%RSD		0.052	0.184	20.740
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		<u>TM 99410.000</u>	<u>M 99180.000</u>	<u>M 983.500</u>
%RSD		<u>TM 1.574</u>	<u>M 0.961</u>	<u>M 2.509</u>
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	<u>TM 99310.000</u>	99330.000
%RSD		0.000	<u>TM 0.977</u>	0.572
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		<u>T 82.504%</u>	86.468%	0.397
%RSD		<u>T 0.501</u>	2.330	86.360
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		<u>M 199.500</u>	198.800	12.020
%RSD		<u>M 0.490</u>	0.698	10.710
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		<u>T 994.500</u>	<u>T 49630.000</u>	<u>M 198.700</u>
%RSD		<u>T 0.302</u>	<u>T 0.850</u>	<u>M 0.781</u>
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		<u>M 198.200</u>	197.900	<u>M 198.100</u>
%RSD		<u>M 1.197</u>	0.583	<u>M 0.929</u>
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		82.274%	<u>M 199.400</u>	-0.700
%RSD		0.484	<u>M 1.019</u>	18.930
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		<u>M 199.800</u>	<u>M 200.000</u>	0.603
%RSD		<u>M 1.650</u>	<u>M 0.462</u>	20.490
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	198.100	114.400
%RSD		0.000	0.491	13.430
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		<u>M 198.000</u>	86.276%	0.206
%RSD		<u>M 0.910</u>	1.340	16.830
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.231	<u>M 199.400</u>	0.000
%RSD		6.670	<u>M 0.567</u>	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		91.201%	0.575	<u>T 198.600</u>
%RSD		1.155	14.320	<u>T 0.520</u>
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		198.000	79.609%	
%RSD		0.222	1.399	

STD4-664981, 12/10/2012 09:03:08

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		80.638%	0.087	M 200.000
%RSD		0.726	2.258	M 1.769
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		42.610	39.200	3.294
%RSD		2.953	17.090	84.850
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	48.900	58.350
%RSD		0.000	1.690	4.301
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		182.829%	85.364%	M 198.100
%RSD		10.326	1.747	M 2.683
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.188	0.139	-4.372
%RSD		97.420	13.600	4.954
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		0.787	34.470	0.079
%RSD		1.523	6.637	34.050
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		0.397	0.338	2.702
%RSD		31.720	21.570	9.989
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		86.942%	0.044	0.101
%RSD		0.626	309.400	37.780
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.139	0.062	196.800
%RSD		80.480	8.893	0.710
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.106	10.380
%RSD		0.000	13.110	34.490
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.011	90.382%	M 199.300
%RSD		315.600	1.344	M 0.848
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		M 199.300	0.093	0.000
%RSD		M 0.769	22.610	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		93.152%	197.200	0.618
%RSD		1.111	0.381	6.562
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.114	95.013%	
%RSD		1.597	0.960	

ICV-665060, 12/10/2012 09:08:05 QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		82.921%	102.314%	97.672%
%RSD		0.161	0.425	2.091
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		<u>101.596%</u>	101.377%	99.804%
%RSD		<u>0.892</u>	1.809	1.323
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	<u>100.796%</u>	101.192%
%RSD		0.000	<u>0.332</u>	0.066
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		<u>84.007%</u>	86.571%	99.909%
%RSD		<u>0.333</u>	0.159	3.663
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		100.046%	101.844%	1.071
%RSD		0.852	0.277	110.800
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		<u>103.190%</u>	<u>101.540%</u>	101.215%
%RSD		<u>0.223</u>	<u>0.671</u>	0.155
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		102.989%	104.272%	106.044%
%RSD		0.329	0.585	1.439
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		84.689%	101.228%	-0.194
%RSD		0.650	0.895	60.900
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		101.234%	96.508%	104.075%
%RSD		2.236	0.440	0.474
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	104.297%	83.170
%RSD		0.000	0.053	42.040
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		103.767%	87.753%	100.133%
%RSD		0.447	0.915	0.916
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		102.672%	100.570%	0.000
%RSD		0.497	1.365	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		93.345%	105.636%	102.837%
%RSD		1.314	0.269	0.396
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		104.804%	86.149%	
%RSD		0.684	0.898	

ICB 12/10/2012 09:15:16 QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		82.427%	0.045	-4.053
%RSD		0.179	23.740	17.290
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		19.070	22.430	5.041
%RSD		6.611	12.520	60.250
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	7.567	38.340
%RSD		0.000	14.890	16.470
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		82.997%	85.716%	0.357
%RSD		0.111	1.430	20.480
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		-0.100	0.026	-4.674
%RSD		252.600	52.510	5.620
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		0.636	15.540	0.040
%RSD		3.602	12.960	17.650
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		0.079	0.068	0.696
%RSD		56.740	85.090	20.260
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		86.595%	-0.044	-0.018
%RSD		1.311	202.400	247.100
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		-0.021	0.379	0.417
%RSD		556.800	17.580	28.120
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.007	-0.577
%RSD		0.000	41.370	211.300
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.038	90.498%	0.105
%RSD		51.360	0.488	24.610
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.112	0.067	0.000
%RSD		4.421	39.590	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		93.104%	0.678	0.419
%RSD		1.302	10.840	5.233
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.272	94.514%	
%RSD		5.451	0.429	

CRI-751770, 12/10/2012 09:20:16 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		86.032%	107.499%	47.118%
%RSD		0.159	4.822	15.550
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		100.953%	109.640%	95.727%
%RSD		1.282	1.785	3.146
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	101.265%	100.205%
%RSD		0.000	0.263	1.964
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		85.646%	88.380%	106.139%
%RSD		0.432	1.277	7.053
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		100.091%	102.221%	-4.188
%RSD		3.520	3.789	8.068
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		117.023%	121.268%	105.232%
%RSD		2.199	3.060	3.858
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		102.582%	115.652%	110.395%
%RSD		4.311	4.820	3.445
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		88.555%	95.088%	-0.142
%RSD		0.672	11.850	42.920
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		97.144%	91.262%	100.162%
%RSD		9.810	1.271	0.532
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	120.400%	6.156
%RSD		0.000	6.848	103.900
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		103.364%	91.879%	102.016%
%RSD		8.957	1.124	0.842
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		102.780%	108.371%	0.000
%RSD		4.031	4.938	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		94.566%	99.681%	119.057%
%RSD		0.658	1.464	1.286
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		112.559%	95.907%	
%RSD		0.087	0.710	

ICSA-726956, 12/10/2012 09:26:46 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		79.936%	0.002	-4.104
%RSD		0.445	284.400	13.190
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		<u>50500.000</u>	50070.000	<u>M49820.000</u>
%RSD		<u>1.031</u>	1.242	<u>M0.714</u>
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	<u>50330.000</u>	51120.000
%RSD		0.000	<u>0.453</u>	0.319
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		<u>78.624%</u>	84.648%	<u>M1018.000</u>
%RSD		<u>0.442</u>	2.011	<u>M0.274</u>
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.067	0.562	-2.963
%RSD		76.760	4.519	10.250
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		0.068	<u>TM50240.000</u>	0.040
%RSD		5.274	<u>TM0.553</u>	32.120
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		0.309	0.202	0.849
%RSD		9.592	21.810	30.830
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		82.952%	0.131	-0.211
%RSD		1.649	135.100	30.290
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		-0.031	0.099	<u>M1003.000</u>
%RSD		149.800	23.690	<u>M1.041</u>
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.040	62.250
%RSD		0.000	17.640	10.130
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		-0.022	86.934%	0.086
%RSD		157.400	1.100	5.934
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.170	0.029	0.000
%RSD		6.394	70.730	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		90.958%	0.312	0.168
%RSD		1.657	7.463	3.475
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.155	84.385%	
%RSD		5.537	1.623	

ICSAB-723527, 12/10/2012 09:31:47 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		80.207%	101.008%	92.918%
%RSD		0.247	0.548	1.135
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		<u>101.002%</u>	100.227%	<u>M 99.861%</u>
%RSD		<u>0.145</u>	0.643	<u>M 0.617</u>
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	<u>102.099%</u>	102.527%
%RSD		0.000	<u>0.080</u>	0.235
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		<u>79.113%</u>	85.225%	<u>M 102.118%</u>
%RSD		<u>0.809</u>	0.923	<u>M 1.306</u>
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		99.284%	101.479%	6.226
%RSD		0.693	0.339	17.020
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		100.409%	<u>TM 101.907%</u>	100.605%
%RSD		0.387	<u>TM 0.400</u>	0.806
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		102.459%	102.498%	104.612%
%RSD		1.418	0.853	1.917
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		83.000%	100.271%	-0.240
%RSD		0.751	1.112	102.300
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		100.400%	96.987%	<u>M 1122.000</u>
%RSD		1.051	0.710	<u>M 1.193</u>
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	103.151%	171.000
%RSD		0.000	0.621	10.650
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		103.385%	87.354%	101.923%
%RSD		1.628	0.721	1.313
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		101.491%	102.542%	0.000
%RSD		1.315	1.016	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		93.035%	103.789%	103.157%
%RSD		1.202	0.780	0.449
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		105.605%	86.345%	
%RSD		0.202	1.182	

CCV 12/10/2012 09:38:58 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		84.179%	101.876%	95.446%
%RSD		0.440	0.529	1.426
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		<u>102.040%</u>	100.981%	105.270%
%RSD		<u>0.809</u>	0.519	3.414
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	<u>100.713%</u>	102.075%
%RSD		0.000	<u>0.191</u>	0.399
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		<u>184.110%</u>	87.787%	103.467%
%RSD		<u>0.718</u>	0.920	4.256
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		99.251%	101.714%	5.252
%RSD		0.998	0.433	19.330
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		<u>103.254%</u>	<u>102.301%</u>	102.207%
%RSD		<u>0.245</u>	<u>0.228</u>	1.173
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		103.138%	103.246%	104.220%
%RSD		0.672	1.230	0.849
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		84.869%	101.146%	-0.444
%RSD		1.114	0.709	33.100
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		100.811%	100.385%	115.989%
%RSD		1.544	0.897	1.323
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	103.587%	71.510
%RSD		0.000	0.463	34.560
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		103.001%	88.589%	101.274%
%RSD		0.150	0.424	1.283
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		102.279%	101.522%	0.000
%RSD		0.302	0.477	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		94.551%	106.340%	103.507%
%RSD		1.134	0.534	0.324
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		104.689%	86.462%	
%RSD		0.394	1.094	

CCB 12/10/2012 09:46:08 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		84.059%	0.046	-7.096
%RSD		0.578	21.340	5.115
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		23.100	26.430	6.265
%RSD		9.057	0.677	50.930
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	11.800	40.610
%RSD		0.000	0.311	10.280
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		83.311%	86.255%	0.356
%RSD		0.629	0.668	43.960
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.096	0.042	-4.647
%RSD		169.600	29.880	2.412
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		0.647	19.040	0.045
%RSD		1.352	6.702	40.560
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		0.094	0.119	0.509
%RSD		49.730	35.870	26.700
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		87.008%	-0.079	-0.033
%RSD		0.439	88.630	246.700
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		-0.023	0.343	2.170
%RSD		379.600	4.631	4.731
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.018	0.081
%RSD		0.000	25.810	173.200
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.024	91.505%	0.105
%RSD		85.690	0.597	22.410
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.174	0.097	0.000
%RSD		16.500	52.810	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		94.084%	0.743	0.514
%RSD		1.208	11.270	6.685
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.269	95.676%	
%RSD		3.381	0.862	

2XLCS 12/10/2012 09:51:04 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		82.670%	<u>M 2060.000</u>	191.900
%RSD		0.276	<u>M 0.259</u>	1.001
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		19910.000	21030.000	<u>M 20360.000</u>
%RSD		0.536	2.270	<u>M 0.279</u>
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	<u>T 20450.000</u>	21020.000
%RSD		0.000	<u>T 0.373</u>	0.250
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		<u>T 82.809%</u>	88.551%	<u>M 205.900</u>
%RSD		<u>T 0.761</u>	0.552	<u>M 2.461</u>
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		<u>M 1972.000</u>	<u>M 2047.000</u>	195.000
%RSD		<u>M 0.221</u>	<u>M 0.253</u>	2.121
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		<u>TM 2109.000</u>	<u>T 20570.000</u>	<u>TM 1824.000</u>
%RSD		<u>TM 0.154</u>	<u>T 0.532</u>	<u>TM 0.217</u>
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		<u>M 2042.000</u>	<u>M 2073.000</u>	<u>M 2118.000</u>
%RSD		<u>M 0.300</u>	<u>M 0.173</u>	<u>M 0.453</u>
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		87.798%	<u>M 2016.000</u>	-7.358
%RSD		0.550	<u>M 0.267</u>	10.160
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		<u>M 2038.000</u>	<u>M 1909.000</u>	<u>M 200.400</u>
%RSD		<u>M 0.317</u>	<u>M 0.241</u>	<u>M 1.276</u>
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	<u>M 209.400</u>	1414.000
%RSD		0.000	<u>M 0.384</u>	12.110
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		<u>M 2076.000</u>	92.343%	<u>M 202.100</u>
%RSD		<u>M 0.344</u>	0.958	<u>M 0.209</u>
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		<u>M 201.700</u>	<u>M 2024.000</u>	0.000
%RSD		<u>M 0.427</u>	<u>M 0.228</u>	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		97.698%	<u>M 201.000</u>	<u>TM 484.000</u>
%RSD		0.860	<u>M 0.790</u>	<u>TM 0.483</u>
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		<u>TM 2033.000</u>	93.190%	
%RSD		<u>TM 0.269</u>	0.691	

QSM HIGH 12/10/2012 09:58:17 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		84.205%	0.817	-6.580
%RSD		0.795	1.298	6.416
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		23.660	23.640	<u>TM 291400.000</u>
%RSD		2.569	24.570	<u>TM 0.338</u>
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		<u>TM 0.000</u>	43.790	<u>TM 312900.000</u>
%RSD		<u>TM 0.000</u>	2.120	<u>TM 0.176</u>
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		<u>TM 79.076%</u>	96.170%	1.523
%RSD		<u>TM 0.816</u>	1.502	33.450
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		<u>TM 4943.000</u>	<u>TM 4903.000</u>	639.800
%RSD		<u>TM 0.403</u>	<u>TM 0.527</u>	2.381
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		<u>TM 5277.000</u>	<u>TM 315800.000</u>	<u>TM 4469.000</u>
%RSD		<u>TM 0.207</u>	<u>TM 0.133</u>	<u>TM 0.784</u>
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		<u>M 4790.000</u>	<u>TM 4316.000</u>	<u>M 4516.000</u>
%RSD		<u>M 0.482</u>	<u>TM 0.800</u>	<u>M 0.709</u>
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		93.224%	<u>M 4869.000</u>	-0.271
%RSD		2.022	<u>M 0.182</u>	12.430
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		1.127	2.572	1.854
%RSD		11.500	2.880	4.276
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.131	-1.471
%RSD		0.000	7.165	710.700
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		1.914	99.075%	0.549
%RSD		11.120	1.205	9.554
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		1.425	<u>TM 4907.000</u>	0.000
%RSD		8.689	<u>TM 0.451</u>	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		91.482%	2.068	1.988
%RSD		1.469	9.428	2.992
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		<u>TM 5206.000</u>	86.434%	
%RSD		<u>TM 0.163</u>	1.264	

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		100.766%	0.022	-10.280
%RSD		0.554	40.760	2.201
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		-0.950	2.936	35.740
%RSD		21.430	92.420	31.090
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	-3.948	36.440
%RSD		0.000	5.804	10.990
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		197.339%	100.802%	0.038
%RSD		10.605	0.686	173.200
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.855	0.681	-2.136
%RSD		14.300	36.190	29.600
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		0.370	57.540	0.735
%RSD		1.529	31.480	30.640
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		0.843	0.932	1.320
%RSD		35.600	38.690	7.350
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		100.461%	1.143	-0.045
%RSD		0.233	30.610	81.160
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.061	0.023	0.281
%RSD		159.300	116.300	29.890
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.012	0.671
%RSD		0.000	49.960	117.800
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.062	103.001%	0.162
%RSD		46.520	0.170	14.750
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.179	0.717	0.000
%RSD		14.930	29.520	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		105.769%	0.509	0.412
%RSD		0.476	4.387	4.348
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.898	106.438%	
%RSD		28.900	0.391	

CCV 12/10/2012 10:10:38 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		88.821%	100.425%	90.161%
%RSD		0.820	0.435	1.129
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		<u>103.986%</u>	103.874%	105.354%
%RSD		<u>0.561</u>	0.689	1.541
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	<u>102.791%</u>	102.169%
%RSD		0.000	<u>0.336</u>	0.481
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		<u>85.968%</u>	93.127%	103.723%
%RSD		<u>0.489</u>	0.540	2.107
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		99.464%	101.946%	4.979
%RSD		1.349	0.471	20.870
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		<u>103.480%</u>	<u>102.988%</u>	102.429%
%RSD		<u>0.360</u>	<u>0.788</u>	0.719
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		103.005%	104.756%	105.009%
%RSD		0.192	0.619	1.011
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		89.821%	101.403%	-0.419
%RSD		1.035	0.757	11.280
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		99.949%	99.327%	106.649%
%RSD		2.448	0.924	0.729
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	104.857%	48.160
%RSD		0.000	0.673	67.630
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		103.728%	93.259%	100.722%
%RSD		0.775	1.034	0.853
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		101.152%	100.782%	0.000
%RSD		0.144	0.847	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		99.853%	106.070%	103.139%
%RSD		1.016	0.312	0.352
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		105.199%	91.655%	
%RSD		0.385	1.369	

CCB 12/10/2012 10:17:49 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		84.735%	0.067	-10.200
%RSD		0.526	21.870	3.742
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		25.700	29.550	5.607
%RSD		1.475	9.163	22.950
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	17.220	46.300
%RSD		0.000	2.325	6.069
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		±82.763%	87.080%	0.178
%RSD		±0.219	1.646	86.600
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.130	0.053	-4.990
%RSD		140.500	48.910	5.444
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		0.727	21.950	0.070
%RSD		2.093	8.399	23.280
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		0.088	0.114	0.336
%RSD		13.020	31.300	57.140
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		87.571%	-0.040	-0.054
%RSD		1.103	103.300	25.050
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.102	0.364	0.277
%RSD		50.570	1.684	63.920
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.032	-0.274
%RSD		0.000	14.470	374.400
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.062	92.059%	0.103
%RSD		23.070	0.631	12.070
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.197	0.101	0.000
%RSD		17.720	68.140	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		96.639%	0.690	0.566
%RSD		0.340	10.000	5.597
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.278	99.271%	
%RSD		3.753	0.212	

mb 240-66568/1-a, 12/10/2012 10:22:52 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		84.980%	0.010	-9.747
%RSD		0.529	25.050	1.333
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		0.584	2.068	-2.863
%RSD		270.500	55.970	53.080
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	-3.601	34.490
%RSD		0.000	5.003	17.850
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		83.608%	87.127%	0.132
%RSD		0.456	1.129	100.700
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.072	0.104	-5.340
%RSD		84.200	28.510	2.635
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		0.255	4.141	0.006
%RSD		3.756	32.840	175.800
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		0.125	0.250	2.220
%RSD		62.750	17.950	15.080
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		89.146%	0.015	0.170
%RSD		0.693	881.900	20.050
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.008	-0.015	-0.099
%RSD		258.000	83.210	19.930
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.007	0.294
%RSD		0.000	74.480	173.200
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.005	92.680%	5.314
%RSD		186.100	0.312	1.344
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.083	-0.034	0.000
%RSD		28.420	1.955	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		97.412%	0.259	0.326
%RSD		0.789	3.943	4.145
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.061	100.341%	
%RSD		36.750	0.552	

Ics 240-66568/2-a, 12/10/2012 10:27:51 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		86.282%	M 987.900	86.580
%RSD		0.293	M 0.378	0.505
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		9827.000	10310.000	M 9863.000
%RSD		1.036	1.051	M 1.330
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	T 10010.000	10160.000
%RSD		0.000	T 0.546	0.729
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		T 85.334%	91.277%	97.700
%RSD		T 0.555	1.373	3.458
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		M 941.700	M 985.500	89.510
%RSD		M 0.509	M 0.727	5.043
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		TM 1017.000	T 9938.000	M 958.700
%RSD		TM 0.090	T 0.706	M 0.683
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		M 1005.000	M 1020.000	M 1030.000
%RSD		M 0.775	M 0.462	M 0.572
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		91.837%	M 960.300	-3.270
%RSD		0.814	M 0.852	15.950
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		M 965.100	M 898.400	96.690
%RSD		M 0.445	M 0.222	0.772
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	105.000	457.200
%RSD		0.000	0.461	38.460
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		M 1010.000	94.815%	98.030
%RSD		M 0.454	0.296	0.379
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		97.950	M 962.800	0.000
%RSD		1.048	M 0.314	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		100.689%	96.680	TM 228.600
%RSD		0.909	0.765	TM 0.458
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		TM 993.700	99.129%	
%RSD		TM 0.514	0.471	

240-17796 -a-20-b, 12/10/2012 10:35:00 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		88.800%	0.078	-10.560
%RSD		0.437	6.733	3.348
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		85.970	6.346	0.090
%RSD		1.993	24.140	747.500
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	-0.198	330.600
%RSD		0.000	233.200	1.932
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		187.678%	88.986%	0.129
%RSD		10.363	0.262	0.270
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.194	0.604	-4.707
%RSD		138.300	4.540	6.110
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		3.482	39.340	0.032
%RSD		1.074	1.058	14.530
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		20.140	0.600	10.280
%RSD		2.481	15.490	1.754
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		90.334%	0.020	0.183
%RSD		0.766	625.700	13.690
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.167	0.105	0.185
%RSD		29.790	17.650	57.530
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.004	-0.264
%RSD		0.000	56.240	173.200
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.032	94.317%	1.050
%RSD		39.490	0.494	4.711
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.336	0.085	0.000
%RSD		1.253	52.830	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		99.419%	0.791	0.752
%RSD		0.796	10.430	5.638
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.109	101.089%	
%RSD		4.519	0.330	

CCV 1 12/10/2012 10:42:10 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		86.461%	100.537%	89.284%
%RSD		0.500	0.374	0.889
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		103.124%	102.584%	106.013%
%RSD		1.125	1.235	2.268
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	101.049%	102.064%
%RSD		0.000	0.335	0.375
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		84.116%	89.950%	103.836%
%RSD		0.937	1.715	3.658
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		99.868%	102.119%	5.112
%RSD		1.278	1.241	14.090
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		103.376%	102.411%	102.622%
%RSD		0.356	0.482	0.547
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		104.224%	105.068%	105.219%
%RSD		0.592	1.435	0.567
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		86.808%	102.336%	-0.420
%RSD		0.694	1.262	20.540
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		101.200%	99.847%	106.098%
%RSD		1.713	0.552	1.224
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	104.303%	92.970
%RSD		0.000	0.343	19.470
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		104.013%	91.239%	101.573%
%RSD		0.405	0.924	0.340
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		101.071%	100.530%	0.000
%RSD		0.614	1.239	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		97.493%	106.385%	103.603%
%RSD		1.194	0.149	0.277
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		105.038%	89.202%	
%RSD		0.334	1.272	

CCB 1 12/10/2012 10:49:20 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		85.109%	0.081	-11.680
%RSD		0.178	4.979	5.055
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		34.690	41.390	8.901
%RSD		4.916	16.030	20.340
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	23.430	57.520
%RSD		0.000	3.231	6.972
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		82.991%	86.463%	0.132
%RSD		0.373	0.841	99.450
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.137	0.083	-5.248
%RSD		130.100	25.140	4.534
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		0.857	28.930	0.123
%RSD		3.121	3.131	17.180
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		0.159	0.148	0.587
%RSD		6.044	34.880	26.590
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		87.098%	-0.030	-0.048
%RSD		1.277	589.100	57.640
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		-0.017	0.383	0.218
%RSD		334.400	5.128	33.030
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.045	0.016
%RSD		0.000	21.820	5852.000
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.082	91.667%	0.126
%RSD		42.320	1.774	25.160
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.199	0.209	0.000
%RSD		18.100	26.160	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		97.196%	0.649	0.614
%RSD		1.228	9.558	6.216
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.353	99.215%	
%RSD		4.516	1.183	

mb 240-65311/1-a, 12/10/2012 10:54:26 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		87.510%	0.006	-12.780
%RSD		0.199	27.920	2.555
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		60.310	67.440	-0.778
%RSD		3.492	11.230	91.750
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	20.670	259.800
%RSD		0.000	0.627	3.521
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		84.759%	88.162%	0.261
%RSD		0.169	0.494	99.880
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.019	0.016	-5.006
%RSD		874.400	79.440	7.190
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		0.505	12.380	-0.009
%RSD		1.058	3.410	21.420
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		0.091	0.664	10.400
%RSD		28.080	2.285	0.680
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		88.934%	-0.056	0.204
%RSD		0.874	168.600	14.160
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		-0.046	0.452	-0.236
%RSD		84.880	7.113	3.766
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	-0.001	-0.215
%RSD		0.000	177.200	173.200
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.009	92.784%	0.109
%RSD		55.420	0.243	18.130
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.103	0.850	0.000
%RSD		26.110	6.294	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		98.429%	0.269	0.348
%RSD		0.543	8.130	2.892
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.044	100.519%	
%RSD		14.840	0.824	

Ics 240-65311/2-a, 12/10/2012 10:59:22 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		87.499%	M 944.400	77.150
%RSD		0.721	M 0.692	0.605
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		9124.000	9480.000	M 9163.000
%RSD		0.539	0.837	M 0.915
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	T 9230.000	9585.000
%RSD		0.000	T 0.393	0.384
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		T 84.972%	91.109%	92.770
%RSD		T 0.716	1.205	1.139
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		M 903.200	M 948.000	86.640
%RSD		M 0.783	M 0.620	6.572
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		T 979.800	T 9155.000	M 923.800
%RSD		T 0.249	T 0.981	M 0.960
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		M 967.800	M 991.200	M 1005.000
%RSD		M 1.038	M 1.009	M 0.985
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		90.709%	M 933.200	-3.082
%RSD		1.578	M 0.578	15.610
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		M 938.200	M 867.800	89.970
%RSD		M 0.597	M 0.958	1.250
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	98.520	680.900
%RSD		0.000	0.280	34.050
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		M 973.400	95.101%	90.910
%RSD		M 0.369	0.797	0.856
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		92.040	M 926.700	0.000
%RSD		1.380	M 0.692	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		101.115%	89.910	TM 220.200
%RSD		0.858	0.773	TM 0.149
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		TM 953.400	98.976%	
%RSD		TM 0.118	0.941	

240-17422 -b-13 -a, 12/10/2012 11:06:33 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		88.360%	0.068	47.740
%RSD		0.362	17.600	0.813
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		4823.000	10520.000	171.600
%RSD		0.426	0.612	4.020
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	±2839.000	48240.000
%RSD		0.000	±0.517	0.129
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		±88.114%	93.377%	2.300
%RSD		±0.628	1.057	14.500
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.290	0.296	-3.817
%RSD		19.920	3.819	4.505
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		98.030	435.800	0.157
%RSD		0.448	0.419	5.714
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		0.552	0.828	3.254
%RSD		6.616	9.432	11.100
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		93.317%	0.671	0.148
%RSD		1.546	11.190	27.690
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.434	104.900	0.299
%RSD		6.736	1.732	37.330
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.004	-0.550
%RSD		0.000	147.700	135.600
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.039	96.358%	0.177
%RSD		35.540	1.691	22.650
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.416	22.360	0.000
%RSD		10.530	0.849	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		101.788%	0.769	0.821
%RSD		1.125	11.740	8.184
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.320	98.833%	
%RSD		2.813	0.688	

SD 240-17422 -b-13 -a@5, 12/10/2012 11:13:45 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		93.177%	0.015	-0.201
%RSD		0.337	29.820	340.000
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		978.600	2179.000	33.440
%RSD		1.000	1.468	13.740
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	591.000	9815.000
%RSD		0.000	0.084	0.695
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		189.424%	92.538%	0.869
%RSD		1.051	1.035	37.450
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.083	0.026	-2.700
%RSD		195.600	30.440	16.010
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		20.170	86.610	0.029
%RSD		0.269	1.598	52.400
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		0.167	0.229	0.744
%RSD		26.530	20.460	17.500
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		92.781%	0.042	0.037
%RSD		0.371	271.100	67.960
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.010	20.620	-0.253
%RSD		344.800	2.495	16.940
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.001	0.000
%RSD		0.000	190.500	0.000
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.007	96.283%	0.037
%RSD		265.200	0.490	22.510
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.129	4.303	0.000
%RSD		19.120	4.653	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		100.814%	0.232	0.361
%RSD		0.901	1.232	1.781
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.053	101.089%	
%RSD		4.634	0.587	

240-17422 -b-13 -b du, 12/10/2012 11:18:43 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		90.489%	0.018	45.400
%RSD		0.237	3.243	1.752
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		4776.000	10630.000	166.300
%RSD		1.293	1.883	5.691
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	±2843.000	48030.000
%RSD		0.000	±0.069	0.335
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		±87.534%	90.822%	3.041
%RSD		±0.645	1.404	23.470
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.422	0.304	-3.454
%RSD		28.320	15.430	7.729
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		97.220	428.600	0.112
%RSD		0.098	0.610	21.120
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		0.681	0.841	3.291
%RSD		8.287	9.189	2.340
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		91.782%	0.613	0.122
%RSD		0.437	9.955	19.550
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.141	103.300	-0.123
%RSD		86.570	0.690	42.990
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.003	-0.211
%RSD		0.000	67.700	173.200
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.010	94.259%	0.070
%RSD		27.380	0.245	48.680
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.141	21.910	0.000
%RSD		10.260	1.244	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		100.187%	0.165	0.297
%RSD		0.946	3.709	1.611
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.288	97.528%	
%RSD		2.405	0.894	

240-17422 -b-13 -c ms, 12/10/2012 11:23:41 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		90.210%	98.070	142.500
%RSD		0.277	0.169	1.202
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		15050.000	21370.000	<u>M10330.000</u>
%RSD		0.871	1.541	<u>M0.861</u>
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	<u>T13260.000</u>	59360.000
%RSD		0.000	<u>T0.606</u>	0.242
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		<u>T84.405%</u>	88.886%	101.300
%RSD		<u>T0.802</u>	0.429	5.343
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		96.910	98.870	4.942
%RSD		0.874	0.198	20.210
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		<u>T198.900</u>	<u>T10560.000</u>	98.880
%RSD		<u>T0.477</u>	<u>T0.488</u>	0.651
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		101.300	102.600	107.600
%RSD		1.118	1.602	0.866
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		87.422%	99.600	-0.261
%RSD		1.197	0.419	41.040
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		96.420	<u>M198.700</u>	97.380
%RSD		1.836	<u>M0.877</u>	0.789
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	103.200	33.890
%RSD		0.000	0.502	116.200
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		102.200	90.715%	98.420
%RSD		0.676	0.989	0.498
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		98.880	121.000	0.000
%RSD		0.305	0.621	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		97.909%	98.470	98.540
%RSD		1.127	0.889	0.448
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		104.800	93.071%	
%RSD		0.628	0.838	

PDS 240-17422 -b-13 -a, 12/10/2012 11:30:53 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		84.376%	101.900	143.100
%RSD		0.705	0.680	1.527
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		15770.000	21850.000	<u>M11310.000</u>
%RSD		0.161	1.543	<u>M0.438</u>
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	<u>T14160.000</u>	58650.000
%RSD		0.000	<u>T0.417</u>	0.282
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		<u>T81.724%</u>	87.993%	96.300
%RSD		<u>T0.520</u>	0.794	4.510
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		100.000	101.400	4.619
%RSD		0.477	0.715	7.396
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		<u>T200.000</u>	<u>T11640.000</u>	101.700
%RSD		<u>T0.156</u>	<u>T0.269</u>	0.359
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		103.100	105.800	108.500
%RSD		0.374	0.171	0.758
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		87.461%	103.000	-0.283
%RSD		0.599	0.559	51.100
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		100.100	196.700	96.420
%RSD		2.477	0.109	1.216
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	102.200	44.470
%RSD		0.000	0.690	159.600
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		105.300	90.886%	97.530
%RSD		0.928	0.204	0.959
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		95.150	123.700	0.000
%RSD		0.893	0.699	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		97.827%	98.470	104.000
%RSD		1.830	0.469	0.450
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		108.200	92.820%	
%RSD		0.419	1.134	

240-17477 -a-4-a, 12/10/2012 11:38:05 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		86.620%	0.037	8.772
%RSD		0.494	7.018	2.356
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		3947.000	8306.000	320.600
%RSD		0.408	0.635	2.873
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	1883.000	31440.000
%RSD		0.000	0.245	0.227
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		84.796%	89.941%	4.131
%RSD		0.846	0.689	11.540
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.723	0.434	-3.686
%RSD		43.610	7.963	7.802
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		329.000	1273.000	0.307
%RSD		0.353	0.625	15.830
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		0.904	1.615	11.800
%RSD		17.700	8.128	2.107
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		90.968%	0.783	0.186
%RSD		1.008	14.010	15.060
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.161	58.880	0.705
%RSD		51.090	0.506	8.047
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.093	-1.207
%RSD		0.000	49.290	172.100
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.109	94.000%	0.750
%RSD		65.670	1.221	7.772
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		1.025	34.360	0.000
%RSD		18.330	1.083	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		100.038%	1.216	0.429
%RSD		1.239	10.080	6.594
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.588	99.128%	
%RSD		7.265	0.909	

240-17477 -a-4-b du, 12/10/2012 11:43:03 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		90.712%	0.018	10.010
%RSD		0.660	11.900	0.987
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		4157.000	8890.000	318.700
%RSD		1.006	1.350	0.926
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	±2036.000	33750.000
%RSD		0.000	±0.575	0.454
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		±87.051%	91.385%	4.020
%RSD		±0.305	0.700	16.730
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.647	0.353	-2.889
%RSD		17.590	3.313	10.900
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		±355.400	1328.000	0.233
%RSD		±0.460	0.566	9.927
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		0.794	0.842	3.861
%RSD		7.821	15.010	6.886
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		91.970%	0.734	0.169
%RSD		0.965	10.860	20.000
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.013	63.330	0.050
%RSD		533.000	0.942	110.100
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.005	-1.553
%RSD		0.000	70.680	53.980
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.015	94.664%	0.111
%RSD		51.060	1.632	28.710
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.384	36.050	0.000
%RSD		12.320	1.456	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		101.312%	0.489	0.255
%RSD		0.260	3.595	3.161
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.383	99.033%	
%RSD		2.434	0.622	

240-17477 -a-4-c ms, 12/10/2012 11:48:00 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		88.827%	97.950	103.300
%RSD		0.879	0.777	0.612
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		14130.000	19350.000	M 10400.000
%RSD		0.231	1.509	M 0.924
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	T 12240.000	42940.000
%RSD		0.000	T 0.221	0.066
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		T 84.238%	87.676%	99.160
%RSD		T 0.243	0.770	4.367
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		96.330	98.620	5.261
%RSD		0.335	0.689	13.390
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		T 445.300	T 11310.000	98.310
%RSD		T 0.206	T 0.362	0.113
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		101.100	101.300	105.000
%RSD		0.691	1.213	1.827
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		87.861%	98.350	-0.084
%RSD		0.851	0.881	116.000
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		97.800	152.800	96.440
%RSD		1.026	0.429	0.958
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	103.300	81.660
%RSD		0.000	0.418	39.370
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		102.400	90.325%	97.760
%RSD		0.650	0.419	0.738
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		98.290	131.800	0.000
%RSD		0.547	0.726	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		98.187%	97.250	97.210
%RSD		0.672	0.453	0.080
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		105.100	93.998%	
%RSD		0.395	0.946	

CCV 2 12/10/2012 11:55:08 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		90.520%	98.849%	88.044%
%RSD		0.186	0.086	2.094
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		<u>104.279%</u>	103.948%	109.726%
%RSD		<u>0.766</u>	0.512	1.992
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	<u>102.222%</u>	101.767%
%RSD		0.000	<u>0.661</u>	0.119
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		<u>85.526%</u>	90.264%	103.380%
%RSD		<u>0.612</u>	1.104	0.848
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		100.617%	102.412%	4.688
%RSD		1.189	0.257	5.527
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		<u>102.959%</u>	<u>103.793%</u>	101.810%
%RSD		<u>0.437</u>	<u>0.361</u>	0.409
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		103.267%	103.570%	103.803%
%RSD		0.122	0.560	0.524
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		87.580%	102.016%	-0.457
%RSD		0.851	0.399	12.480
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		100.861%	99.820%	106.530%
%RSD		2.619	0.469	0.598
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	104.523%	2.928
%RSD		0.000	0.195	1178.000
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		104.316%	91.062%	101.894%
%RSD		0.290	1.135	0.973
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		102.085%	100.565%	0.000
%RSD		0.358	1.032	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		98.578%	107.000%	102.958%
%RSD		0.925	0.291	0.617
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		105.387%	90.141%	
%RSD		0.434	0.658	

CCB 2 12/10/2012 12:02:17 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		85.557%	0.101	-11.870
%RSD		0.255	17.580	3.118
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		53.750	54.360	7.607
%RSD		23.600	37.680	34.790
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	30.560	55.780
%RSD		0.000	0.343	2.287
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		±82.552%	87.032%	0.221
%RSD		±0.662	0.551	173.200
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.243	0.107	-4.787
%RSD		110.600	19.600	8.180
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		0.876	36.160	0.162
%RSD		2.797	17.800	11.600
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		0.202	0.205	0.457
%RSD		43.900	21.090	35.480
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		87.287%	0.010	-0.063
%RSD		0.646	949.600	46.260
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.229	0.397	0.266
%RSD		33.840	6.436	17.580
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.082	-0.035
%RSD		0.000	39.770	3804.000
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.140	91.322%	0.188
%RSD		4.850	0.550	25.970
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.298	0.206	0.000
%RSD		16.740	22.610	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		97.085%	0.831	0.657
%RSD		1.401	7.159	3.807
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.395	99.498%	
%RSD		9.444	1.086	

240-17422 -a-14-a, 12/10/2012 12:09:28 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		87.121%	0.010	43.510
%RSD		0.211	54.750	1.785
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		4527.000	9987.000	87.070
%RSD		1.034	1.323	1.429
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	±2795.000	45990.000
%RSD		0.000	±0.580	0.315
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		±85.813%	91.985%	1.587
%RSD		±0.726	1.745	24.480
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.273	0.163	-4.073
%RSD		40.980	15.520	5.896
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		100.100	313.000	0.099
%RSD		1.499	0.543	12.500
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		0.531	0.742	3.662
%RSD		7.580	14.210	14.100
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		91.843%	0.539	0.167
%RSD		0.761	18.700	30.070
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.056	99.700	-0.085
%RSD		309.500	0.986	54.160
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.001	0.649
%RSD		0.000	52.700	55.850
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.021	95.671%	0.183
%RSD		34.710	1.157	15.760
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.201	20.700	0.000
%RSD		12.460	1.278	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		101.833%	0.292	0.325
%RSD		0.945	2.947	3.447
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.216	98.765%	
%RSD		1.755	0.897	

240-17422 -a-15-a, 12/10/2012 12:14:23 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		89.796%	0.011	27.670
%RSD		0.505	31.760	1.551
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		9968.000	9298.000	68.030
%RSD		0.600	2.382	7.657
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	±2404.000	39920.000
%RSD		0.000	±0.474	0.228
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		±87.912%	90.756%	1.352
%RSD		±0.556	1.008	36.040
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.230	0.157	-3.975
%RSD		17.340	15.290	6.003
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		47.880	262.000	0.065
%RSD		0.852	0.343	14.310
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		0.666	1.890	11.390
%RSD		17.060	2.399	5.248
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		91.790%	0.496	0.149
%RSD		1.338	29.650	32.050
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.096	90.490	-0.045
%RSD		26.490	0.736	42.980
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.001	-0.551
%RSD		0.000	400.800	93.360
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.008	94.784%	0.099
%RSD		113.700	0.639	24.260
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.203	24.610	0.000
%RSD		11.620	0.560	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		102.590%	0.189	0.244
%RSD		0.720	8.078	2.724
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.245	99.434%	
%RSD		4.352	0.738	

240-17477 -a-1-a, 12/10/2012 12:19:20 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		93.016%	0.008	7.947
%RSD		0.313	61.120	4.735
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		4302.000	9405.000	53.820
%RSD		0.328	0.990	6.641
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	1683.000	32900.000
%RSD		0.000	0.433	0.518
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		89.059%	91.820%	0.834
%RSD		0.388	0.200	8.538
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.125	0.176	-2.771
%RSD		166.900	4.092	9.210
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		622.400	1443.000	0.293
%RSD		0.403	1.093	2.951
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		0.561	0.572	2.514
%RSD		24.430	9.789	11.340
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		92.063%	0.637	0.146
%RSD		0.741	34.820	27.180
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.051	62.390	-0.250
%RSD		246.600	0.811	6.350
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.002	0.445
%RSD		0.000	38.070	440.600
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.007	94.994%	0.040
%RSD		105.900	0.371	37.640
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.106	30.260	0.000
%RSD		6.548	0.715	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		101.869%	0.155	0.203
%RSD		0.629	5.215	7.265
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.096	99.721%	
%RSD		3.046	0.201	

240-17477 -a-2-a, 12/10/2012 12:24:15 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		91.532%	0.009	9.823
%RSD		0.168	19.140	7.731
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		4111.000	8965.000	249.200
%RSD		0.625	1.741	2.745
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	1999.000	32890.000
%RSD		0.000	0.625	0.114
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		88.033%	90.556%	3.085
%RSD		0.267	1.168	11.460
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.545	0.292	-2.930
%RSD		22.060	6.983	17.470
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		239.600	1043.000	0.167
%RSD		0.103	0.483	16.650
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		0.738	0.805	3.553
%RSD		7.767	7.477	6.337
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		90.876%	0.704	0.160
%RSD		1.332	3.593	8.539
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.062	62.920	-0.286
%RSD		66.620	0.094	4.885
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.002	0.230
%RSD		0.000	205.000	563.300
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.002	94.693%	0.065
%RSD		453.600	0.702	41.940
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.113	32.060	0.000
%RSD		20.310	1.714	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		101.565%	0.130	0.175
%RSD		0.677	6.306	0.965
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.306	99.849%	
%RSD		3.030	0.843	

240-17477 -a-3-a, 12/10/2012 12:29:17 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		90.864%	0.004	9.377
%RSD		0.374	166.100	5.954
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		4214.000	8865.000	38.330
%RSD		0.270	1.153	1.001
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	1836.000	32220.000
%RSD		0.000	0.270	0.658
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		87.467%	91.029%	0.505
%RSD		0.658	0.265	24.930
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.052	0.049	-2.799
%RSD		216.500	34.780	9.131
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		194.700	619.000	0.070
%RSD		0.256	0.457	22.990
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		0.429	0.401	3.696
%RSD		7.371	16.020	14.670
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		92.077%	0.324	0.179
%RSD		1.179	17.710	23.770
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.033	59.940	-0.335
%RSD		245.600	0.339	8.496
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	-0.001	0.370
%RSD		0.000	164.900	173.200
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.010	94.805%	0.066
%RSD		55.060	1.100	23.580
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.093	26.830	0.000
%RSD		15.880	1.506	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		101.948%	0.088	0.134
%RSD		0.794	11.810	4.899
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.060	99.893%	
%RSD		8.132	1.000	

CCV 3 12/10/2012 12:34:18 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		92.802%	99.478%	88.971%
%RSD		0.800	0.699	2.269
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		<u>103.126%</u>	104.575%	102.533%
%RSD		<u>1.224</u>	1.035	3.177
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	<u>104.271%</u>	101.687%
%RSD		0.000	<u>0.536</u>	0.232
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		<u>86.968%</u>	91.122%	102.421%
%RSD		<u>0.365</u>	1.264	4.894
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		99.806%	101.183%	4.857
%RSD		1.138	0.948	17.680
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		<u>102.503%</u>	<u>104.330%</u>	101.688%
%RSD		<u>0.233</u>	<u>0.463</u>	0.836
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		103.555%	103.849%	104.643%
%RSD		1.644	0.745	0.365
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		87.427%	101.565%	-0.329
%RSD		1.021	0.469	26.770
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		101.939%	100.083%	106.211%
%RSD		1.469	0.853	1.287
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	105.314%	30.180
%RSD		0.000	0.817	8.600
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		105.431%	90.391%	102.873%
%RSD		0.753	1.352	0.727
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		102.807%	101.974%	0.000
%RSD		1.157	0.681	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		98.915%	106.342%	101.998%
%RSD		0.468	0.903	0.163
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		106.495%	90.878%	
%RSD		0.862	0.884	

CCB 3 12/10/2012 12:41:31 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		84.056%	0.140	-10.870
%RSD		0.252	5.185	4.612
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		50.970	52.980	6.177
%RSD		2.837	15.890	7.345
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	39.490	71.150
%RSD		0.000	1.396	4.726
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		181.598%	85.349%	0.223
%RSD		1.0284	1.000	91.590
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.032	0.142	-4.115
%RSD		424.200	7.000	6.774
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		1.004	36.160	0.162
%RSD		1.107	2.111	3.367
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		0.175	0.233	0.450
%RSD		9.973	17.160	89.470
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		86.135%	0.003	-0.062
%RSD		0.693	1229.000	38.850
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.105	0.399	0.123
%RSD		121.300	9.425	117.700
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.082	0.315
%RSD		0.000	4.719	663.000
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.131	90.726%	0.128
%RSD		11.350	0.978	11.470
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.195	0.202	0.000
%RSD		10.110	32.310	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		97.973%	0.615	0.534
%RSD		0.444	9.701	4.301
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.394	99.828%	
%RSD		2.094	0.808	

donotuseCRI -751770 12/10/2012 12:46:36 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		87.854%	106.194%	-14.657%
%RSD		0.315	1.865	25.850
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		101.557%	107.138%	98.969%
%RSD		1.133	1.683	7.824
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	104.292%	101.667%
%RSD		0.000	0.315	1.614
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		84.566%	88.056%	96.603%
%RSD		0.519	1.151	2.159
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		98.582%	102.969%	-3.511
%RSD		5.362	4.542	5.638
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		122.007%	128.212%	103.901%
%RSD		1.772	0.742	3.558
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		110.648%	193.762%	113.251%
%RSD		4.042	3.003	6.507
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		87.955%	93.310%	-0.126
%RSD		0.472	7.973	21.280
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		93.006%	94.678%	94.326%
%RSD		16.190	3.229	1.115
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	116.997%	0.882
%RSD		0.000	3.518	189.900
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		127.798%	93.335%	100.474%
%RSD		7.515	0.798	1.635
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		107.782%	101.785%	0.000
%RSD		8.207	9.830	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		100.033%	100.300%	121.605%
%RSD		1.390	0.483	0.685
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		115.709%	101.072%	
%RSD		2.226	0.939	

CRI-751770 12/10/2012 12:52:36 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		88.671%	102.317%	-16.268%
%RSD		0.250	4.514	18.180
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		101.005%	107.514%	94.513%
%RSD		1.108	5.108	5.960
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	103.072%	98.945%
%RSD		0.000	0.330	1.698
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		85.006%	88.420%	108.289%
%RSD		0.458	1.235	9.388
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		96.765%	100.989%	-3.372
%RSD		3.332	0.602	8.963
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		110.913%	118.365%	107.276%
%RSD		2.388	1.043	4.023
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		103.778%	110.842%	105.515%
%RSD		9.223	3.264	2.106
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		88.576%	98.114%	-0.124
%RSD		1.230	5.744	33.270
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		96.002%	91.989%	93.323%
%RSD		19.600	1.409	2.969
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	114.757%	0.599
%RSD		0.000	2.204	352.700
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		103.505%	92.590%	101.410%
%RSD		10.260	1.032	0.332
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		104.332%	100.484%	0.000
%RSD		4.717	4.026	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		100.266%	99.507%	112.233%
%RSD		1.071	0.237	0.524
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		111.666%	101.548%	
%RSD		0.832	0.879	

MDLV 12/10/2012 12:57:38 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		90.357%	0.898	29.930
%RSD		0.276	3.477	1.451
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		408.000	339.100	56.100
%RSD		1.708	10.780	7.351
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	55.340	996.200
%RSD		0.000	1.741	1.959
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		185.474%	88.440%	0.992
%RSD		10.837	0.917	45.100
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		1.348	1.479	-2.849
%RSD		15.270	2.868	7.927
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		3.102	110.600	0.297
%RSD		0.153	0.435	9.217
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		1.816	4.216	21.300
%RSD		3.400	1.373	0.967
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		90.037%	0.911	-0.087
%RSD		0.465	9.525	29.180
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.364	2.756	3.494
%RSD		12.720	3.092	2.008
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.051	1.876
%RSD		0.000	14.180	160.800
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.783	93.295%	4.213
%RSD		8.963	1.155	2.948
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.566	4.062	0.000
%RSD		10.260	1.989	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		100.631%	0.233	1.072
%RSD		0.800	14.200	0.701
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.538	101.571%	
%RSD		2.708	0.289	

CCV 12/10/2012 13:02:36 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		89.776%	99.581%	90.071%
%RSD		0.222	0.193	1.630
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		$\pm 102.817\%$	104.572%	106.955%
%RSD		± 0.286	0.205	1.926
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	$\pm 104.851\%$	101.629%
%RSD		0.000	± 0.390	0.485
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		$\pm 85.611\%$	92.789%	100.871%
%RSD		± 0.714	1.439	1.047
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		99.295%	101.341%	4.714
%RSD		0.236	0.555	5.779
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		$\pm 102.851\%$	$\pm 104.864\%$	101.025%
%RSD		± 0.275	± 0.258	0.067
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		103.068%	103.214%	104.303%
%RSD		1.070	2.278	0.305
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		89.965%	102.469%	-0.410
%RSD		0.644	0.383	35.170
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		100.840%	99.135%	106.008%
%RSD		0.543	0.140	1.004
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	105.373%	91.780
%RSD		0.000	0.411	21.280
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		105.382%	92.924%	102.291%
%RSD		1.432	0.914	0.376
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		103.140%	102.051%	0.000
%RSD		0.517	0.515	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		101.696%	106.774%	102.558%
%RSD		1.167	0.547	0.454
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		106.318%	92.193%	
%RSD		0.357	1.160	

CCB 12/10/2012 13:09:48 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		85.922%	0.123	-10.630
%RSD		0.408	17.880	5.919
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		58.000	64.870	8.331
%RSD		6.712	8.912	29.320
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	45.680	71.870
%RSD		0.000	3.095	11.640
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		83.407%	87.914%	0.262
%RSD		0.318	1.207	50.960
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.009	0.169	-4.455
%RSD		2032.000	14.610	9.116
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		1.060	39.670	0.159
%RSD		2.676	0.269	6.583
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		0.185	0.181	0.534
%RSD		28.130	17.940	23.630
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		89.076%	0.069	-0.086
%RSD		0.638	141.500	19.460
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.171	0.427	0.086
%RSD		38.960	3.002	95.160
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.105	0.325
%RSD		0.000	9.641	364.800
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.156	92.732%	0.164
%RSD		33.100	1.206	10.610
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.186	0.240	0.000
%RSD		16.910	30.500	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		100.052%	0.636	0.529
%RSD		1.285	10.360	4.696
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.418	101.897%	
%RSD		1.793	0.810	

mb 240-67375/1-a, 12/10/2012 13:14:50 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		89.038%	0.003	-11.960
%RSD		0.100	62.580	5.751
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		39.050	40.160	-1.249
%RSD		15.200	33.230	38.820
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	22.540	318.200
%RSD		0.000	3.805	2.426
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		86.139%	89.685%	0.256
%RSD		0.305	0.946	0.905
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.081	0.081	-4.786
%RSD		150.900	15.450	5.345
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		3.843	10.400	-0.000
%RSD		0.164	27.950	4601.000
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		0.158	0.620	32.930
%RSD		19.220	6.159	2.645
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		90.806%	-0.116	0.176
%RSD		0.599	54.070	10.340
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		-0.055	0.264	-0.325
%RSD		131.900	10.700	10.180
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.012	-0.212
%RSD		0.000	137.200	173.200
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.004	94.073%	0.481
%RSD		329.600	0.386	12.790
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.070	0.651	0.000
%RSD		25.500	6.372	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		101.862%	0.215	0.273
%RSD		0.714	6.753	4.365
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.101	103.866%	
%RSD		30.520	0.815	

Ics 240-67375/2-a, 12/10/2012 13:19:53 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		87.901%	M 881.200	73.320
%RSD		0.404	M 0.459	2.886
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		8860.000	9396.000	M 8895.000
%RSD		1.178	1.019	M 1.348
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	T 9198.000	9502.000
%RSD		0.000	T 0.518	0.250
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		T 85.033%	91.541%	91.200
%RSD		T 0.558	1.876	2.262
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		M 838.200	M 882.100	79.120
%RSD		M 0.354	M 0.551	6.776
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		T 909.800	T 9159.000	M 865.200
%RSD		T 0.095	T 0.741	M 1.004
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		M 896.500	M 919.500	M 990.400
%RSD		M 1.155	M 1.160	M 0.945
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		91.366%	M 873.300	-3.297
%RSD		1.571	M 1.029	11.490
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		M 888.900	M 818.600	85.940
%RSD		M 1.137	M 0.734	0.638
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	95.560	539.100
%RSD		0.000	1.323	27.660
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		M 926.800	95.298%	93.970
%RSD		M 0.776	0.586	0.788
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		89.740	M 873.300	0.000
%RSD		1.373	M 0.581	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		103.730%	86.680	TM 202.600
%RSD		1.577	0.764	TM 0.073
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		TM 908.000	102.274%	
%RSD		TM 0.749	0.804	

240-18236 -j-5-d, 12/10/2012 13:27:05 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		91.816%	0.042	94.710
%RSD		0.444	4.037	1.355
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		27050.000	52270.000	15.670
%RSD		0.134	0.649	11.440
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	5627.000	173500.000
%RSD		0.000	0.360	0.185
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		92.869%	97.178%	0.474
%RSD		0.465	0.617	65.950
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		-20.020	467.900	41.340
%RSD		3.250	0.289	3.298
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		19.320	-126.700	0.082
%RSD		0.298	0.610	1.398
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		0.799	0.973	3.307
%RSD		10.280	1.862	7.293
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		93.998%	0.997	0.182
%RSD		0.227	9.541	37.780
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		1.122	753.700	13.680
%RSD		16.830	0.474	0.589
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.004	0.710
%RSD		0.000	70.140	86.620
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.029	98.133%	0.218
%RSD		47.270	1.438	17.130
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.501	39.560	0.000
%RSD		2.082	0.873	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		106.027%	0.816	0.776
%RSD		0.830	11.390	7.263
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.029	95.754%	
%RSD		11.120	0.803	

SD 240-18236 -j-5-d@5, 12/10/2012 13:34:17 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		94.700%	0.023	10.300
%RSD		0.362	30.600	6.991
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		5828.000	11480.000	2.997
%RSD		0.451	1.248	37.130
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	1149.000	37630.000
%RSD		0.000	0.624	0.510
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		90.999%	94.717%	0.081
%RSD		0.167	0.128	173.200
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		-3.811	97.850	5.019
%RSD		27.020	0.510	36.900
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		4.044	-28.630	0.012
%RSD		1.272	0.419	34.950
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		0.227	0.366	1.253
%RSD		18.660	10.870	24.810
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		94.170%	0.049	0.031
%RSD		1.217	249.600	214.400
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.323	151.200	2.440
%RSD		47.490	0.371	6.003
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.001	0.356
%RSD		0.000	138.200	122.400
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.005	97.537%	0.084
%RSD		112.900	0.289	13.390
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.150	8.916	0.000
%RSD		22.010	2.772	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		105.887%	0.241	0.331
%RSD		0.789	6.522	2.778
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		-0.001	102.678%	
%RSD		738.800	0.803	

240-18236 -j-5-e ms, 12/10/2012 13:39:20 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		88.289%	M 928.600	182.600
%RSD		0.498	M 0.280	0.997
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		T 36980.000	59450.000	M 9425.000
%RSD		T 0.515	0.595	M 0.596
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	T 15600.000	TM 177100.000
%RSD		0.000	T 0.279	TM 0.525
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		T 86.731%	93.704%	99.530
%RSD		T 0.856	1.058	0.303
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		M 922.200	M 1407.000	129.100
%RSD		M 0.352	M 0.428	4.544
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		T 978.300	T 9796.000	M 927.300
%RSD		T 0.489	T 0.623	M 1.388
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		M 948.000	M 944.900	M 950.100
%RSD		M 0.740	M 0.428	M 0.365
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		90.651%	M 990.800	-3.526
%RSD		1.143	M 0.500	12.480
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		M 983.200	M 1646.000	113.000
%RSD		M 0.534	M 0.247	1.069
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	101.000	586.500
%RSD		0.000	0.445	26.900
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		M 986.100	95.067%	98.100
%RSD		M 0.185	0.730	1.032
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		97.950	M 1003.000	0.000
%RSD		0.434	M 0.432	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		105.408%	101.500	TM 236.900
%RSD		1.421	0.249	TM 0.128
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		TM 942.700	93.808%	
%RSD		TM 0.573	0.888	

240-18236 -j-5-f msd, 12/10/2012 13:46:33 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		88.767%	M 935.200	186.500
%RSD		0.241	M 0.278	0.621
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		T 36990.000	60330.000	M 9365.000
%RSD		T 0.685	1.196	M 0.556
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	T 15480.000	TM 179900.000
%RSD		0.000	T 0.248	TM 0.450
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		T 88.993%	96.560%	98.590
%RSD		T 0.970	1.247	0.737
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		M 912.300	M 1405.000	132.000
%RSD		M 0.071	M 0.927	5.111
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		T 981.600	T 9891.000	M 934.900
%RSD		T 0.297	T 0.927	M 1.080
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		M 946.000	M 946.300	M 955.500
%RSD		M 0.709	M 0.395	M 0.442
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		92.792%	M 991.200	-3.577
%RSD		0.679	M 0.364	11.130
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		M 977.900	M 1662.000	113.400
%RSD		M 1.457	M 0.355	0.687
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	99.140	494.800
%RSD		0.000	0.206	28.130
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		M 971.700	97.716%	97.150
%RSD		M 0.236	1.249	0.759
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		98.540	M 1004.000	0.000
%RSD		0.305	M 0.487	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		107.008%	101.400	TM 233.700
%RSD		0.647	0.827	TM 0.235
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		TM 938.200	95.752%	
%RSD		TM 0.603	0.868	

240-18237 -j-3-d, 12/10/2012 13:53:46 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		91.705%	0.069	M 323.800
%RSD		0.056	27.550	M 0.316
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		76600.000	31190.000	26.270
%RSD		1.260	1.250	0.715
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	11370.000	M 104000.000
%RSD		0.000	0.168	M 0.318
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		91.447%	94.913%	0.525
%RSD		0.395	0.897	66.550
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.404	0.464	-4.391
%RSD		18.090	9.054	5.756
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		3.095	-30.400	0.325
%RSD		0.929	2.502	0.186
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		1.872	1.141	3.966
%RSD		7.107	11.740	7.793
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		92.184%	2.649	0.137
%RSD		0.230	9.012	6.567
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.360	M 374.600	2.010
%RSD		6.756	M 0.712	5.928
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.005	1.089
%RSD		0.000	37.140	282.800
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.032	95.575%	1.009
%RSD		42.320	0.373	10.150
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.441	M 229.000	0.000
%RSD		10.510	M 0.500	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		105.877%	0.916	0.997
%RSD		1.148	7.300	6.376
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.294	95.768%	
%RSD		1.849	0.812	

240-18237 -j-3-e ms, 12/10/2012 14:00:56 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		88.126%	M 946.900	M 423.200
%RSD		0.356	M 0.351	M 0.677
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		T 88140.000	41750.000	M 9748.000
%RSD		T 0.701	0.227	M 1.029
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	T 21730.000	M 117100.000
%RSD		0.000	T 0.441	M 0.038
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		T 85.625%	92.330%	98.800
%RSD		T 0.578	1.424	2.827
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		M 947.700	M 970.400	88.050
%RSD		M 0.626	M 0.635	2.318
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		T 987.800	T 10040.000	M 949.400
%RSD		T 0.311	T 0.292	M 1.203
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		M 959.500	M 961.400	M 983.300
%RSD		M 0.662	M 1.289	M 1.281
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		89.234%	M 990.100	-3.302
%RSD		1.421	M 0.830	20.350
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		M 977.900	M 1322.000	102.800
%RSD		M 0.880	M 0.502	0.293
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	100.900	727.700
%RSD		0.000	0.309	16.440
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		M 1004.000	93.456%	99.550
%RSD		M 0.226	0.807	0.474
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		99.500	M 1218.000	0.000
%RSD		0.908	M 0.279	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		103.645%	102.800	TM 238.300
%RSD		1.134	0.837	TM 0.272
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		TM 963.300	92.934%	
%RSD		TM 0.028	1.068	

240-18237 -j-3-f msd, 12/10/2012 14:08:06 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		87.184%	M 920.100	M 410.700
%RSD		0.705	M 0.647	M 0.897
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		T 84110.000	40000.000	M 9292.000
%RSD		T 1.371	0.421	M 1.259
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	T 20950.000	M 110900.000
%RSD		0.000	T 0.629	M 0.035
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		T 86.648%	92.918%	95.040
%RSD		T 0.804	1.575	3.464
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		M 911.500	M 930.900	81.770
%RSD		M 0.558	M 0.506	5.590
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		T 950.700	T 9694.000	M 909.400
%RSD		T 0.089	T 0.334	M 0.107
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		M 926.400	M 926.100	M 944.600
%RSD		M 0.252	M 0.268	M 0.282
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		90.036%	M 958.400	-3.189
%RSD		0.270	M 0.447	2.243
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		M 948.900	M 1269.000	99.190
%RSD		M 0.553	M 0.608	1.139
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	98.590	562.800
%RSD		0.000	0.978	16.150
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		M 971.600	94.389%	96.690
%RSD		M 0.491	1.248	0.437
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		96.120	M 1169.000	0.000
%RSD		0.373	M 0.652	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		104.888%	98.980	TM 230.400
%RSD		0.892	0.168	TM 0.265
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		TM 930.500	94.313%	
%RSD		TM 0.033	1.009	

240-18236 -d-1-b, 12/10/2012 14:15:16 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		96.924%	0.055	45.650
%RSD		0.492	15.600	0.807
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		<u>±33040.000</u>	64590.000	27.770
%RSD		<u>±0.900</u>	1.004	5.081
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	<u>±3611.000</u>	<u>TM 149300.000</u>
%RSD		0.000	<u>±0.481</u>	<u>TM 0.257</u>
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		<u>±94.610%</u>	101.943%	0.264
%RSD		<u>±0.974</u>	1.004	65.120
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.027	0.465	-3.500
%RSD		369.700	6.979	6.381
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		17.250	-9.491	0.127
%RSD		1.004	10.060	19.400
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		0.978	0.674	2.020
%RSD		12.360	5.169	10.170
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		96.337%	0.445	0.190
%RSD		1.307	21.150	25.160
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.359	<u>M 952.700</u>	0.430
%RSD		33.050	<u>M 0.145</u>	11.770
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.004	0.365
%RSD		0.000	33.740	677.600
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.027	100.456%	0.217
%RSD		60.020	1.042	10.810
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.442	37.740	0.000
%RSD		4.891	0.536	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		109.886%	0.936	1.089
%RSD		1.432	9.504	5.917
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.053	97.988%	
%RSD		2.410	1.154	

CCV 12/10/2012 14:22:26 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		93.778%	99.822%	91.214%
%RSD		0.418	0.166	1.099
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		<u>102.402%</u>	104.332%	105.973%
%RSD		<u>0.773</u>	0.465	1.905
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	<u>104.764%</u>	101.783%
%RSD		0.000	<u>0.194</u>	0.372
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		<u>90.207%</u>	94.346%	102.323%
%RSD		<u>1.121</u>	0.579	2.632
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		99.268%	100.883%	5.821
%RSD		1.198	0.648	30.630
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		<u>102.295%</u>	<u>105.939%</u>	101.175%
%RSD		<u>0.296</u>	<u>0.369</u>	1.326
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		102.761%	102.511%	105.151%
%RSD		0.534	0.651	2.013
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		91.681%	101.911%	-0.427
%RSD		0.866	1.676	25.340
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		100.451%	100.775%	105.636%
%RSD		0.791	0.120	0.259
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	104.963%	70.980
%RSD		0.000	0.794	81.770
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		105.462%	94.888%	103.639%
%RSD		0.547	0.455	0.385
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		103.394%	101.489%	0.000
%RSD		0.328	1.228	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		104.311%	106.629%	102.193%
%RSD		0.674	0.592	0.388
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		106.434%	94.122%	
%RSD		0.591	0.800	

CCB 12/10/2012 14:29:35 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		89.255%	0.101	-10.770
%RSD		0.088	6.921	5.397
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		50.990	39.400	3.733
%RSD		6.281	13.410	28.310
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	31.190	48.010
%RSD		0.000	2.764	8.601
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		188.490%	92.267%	0.125
%RSD		10.298	1.027	99.710
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.273	0.120	-4.710
%RSD		19.960	20.320	3.368
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		0.588	29.750	0.147
%RSD		2.751	1.887	1.338
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		0.193	0.226	0.282
%RSD		14.660	9.102	14.070
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		93.592%	0.137	-0.014
%RSD		2.156	141.000	632.400
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.170	0.308	0.135
%RSD		32.010	14.420	47.060
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.086	-1.423
%RSD		0.000	12.050	142.300
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.160	96.972%	0.196
%RSD		5.252	0.815	22.780
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.264	0.165	0.000
%RSD		5.095	22.120	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		104.434%	0.702	0.784
%RSD		0.818	7.637	4.987
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.299	105.356%	
%RSD		3.839	0.364	

240-18236 -d-2-b, 12/10/2012 14:36:45 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		97.004%	0.024	44.370
%RSD		0.255	25.280	2.222
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		<u>±34470.000</u>	66490.000	32.700
%RSD		<u>±0.550</u>	1.147	10.320
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	<u>±3747.000</u>	<u>TM 153300.000</u>
%RSD		0.000	<u>±0.155</u>	<u>TM 0.133</u>
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		<u>±94.955%</u>	101.133%	0.609
%RSD		<u>±0.823</u>	0.990	11.880
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.067	0.516	-3.604
%RSD		207.100	14.670	3.170
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		18.230	-17.970	0.136
%RSD		0.068	12.170	10.030
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		1.046	0.872	3.893
%RSD		9.122	5.719	13.480
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		96.672%	0.416	0.137
%RSD		1.306	35.940	22.580
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.189	<u>M 986.800</u>	-0.000
%RSD		38.960	<u>M 0.265</u>	4636.000
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.010	0.348
%RSD		0.000	29.380	173.200
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.016	100.634%	0.512
%RSD		1.051	0.709	5.961
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.147	38.390	0.000
%RSD		15.450	2.082	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		109.686%	0.265	0.430
%RSD		1.700	9.465	2.854
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.062	97.616%	
%RSD		2.230	1.315	

240-18236 -d-3-b, 12/10/2012 14:41:41 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		101.104%	0.022	43.020
%RSD		0.328	39.670	3.462
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		<u>±34420.000</u>	64400.000	50.310
%RSD		<u>±0.635</u>	1.293	8.372
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	<u>±3770.000</u>	<u>TM 148400.000</u>
%RSD		0.000	<u>±0.380</u>	<u>TM 0.198</u>
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		<u>±96.297%</u>	101.433%	0.758
%RSD		<u>±0.657</u>	0.532	17.370
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.151	1.113	-2.988
%RSD		138.400	3.560	7.925
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		19.480	14.290	0.124
%RSD		0.217	9.620	14.450
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		1.040	0.945	3.999
%RSD		3.300	3.864	10.460
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		97.406%	0.398	0.185
%RSD		1.265	18.630	15.280
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.151	<u>M 952.100</u>	-0.108
%RSD		82.140	<u>M 0.367</u>	39.290
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.001	-0.197
%RSD		0.000	66.050	173.200
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.016	100.275%	0.071
%RSD		47.350	0.720	40.050
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.149	37.700	0.000
%RSD		7.949	0.917	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		110.391%	0.186	0.339
%RSD		1.130	10.570	2.815
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.117	97.959%	
%RSD		4.136	1.199	

240-18236 -d-4-b, 12/10/2012 14:46:39 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		100.113%	0.011	45.800
%RSD		0.532	24.370	0.523
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		<u>±35350.000</u>	66670.000	35.090
%RSD		<u>±0.505</u>	2.301	9.843
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	<u>±3933.000</u>	<u>TM 154400.000</u>
%RSD		0.000	<u>±0.306</u>	<u>TM 0.445</u>
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		<u>±95.553%</u>	101.612%	0.568
%RSD		<u>±0.732</u>	0.518	35.030
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.091	0.803	-2.901
%RSD		119.900	5.986	10.030
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		20.050	-4.303	0.135
%RSD		0.626	43.040	3.687
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		0.956	0.836	3.371
%RSD		7.089	8.466	4.671
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		96.704%	0.482	0.215
%RSD		1.056	14.560	44.310
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.222	<u>M 985.500</u>	-0.093
%RSD		3.756	<u>M 0.163</u>	53.500
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	-0.001	-0.200
%RSD		0.000	100.600	173.200
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.020	100.098%	0.498
%RSD		58.570	0.649	6.773
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.140	39.260	0.000
%RSD		33.420	1.458	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		109.735%	0.139	0.287
%RSD		1.245	8.381	1.731
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.069	97.332%	
%RSD		4.433	0.969	

240-18236 -d-6-b, 12/10/2012 14:51:38 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		99.377%	0.008	45.510
%RSD		0.597	54.230	3.220
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		± 34570.000	65230.000	28.980
%RSD		± 0.678	1.118	4.732
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	± 3827.000	$\text{TM } 148500.000$
%RSD		0.000	± 0.166	$\text{TM } 0.133$
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		$\pm 95.357\%$	99.888%	0.309
%RSD		± 0.458	1.192	44.590
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.253	0.258	-3.269
%RSD		93.520	5.827	18.490
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		16.910	-22.880	0.130
%RSD		0.381	4.965	11.670
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		1.062	1.188	3.046
%RSD		11.280	2.955	4.859
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		95.659%	0.410	0.191
%RSD		0.643	14.250	2.428
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.179	$\text{M } 956.600$	-0.105
%RSD		48.580	$\text{M } 0.238$	34.670
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.000	-0.199
%RSD		0.000	1359.000	173.200
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.012	99.538%	0.075
%RSD		127.300	1.395	21.050
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.100	37.740	0.000
%RSD		14.430	1.412	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		109.301%	0.108	0.256
%RSD		0.871	14.360	2.536
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.050	97.014%	
%RSD		2.192	1.180	

240-18236 -d-7-b, 12/10/2012 14:56:42 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		95.198%	0.008	85.550
%RSD		0.350	14.290	0.884
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		25850.000	50730.000	85.580
%RSD		0.195	0.346	4.007
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	5072.000	127300.000
%RSD		0.000	0.113	0.432
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		91.672%	95.229%	0.524
%RSD		0.638	0.781	96.350
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		-0.234	28.250	0.079
%RSD		133.400	1.369	704.200
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		24.150	39.010	0.140
%RSD		0.130	3.557	6.764
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		0.910	0.805	2.229
%RSD		5.015	8.322	5.627
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		91.936%	0.870	0.169
%RSD		0.900	8.462	7.092
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		1.193	736.800	1.472
%RSD		26.530	1.019	8.751
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.002	-0.186
%RSD		0.000	79.620	819.100
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.023	95.687%	0.091
%RSD		11.810	0.120	20.430
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.190	37.200	0.000
%RSD		11.960	2.461	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		106.491%	0.114	0.224
%RSD		0.899	5.864	5.697
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.134	96.120%	
%RSD		0.912	0.649	

240-18236 -c-8-a, 12/10/2012 15:01:44 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		91.468%	0.014	104.000
%RSD		0.309	51.640	1.914
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		20840.000	39990.000	271.300
%RSD		0.364	0.764	1.601
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	± 5360.000	M 108300.000
%RSD		0.000	± 0.220	M 0.274
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		± 89.191%	91.048%	0.883
%RSD		± 0.576	0.426	56.750
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		-0.216	40.460	0.368
%RSD		215.100	0.787	255.700
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		19.250	10.180	0.112
%RSD		0.732	22.660	13.830
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		1.722	0.836	4.274
%RSD		3.867	12.520	12.600
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		89.579%	1.056	0.149
%RSD		0.953	25.990	31.400
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		1.554	M 590.800	2.177
%RSD		11.130	M 0.768	6.446
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.003	0.525
%RSD		0.000	153.600	210.100
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.007	93.282%	10.610
%RSD		134.600	1.002	1.008
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.241	34.540	0.000
%RSD		19.360	1.889	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		104.063%	0.117	0.213
%RSD		0.518	7.830	2.287
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.115	94.875%	
%RSD		4.672	0.921	

240-18236 -d-9-b, 12/10/2012 15:06:43 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		88.295%	0.006	130.000
%RSD		0.355	22.380	1.133
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		17020.000	32120.000	75.600
%RSD		0.408	0.690	12.180
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	6112.000	97040.000
%RSD		0.000	0.222	0.164
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		87.058%	88.098%	1.085
%RSD		0.387	0.947	47.810
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		-0.406	57.110	1.797
%RSD		197.600	0.335	78.520
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		23.210	24.220	0.112
%RSD		0.785	11.790	15.670
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		0.702	0.779	4.078
%RSD		2.315	9.021	6.683
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		87.425%	1.036	0.157
%RSD		0.886	0.594	3.597
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		2.446	484.300	3.065
%RSD		17.360	0.400	1.996
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.005	0.000
%RSD		0.000	75.090	0.000
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.025	91.471%	0.293
%RSD		62.800	1.196	20.750
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.263	34.960	0.000
%RSD		9.398	0.768	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		102.293%	0.114	0.180
%RSD		0.508	5.241	4.361
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.189	94.205%	
%RSD		4.220	0.620	

240-18236 -d-10 -b, 12/10/2012 15:11:43 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		84.465%	0.004	163.100
%RSD		0.494	32.590	0.681
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		10430.000	18020.000	27.310
%RSD		0.590	0.795	0.310
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	6859.000	74290.000
%RSD		0.000	0.176	0.160
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		84.341%	84.316%	0.409
%RSD		0.419	0.807	33.680
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		-1.191	79.590	4.473
%RSD		5.756	0.247	1.638
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		7.208	-47.410	0.046
%RSD		0.438	0.554	15.340
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		2.278	0.499	3.337
%RSD		6.803	22.620	4.046
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		84.711%	1.310	0.160
%RSD		0.704	12.150	17.520
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		3.010	294.900	4.326
%RSD		16.420	0.664	1.065
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	-0.000	0.084
%RSD		0.000	613.900	947.300
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.003	89.446%	0.113
%RSD		262.400	0.748	15.530
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.338	33.390	0.000
%RSD		10.540	3.823	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		99.606%	0.117	0.153
%RSD		0.867	10.250	2.145
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.012	94.371%	
%RSD		12.190	0.399	

CCV 5 12/10/2012 15:16:40 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		85.026%	101.715%	94.330%
%RSD		0.818	1.434	1.836
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		<u>100.093%</u>	101.367%	110.609%
%RSD		<u>0.545</u>	0.821	0.406
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	<u>103.211%</u>	100.007%
%RSD		0.000	<u>0.312</u>	0.664
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		<u>184.973%</u>	86.077%	102.458%
%RSD		<u>0.887</u>	0.662	3.794
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		99.026%	100.142%	4.841
%RSD		1.030	0.370	2.834
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		<u>101.139%</u>	<u>105.416%</u>	98.893%
%RSD		<u>0.209</u>	<u>0.487</u>	0.309
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		99.598%	100.321%	103.921%
%RSD		0.650	0.694	1.199
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		84.351%	101.576%	-0.410
%RSD		0.685	0.520	34.490
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		101.106%	101.993%	104.723%
%RSD		2.456	0.796	0.814
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	103.646%	64.200
%RSD		0.000	0.692	47.150
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		106.186%	87.963%	104.127%
%RSD		1.844	1.051	0.329
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		105.564%	103.842%	0.000
%RSD		0.842	1.432	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		97.048%	106.161%	101.187%
%RSD		0.738	0.454	0.636
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		107.478%	87.962%	
%RSD		0.433	1.236	

CCB 5 12/10/2012 15:23:50 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		84.951%	0.089	-10.250
%RSD		0.419	8.995	3.657
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		48.490	50.160	5.059
%RSD		7.679	23.290	27.460
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	33.030	44.990
%RSD		0.000	2.033	12.840
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		86.346%	86.111%	0.222
%RSD		0.195	0.391	34.960
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.194	0.105	-3.652
%RSD		56.700	16.010	7.120
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		0.621	30.050	0.131
%RSD		1.071	2.768	0.210
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		0.168	0.103	0.442
%RSD		30.110	7.149	69.560
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		87.710%	0.138	-0.047
%RSD		1.216	27.830	40.000
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.114	0.339	0.078
%RSD		78.740	15.470	85.170
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.080	0.482
%RSD		0.000	3.442	270.100
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.108	91.707%	0.130
%RSD		5.581	0.500	11.110
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.151	0.124	0.000
%RSD		13.080	36.450	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		98.674%	0.577	0.540
%RSD		0.361	10.640	4.923
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.260	99.015%	
%RSD		4.443	0.607	

240-18237 -d-1-b, 12/10/2012 15:28:49 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		85.063%	0.018	M 344.800
%RSD		0.098	11.450	M 1.392
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		77090.000	31960.000	189.600
%RSD		0.532	0.247	0.832
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	11730.000	M 104300.000
%RSD		0.000	0.251	M 0.195
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		87.555%	87.593%	4.203
%RSD		0.421	0.533	10.660
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.748	0.483	-3.938
%RSD		13.990	10.840	2.933
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		9.109	483.500	0.381
%RSD		0.088	0.980	6.598
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		2.235	1.015	27.360
%RSD		8.222	6.765	2.400
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		85.977%	2.816	0.139
%RSD		1.788	2.926	13.110
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.060	M 389.600	1.566
%RSD		76.210	M 1.304	9.409
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.001	-0.360
%RSD		0.000	116.600	413.000
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.001	90.245%	0.195
%RSD		214.300	0.773	19.180
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.113	M 236.600	0.000
%RSD		6.234	M 0.723	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		99.815%	0.215	0.303
%RSD		0.825	2.693	3.597
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.322	89.373%	
%RSD		2.170	0.601	

240-18237 -d-2-b, 12/10/2012 15:33:44 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		82.981%	0.106	M 401.000
%RSD		0.393	5.018	M 0.219
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		T 71440.000	34190.000	M 2334.000
%RSD		T 0.968	0.823	M 0.818
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	T 14860.000	M 119900.000
%RSD		0.000	T 0.144	M 0.294
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		T 84.395%	85.463%	44.320
%RSD		T 0.513	1.643	11.710
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		5.084	3.901	-3.669
%RSD		2.756	1.109	8.068
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		T 332.900	4517.000	1.599
%RSD		T 0.244	0.398	1.333
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		5.650	4.239	36.910
%RSD		2.977	3.194	1.291
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		83.747%	8.880	0.147
%RSD		0.875	0.718	50.010
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.116	M 449.500	0.565
%RSD		50.150	M 0.184	4.835
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.014	0.054
%RSD		0.000	32.290	2395.000
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.089	88.166%	0.371
%RSD		12.950	1.190	7.002
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.168	M 285.100	0.000
%RSD		20.310	M 0.325	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		98.530%	0.171	0.258
%RSD		1.345	10.710	1.253
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		6.095	88.627%	
%RSD		0.520	1.103	

240-18237 -d-4-b, 12/10/2012 15:38:41 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		87.204%	0.001	M 323.000
%RSD		0.299	414.200	M 0.394
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		72490.000	30090.000	13.310
%RSD		1.099	0.369	12.290
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	10890.000	M 100000.000
%RSD		0.000	0.376	M 0.646
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		88.279%	88.445%	0.737
%RSD		0.684	0.971	36.140
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.115	0.276	-3.996
%RSD		167.800	5.717	9.856
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		6.150	-13.500	0.288
%RSD		0.439	2.828	1.592
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		1.973	0.681	5.885
%RSD		14.330	9.790	5.099
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		86.570%	1.974	0.142
%RSD		0.913	3.447	29.970
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.000	M 373.600	1.320
%RSD		11940.000	M 1.243	11.520
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	-0.000	0.677
%RSD		0.000	6632.000	183.200
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.001	90.761%	0.083
%RSD		544.300	0.982	44.120
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.097	M 220.400	0.000
%RSD		21.060	M 0.321	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		100.783%	0.093	0.180
%RSD		0.807	6.317	2.581
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.195	90.468%	
%RSD		3.754	0.408	

240-18237 -d-5-b, 12/10/2012 15:43:37 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		86.811%	0.018	M 335.100
%RSD		0.698	9.667	M 0.693
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		76120.000	31680.000	346.800
%RSD		0.378	0.903	3.096
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	11650.000	M 104100.000
%RSD		0.000	0.469	M 0.418
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		86.997%	87.085%	4.938
%RSD		0.677	0.258	10.660
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.817	0.790	-3.155
%RSD		11.600	4.355	7.390
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		23.660	456.700	0.365
%RSD		0.488	0.056	8.275
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		2.447	1.404	8.052
%RSD		1.611	5.985	5.393
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		84.484%	2.492	0.132
%RSD		1.295	5.368	45.930
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		-0.015	M 401.700	1.585
%RSD		629.100	M 0.385	8.070
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.004	-0.449
%RSD		0.000	44.860	86.600
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.037	89.227%	0.246
%RSD		34.990	0.628	4.835
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.164	M 222.500	0.000
%RSD		6.779	M 1.537	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		99.470%	0.091	0.158
%RSD		0.399	4.292	5.881
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.718	89.013%	
%RSD		1.353	0.299	

240-18237 -d-6-b, 12/10/2012 15:48:38 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		85.786%	0.027	M 332.800
%RSD		0.767	28.600	M 1.057
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		76040.000	31950.000	383.200
%RSD		0.435	0.318	0.712
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	11630.000	M 104300.000
%RSD		0.000	0.446	M 0.254
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		85.271%	85.551%	6.954
%RSD		0.628	0.312	12.800
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.945	0.718	-3.518
%RSD		11.510	3.447	5.316
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		25.470	500.800	0.430
%RSD		0.849	0.422	3.581
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		2.310	0.984	6.467
%RSD		5.226	9.472	8.151
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		83.909%	2.564	0.161
%RSD		1.114	2.810	19.290
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.056	M 398.700	1.292
%RSD		97.990	M 0.406	5.737
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.002	-0.821
%RSD		0.000	95.630	31.040
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.008	88.421%	0.097
%RSD		59.120	1.012	4.063
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.135	M 221.700	0.000
%RSD		14.230	M 0.481	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		98.163%	0.075	0.133
%RSD		0.867	8.570	0.833
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.788	88.051%	
%RSD		0.820	0.668	

240-18237 -d-7-b, 12/10/2012 15:53:37 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		82.879%	0.034	M 277.300
%RSD		0.222	38.010	M 0.739
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		T 69110.000	27290.000	519.100
%RSD		T 0.431	0.174	0.962
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	T 7969.000	89220.000
%RSD		0.000	T 0.505	0.270
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		T 83.735%	86.210%	11.620
%RSD		T 0.373	1.167	13.260
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		3.384	1.260	-4.313
%RSD		4.228	4.915	7.856
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		T 511.100	T 32620.000	1.106
%RSD		T 0.330	T 0.338	8.492
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		4.403	4.047	48.520
%RSD		5.497	4.107	1.541
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		85.118%	62.620	0.135
%RSD		1.081	0.568	9.224
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.168	M 370.800	0.708
%RSD		52.520	M 0.757	2.756
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.003	0.948
%RSD		0.000	168.200	81.370
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.086	88.440%	0.423
%RSD		8.467	0.620	15.680
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.196	132.900	0.000
%RSD		7.349	0.279	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		97.885%	0.154	0.124
%RSD		1.409	3.354	6.515
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		2.131	88.418%	
%RSD		0.841	0.775	

240-18250 -a-2-a, 12/10/2012 15:58:35 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		80.175%	0.022	<u>M 2046.000</u>
%RSD		0.612	16.040	<u>M 0.702</u>
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		<u>T 66730.000</u>	65110.000	0.875
%RSD		<u>T 1.508</u>	0.743	155.500
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	<u>T 1220.000</u>	<u>TM 271000.000</u>
%RSD		0.000	<u>T 0.535</u>	<u>TM 0.416</u>
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		<u>T 84.355%</u>	91.930%	0.333
%RSD		<u>T 0.958</u>	2.499	77.680
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.158	0.103	-4.855
%RSD		143.400	19.930	8.759
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		<u>TM 10520.000</u>	<u>TM 123800.000</u>	3.247
%RSD		<u>TM 0.400</u>	<u>TM 0.805</u>	2.115
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		3.114	0.186	1.822
%RSD		5.057	17.890	8.613
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		87.668%	53.350	0.141
%RSD		1.669	1.067	24.890
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.162	<u>M 1252.000</u>	6.979
%RSD		82.050	<u>M 0.171</u>	1.833
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	-0.002	0.109
%RSD		0.000	136.100	627.500
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.015	93.806%	0.104
%RSD		34.630	1.444	11.320
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.055	58.800	0.000
%RSD		13.580	0.957	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		104.505%	0.041	0.107
%RSD		1.156	8.949	4.318
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.076	89.066%	
%RSD		5.669	1.083	

240-18250 -b-3-a, 12/10/2012 16:03:34 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		84.107%	0.015	M 333.200
%RSD		1.051	45.100	M 1.642
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		T 74540.000	40720.000	188.100
%RSD		T 0.764	0.291	0.801
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	T 3278.000	M 116300.000
%RSD		0.000	T 0.622	M 0.251
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		T 88.312%	89.738%	3.464
%RSD		T 0.501	0.351	33.850
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.419	0.309	-4.147
%RSD		21.100	13.620	5.023
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		65.770	T 6952.000	0.409
%RSD		0.554	T 0.345	10.630
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		0.831	3.259	4.845
%RSD		5.111	4.038	8.015
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		87.632%	20.020	0.163
%RSD		0.781	2.187	30.770
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		-0.056	M 1047.000	13.230
%RSD		80.190	M 0.022	2.872
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.002	0.327
%RSD		0.000	161.700	608.800
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.024	92.259%	0.111
%RSD		111.500	0.518	12.390
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.172	38.010	0.000
%RSD		26.160	0.749	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		104.114%	0.112	0.104
%RSD		0.711	11.640	4.540
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.465	92.137%	
%RSD		4.571	0.742	

450-8019-a-1-a, 12/10/2012 16:08:32 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		82.853%	0.015	M 241.100
%RSD		0.349	21.170	M 0.602
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		± 50540.000	32100.000	91.100
%RSD		± 0.655	0.516	3.714
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	± 9188.000	80010.000
%RSD		0.000	± 0.423	0.049
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		± 86.459%	86.603%	2.344
%RSD		± 0.623	0.277	36.680
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.696	1.532	-4.433
%RSD		18.770	1.614	7.359
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		79.660	247.000	0.279
%RSD		0.217	0.940	9.645
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		2.630	3.785	54.180
%RSD		2.758	3.546	0.857
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		86.593%	1.163	0.133
%RSD		0.338	9.417	14.990
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.157	M 314.200	1.180
%RSD		39.620	M 0.710	10.380
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.003	-0.137
%RSD		0.000	153.400	815.200
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.029	90.867%	2.021
%RSD		19.030	0.229	2.392
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		1.096	16.990	0.000
%RSD		8.978	2.972	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		101.988%	0.256	0.090
%RSD		0.739	6.316	1.898
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		10.100	92.982%	
%RSD		0.372	0.519	

mb 240-67365/1-a, 12/10/2012 16:13:35 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		87.716%	-0.002	-3.813
%RSD		0.122	31.750	12.380
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		48.180	45.520	-0.891
%RSD		3.560	16.830	89.100
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	25.800	325.600
%RSD		0.000	4.216	2.191
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		189.858%	87.745%	0.044
%RSD		10.749	0.745	173.200
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		-0.039	0.068	-3.570
%RSD		336.300	13.860	8.625
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		0.643	11.240	-0.007
%RSD		3.098	2.536	26.440
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		0.179	0.587	30.400
%RSD		20.580	15.760	0.750
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		90.581%	-0.081	0.160
%RSD		0.929	141.400	36.500
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		-0.024	0.331	-0.470
%RSD		32.240	2.924	7.295
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.003	0.288
%RSD		0.000	251.400	173.200
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		-0.002	94.609%	0.615
%RSD		112.300	0.266	7.416
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.024	0.686	0.000
%RSD		53.700	10.490	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		102.852%	0.028	0.067
%RSD		0.451	5.560	8.517
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.084	103.059%	
%RSD		3.912	0.266	

CCV 6 12/10/2012 16:18:34 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		85.541%	101.649%	92.011%
%RSD		0.725	0.626	2.264
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		±98.957%	100.953%	105.756%
%RSD		±0.584	1.322	0.632
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	±103.304%	99.156%
%RSD		0.000	±0.650	0.209
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		±86.613%	86.323%	103.088%
%RSD		±0.825	0.935	4.464
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		98.592%	99.426%	4.733
%RSD		0.855	0.532	22.730
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		±100.143%	±105.774%	98.564%
%RSD		±0.178	±0.455	0.393
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		98.617%	100.309%	102.588%
%RSD		0.319	1.530	1.196
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		85.747%	100.396%	-0.369
%RSD		1.108	1.416	25.830
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		103.007%	100.799%	104.287%
%RSD		3.340	0.978	0.269
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	103.741%	100.900
%RSD		0.000	0.444	51.000
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		105.603%	88.827%	104.608%
%RSD		0.319	0.908	0.189
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		105.228%	103.768%	0.000
%RSD		0.394	0.695	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		99.506%	105.409%	99.906%
%RSD		0.303	0.720	0.160
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		105.984%	89.080%	
%RSD		0.931	1.016	

CCB 6 12/10/2012 16:25:44 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		82.302%	0.091	-9.706
%RSD		1.003	10.750	3.016
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		34.120	35.690	4.731
%RSD		1.074	9.293	47.550
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	31.000	46.770
%RSD		0.000	2.848	5.108
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		±85.999%	85.433%	0.313
%RSD		±0.675	0.914	88.920
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.151	0.062	-4.511
%RSD		114.700	21.880	3.687
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		0.571	25.290	0.089
%RSD		0.470	6.046	8.927
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		0.144	0.138	0.458
%RSD		16.160	25.660	40.750
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		88.423%	0.064	-0.077
%RSD		0.808	174.600	24.960
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.073	0.273	0.040
%RSD		156.200	1.210	90.700
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.065	0.317
%RSD		0.000	21.250	727.700
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.093	92.313%	0.123
%RSD		33.800	0.226	16.180
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.125	0.112	0.000
%RSD		17.580	15.260	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		99.987%	0.534	0.483
%RSD		0.657	9.002	5.911
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.222	99.410%	
%RSD		3.653	0.609	

Ics 240-67365/2-a, 12/10/2012 16:30:41 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		82.240%	M 907.400	76.720
%RSD		0.183	M 0.196	0.957
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		8451.000	9222.000	M 8856.000
%RSD		0.536	1.880	M 0.758
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	T 9025.000	9034.000
%RSD		0.000	T 0.553	0.192
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		T 86.332%	87.405%	87.180
%RSD		T 0.281	0.673	1.106
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		M 828.400	M 858.700	72.290
%RSD		M 0.539	M 0.163	7.144
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		T 886.300	T 9135.000	M 837.700
%RSD		T 0.329	T 0.663	M 0.536
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		M 867.300	M 880.700	M 934.900
%RSD		M 0.883	M 0.725	M 0.766
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		88.724%	M 861.100	-3.456
%RSD		1.381	M 1.027	5.025
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		M 898.300	M 828.000	84.780
%RSD		M 0.876	M 1.157	0.734
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	94.120	637.400
%RSD		0.000	0.437	19.170
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		M 921.200	92.761%	90.190
%RSD		M 0.416	0.869	0.728
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		91.100	M 883.100	0.000
%RSD		0.490	M 0.503	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		103.166%	85.220	TM 199.600
%RSD		1.092	0.961	TM 0.206
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		TM 895.100	98.462%	
%RSD		TM 0.730	0.624	

240-18281 -i-3-a, 12/10/2012 16:37:53 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		90.052%	0.061	42.180
%RSD		0.887	11.720	1.949
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		31010.000	57590.000	34.210
%RSD		0.710	1.294	6.561
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	<u>13545.000</u>	<u>TM 132800.000</u>
%RSD		0.000	<u>10.479</u>	<u>TM 1.605</u>
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		<u>192.791%</u>	93.459%	0.288
%RSD		<u>10.599</u>	0.491	24.790
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.097	0.224	-3.455
%RSD		192.100	16.160	10.540
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		16.450	-10.060	0.144
%RSD		0.428	9.767	10.280
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		0.905	0.935	2.727
%RSD		13.910	3.335	15.260
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		91.250%	0.510	0.190
%RSD		1.189	38.650	6.794
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.347	<u>M 846.100</u>	0.285
%RSD		64.670	<u>M 0.137</u>	47.240
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	-0.001	-1.878
%RSD		0.000	265.200	57.960
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.044	95.744%	0.233
%RSD		53.090	1.158	10.240
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.359	34.840	0.000
%RSD		6.111	1.071	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		105.385%	0.746	0.811
%RSD		1.902	10.820	6.863
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.066	93.650%	
%RSD		9.117	0.517	

SD 240-18281 -i-3-a@5, 12/10/2012 16:45:05 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		91.461%	0.010	-1.560
%RSD		0.807	16.830	55.380
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		6618.000	12260.000	7.084
%RSD		1.074	1.077	32.790
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	728.400	28450.000
%RSD		0.000	0.250	0.230
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		91.509%	90.249%	0.169
%RSD		0.464	0.927	113.900
Run	Time	51V	52Cr	53Cr
		ppb	ppb	ppb
X		0.123	0.037	-3.083
%RSD		224.900	64.830	12.310
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		3.430	-3.982	0.025
%RSD		0.589	8.605	31.110
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		0.251	0.270	1.625
%RSD		14.700	25.510	14.750
Run	Time	72Ge	75As	77Ar
		ppb	ppb	ppb
X		91.184%	0.084	0.005
%RSD		0.892	164.600	868.300
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		-0.001	170.600	-0.305
%RSD		10950.000	0.525	16.660
Run	Time	105Pd	107Ag	108Mo
		ppb	ppb	ppb
X		0.000	-0.000	0.000
%RSD		0.000	496.000	0.000
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.005	94.834%	0.052
%RSD		186.700	0.465	22.290
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.119	7.105	0.000
%RSD		29.610	1.958	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		103.378%	0.204	0.337
%RSD		0.527	7.218	3.078
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.013	99.057%	
%RSD		16.570	0.613	

240-18281 -i-3-b ms, 12/10/2012 16:50:05 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		82.737%	M 963.700	140.400
%RSD		0.485	M 0.445	0.871
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		T 43060.000	69770.000	M 9636.000
%RSD		T 1.105	0.597	M 0.663
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	T 13810.000	TM 149900.000
%RSD		0.000	T 0.377	TM 0.487
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		T 84.508%	87.868%	103.800
%RSD		T 0.416	1.716	4.208
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		M 937.100	M 950.100	82.790
%RSD		M 0.682	M 0.698	1.282
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		T 982.400	T 10070.000	M 916.900
%RSD		T 0.077	T 0.704	M 0.882
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		M 927.700	M 926.500	M 962.000
%RSD		M 1.019	M 0.678	M 1.051
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		85.666%	M 985.700	-3.484
%RSD		1.835	M 0.690	5.425
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		M 996.500	M 1840.000	99.580
%RSD		M 0.494	M 0.517	0.219
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	98.980	583.400
%RSD		0.000	0.684	11.440
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		M 996.400	90.901%	99.880
%RSD		M 0.603	0.633	0.568
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		100.700	M 1026.000	0.000
%RSD		1.093	M 0.804	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		102.135%	101.900	TM 233.300
%RSD		0.797	1.122	TM 0.434
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		TM 959.000	89.968%	
%RSD		TM 0.277	0.619	

240-18281 -i-3-c msd, 12/10/2012 16:57:16 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		84.571%	M 987.700	142.100
%RSD		0.299	M 0.248	0.897
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		T 44230.000	70850.000	M 9998.000
%RSD		T 0.793	0.774	M 0.390
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	T 14230.000	TM 153800.000
%RSD		0.000	T 0.333	TM 0.321
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		T 86.732%	90.097%	104.700
%RSD		T 1.021	1.413	1.091
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		M 970.800	M 985.500	84.070
%RSD		M 0.410	M 0.797	2.895
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		TM 1019.000	T 10510.000	M 961.100
%RSD		TM 0.221	T 0.170	M 0.840
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		M 968.400	M 968.100	M 998.500
%RSD		M 0.600	M 0.739	M 0.611
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		86.376%	M 1029.000	-3.456
%RSD		1.210	M 0.650	7.671
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		M 1035.000	M 1922.000	104.100
%RSD		M 0.716	M 0.455	0.972
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	102.700	701.100
%RSD		0.000	0.587	31.670
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		M 1028.000	92.378%	103.800
%RSD		M 0.333	0.254	0.733
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		104.100	M 1067.000	0.000
%RSD		1.688	M 0.687	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		104.526%	105.900	TM 244.600
%RSD		0.332	0.697	TM 0.360
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		TM 984.900	91.064%	
%RSD		TM 0.741	0.526	

mb 240-67712/1-a, 12/10/2012 17:04:27 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		89.119%	0.104	-12.420
%RSD		0.455	2.260	4.296
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		66.420	99.220	-2.057
%RSD		9.226	9.402	41.190
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	30.700	326.500
%RSD		0.000	1.752	1.565
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		89.457%	88.728%	0.217
%RSD		0.623	1.130	92.010
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.122	0.113	-3.386
%RSD		160.500	89.210	5.865
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		0.463	17.480	0.113
%RSD		1.429	3.985	96.660
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		0.183	0.957	7.435
%RSD		37.520	3.471	7.443
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		91.065%	0.197	0.201
%RSD		1.295	56.860	17.500
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.211	0.816	0.009
%RSD		21.820	27.430	484.200
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.017	1.394
%RSD		0.000	51.630	167.500
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.126	94.430%	0.210
%RSD		107.200	0.512	7.024
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.400	1.304	0.000
%RSD		4.885	9.420	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		102.843%	0.809	0.992
%RSD		0.714	10.050	6.758
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.214	102.920%	
%RSD		60.150	0.536	

Ics 240-67712/2-a, 12/10/2012 17:11:38 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		85.451%	M 969.000	80.050
%RSD		0.645	M 0.208	1.804
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		9128.000	10050.000	M 9600.000
%RSD		0.214	0.641	M 0.936
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	T 9792.000	9832.000
%RSD		0.000	T 0.130	0.355
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		T 86.877%	89.764%	92.340
%RSD		T 0.188	0.480	1.299
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		M 889.700	M 924.300	81.330
%RSD		M 0.582	M 0.324	4.391
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		T 960.500	T 9842.000	M 896.800
%RSD		T 0.219	T 0.445	M 0.855
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		M 931.300	M 950.700	M 999.300
%RSD		M 0.773	M 1.114	M 0.972
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		90.118%	M 929.900	-3.062
%RSD		2.060	M 1.139	20.310
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		M 968.900	M 893.300	92.080
%RSD		M 1.404	M 0.767	0.577
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	101.200	572.600
%RSD		0.000	0.464	20.860
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		M 997.100	94.210%	97.290
%RSD		M 0.246	0.671	0.724
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		98.900	M 952.900	0.000
%RSD		0.645	M 0.634	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		104.286%	93.120	TM 216.700
%RSD		1.188	0.832	TM 0.610
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		TM 969.600	99.347%	
%RSD		TM 0.408	0.756	

240-18357 -b-7-a, 12/10/2012 17:18:50 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		88.314%	0.144	29.690
%RSD		0.624	4.089	0.338
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		23480.000	33180.000	M 1182.000
%RSD		0.797	1.715	M 0.617
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	3635.000	96780.000
%RSD		0.000	0.288	0.129
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		91.086%	90.209%	22.040
%RSD		0.608	1.113	35.050
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		2.136	5.376	-3.517
%RSD		10.800	2.180	10.300
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		81.990	1232.000	0.643
%RSD		0.439	0.818	6.054
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		1.840	2.676	6.841
%RSD		4.635	1.066	4.237
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		89.520%	0.912	0.186
%RSD		0.376	8.724	11.330
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.428	M 476.300	0.496
%RSD		7.097	M 0.268	12.650
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.010	0.396
%RSD		0.000	15.450	506.200
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.046	93.927%	0.338
%RSD		44.790	0.383	9.268
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.482	41.880	0.000
%RSD		5.323	1.253	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		104.445%	0.888	1.046
%RSD		0.573	11.020	5.763
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		1.040	95.261%	
%RSD		0.456	0.746	

SD 240-18357 -b-7-a@5, 12/10/2012 17:26:00 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		89.006%	0.032	-4.884
%RSD		0.509	21.390	9.672
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		4981.000	7021.000	259.000
%RSD		0.309	0.511	6.267
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	754.900	20530.000
%RSD		0.000	0.965	0.369
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		89.209%	88.096%	4.080
%RSD		0.077	0.408	35.980
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.507	1.117	-2.967
%RSD		28.510	4.099	7.367
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		17.660	258.700	0.118
%RSD		1.124	0.713	8.246
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		0.377	0.593	1.559
%RSD		10.350	9.636	5.315
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		89.610%	0.248	-0.028
%RSD		0.718	35.870	35.010
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.067	96.990	-0.266
%RSD		120.500	0.488	5.465
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.002	0.663
%RSD		0.000	120.800	142.900
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.005	92.817%	0.133
%RSD		202.000	1.011	31.440
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.131	8.550	0.000
%RSD		22.480	2.346	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		102.747%	0.248	0.474
%RSD		0.590	6.853	1.578
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.222	99.653%	
%RSD		4.132	0.105	

240-18357 -b-7-b ms, 12/10/2012 17:30:58 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		84.038%	M 964.800	127.600
%RSD		0.451	M 0.353	2.070
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		32950.000	44550.000	M 11250.000
%RSD		0.632	1.225	M 0.638
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	T 13940.000	M 110300.000
%RSD		0.000	T 0.082	M 0.212
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		T 85.457%	88.512%	118.200
%RSD		T 0.535	0.873	0.821
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		M 938.100	M 962.300	86.950
%RSD		M 0.268	M 0.459	12.350
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		TM 1059.000	T 11550.000	M 931.300
%RSD		TM 0.267	T 0.717	M 0.495
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		M 941.800	M 942.000	M 976.900
%RSD		M 0.311	M 0.397	M 0.252
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		87.023%	M 976.100	-3.078
%RSD		0.626	M 0.218	13.610
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		M 980.000	M 1445.000	99.880
%RSD		M 0.391	M 0.340	0.351
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	101.000	788.500
%RSD		0.000	0.610	26.030
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		M 1005.000	91.832%	101.500
%RSD		M 0.622	0.488	0.620
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		101.700	M 1037.000	0.000
%RSD		0.143	M 0.467	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		104.638%	100.900	TM 233.400
%RSD		0.596	0.728	TM 0.454
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		TM 970.800	92.949%	
%RSD		TM 0.192	0.883	

CCV 7 12/10/2012 17:38:09 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		85.308%	101.674%	86.728%
%RSD		0.547	0.368	0.470
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		±99.299%	101.628%	103.281%
%RSD		±0.749	1.193	0.850
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	±103.958%	99.786%
%RSD		0.000	±0.571	0.161
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		±86.984%	89.284%	102.661%
%RSD		±0.889	1.168	1.239
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		98.681%	99.565%	3.468
%RSD		1.033	0.668	3.647
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		±101.239%	±105.513%	98.365%
%RSD		±0.274	±1.385	1.371
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		99.349%	99.606%	102.460%
%RSD		1.926	1.777	0.715
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		87.602%	100.799%	-0.360
%RSD		1.131	2.276	0.516
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		101.658%	101.804%	105.437%
%RSD		4.722	1.228	0.776
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	103.896%	22.060
%RSD		0.000	0.223	84.320
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		106.125%	91.556%	103.882%
%RSD		0.380	1.403	0.898
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		105.781%	103.663%	0.000
%RSD		1.046	1.711	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		101.677%	106.721%	101.664%
%RSD		1.080	0.232	0.237
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		107.356%	91.508%	
%RSD		0.043	0.988	

CCB 7 12/10/2012 17:45:20 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		83.434%	0.113	-13.370
%RSD		0.653	12.110	3.063
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		44.230	47.710	3.892
%RSD		3.341	13.830	58.070
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	32.710	49.010
%RSD		0.000	3.327	3.653
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		186.006%	86.230%	0.266
%RSD		10.204	0.743	0.742
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.185	0.070	-4.540
%RSD		87.710	14.090	6.222
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		0.608	29.770	0.127
%RSD		1.302	2.491	18.340
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		0.238	0.201	0.615
%RSD		25.050	0.308	12.610
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		88.647%	0.188	-0.065
%RSD		0.799	44.140	83.780
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.077	0.289	0.158
%RSD		160.700	0.641	55.070
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.082	-0.381
%RSD		0.000	11.730	63.260
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.133	92.740%	0.194
%RSD		16.770	0.435	10.380
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.291	0.144	0.000
%RSD		22.620	28.970	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		101.621%	0.753	0.846
%RSD		0.257	7.630	3.380
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.278	100.994%	
%RSD		9.260	0.536	

240-18357 -b-7-c msd, 12/10/2012 17:52:32 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		81.881%	M 978.000	126.600
%RSD		0.953	M 0.683	0.304
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		T 33500.000	44200.000	M 11520.000
%RSD		T 2.029	0.845	M 0.574
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	T 13940.000	M 110400.000
%RSD		0.000	T 0.781	M 0.401
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		T 86.255%	89.486%	120.500
%RSD		T 0.776	0.687	2.392
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		M 953.800	M 972.400	78.270
%RSD		M 0.759	M 0.568	4.970
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		TM 1067.000	T 11620.000	M 935.200
%RSD		TM 0.534	T 0.529	M 0.298
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		M 947.000	M 949.000	M 974.000
%RSD		M 0.529	M 0.542	M 0.260
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		89.200%	M 980.700	-3.135
%RSD		1.316	M 0.662	9.371
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		M 975.700	M 1443.000	100.200
%RSD		M 0.866	M 0.191	0.553
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	100.900	616.800
%RSD		0.000	0.786	31.190
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		M 1010.000	93.515%	101.700
%RSD		M 0.624	1.408	0.276
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		101.800	M 1050.000	0.000
%RSD		0.429	M 0.301	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		105.254%	101.800	TM 235.400
%RSD		0.967	1.078	TM 0.637
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		TM 977.700	94.120%	
%RSD		TM 0.226	0.649	

240-18357 -b-8-a, 12/10/2012 17:59:44 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		87.343%	0.174	27.500
%RSD		0.580	5.059	4.196
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		23310.000	33240.000	M 1466.000
%RSD		0.882	1.190	M 1.173
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	3626.000	96590.000
%RSD		0.000	0.444	0.109
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		91.380%	91.620%	18.960
%RSD		0.447	0.842	4.950
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		2.523	2.136	-4.001
%RSD		9.182	3.736	6.135
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		83.490	1520.000	0.695
%RSD		0.107	1.010	3.178
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		2.237	3.367	17.160
%RSD		5.297	8.060	2.489
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		90.656%	0.956	0.194
%RSD		0.693	6.121	30.600
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.325	M 480.000	0.410
%RSD		35.140	M 1.041	14.500
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.018	1.669
%RSD		0.000	19.760	184.600
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.033	94.519%	0.415
%RSD		36.350	0.556	13.440
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.409	43.860	0.000
%RSD		14.270	1.813	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		105.677%	0.795	1.036
%RSD		0.977	9.121	3.753
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		1.204	96.176%	
%RSD		1.760	0.455	

240-18357 -b-9-a, 12/10/2012 18:06:57 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		87.337%	0.103	26.240
%RSD		0.629	16.450	2.471
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		23430.000	33510.000	M 1471.000
%RSD		0.742	0.840	M 2.069
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	± 3647.000	97310.000
%RSD		0.000	± 0.230	0.331
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		± 88.753%	89.226%	18.600
%RSD		± 0.445	0.679	8.074
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		2.483	2.103	-3.935
%RSD		0.500	0.491	1.560
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		83.560	1536.000	0.668
%RSD		0.867	1.245	5.575
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		2.146	3.313	16.050
%RSD		8.033	3.535	2.835
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		88.953%	0.920	0.150
%RSD		0.508	6.508	8.580
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.266	M 475.300	0.066
%RSD		11.520	M 0.344	103.300
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.019	0.531
%RSD		0.000	31.560	105.500
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.013	92.943%	0.243
%RSD		36.510	0.510	6.143
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.226	43.890	0.000
%RSD		21.800	1.042	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		103.992%	0.314	0.545
%RSD		0.381	3.069	3.462
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		1.259	94.743%	
%RSD		0.763	0.462	

240-18430 -a-1-a, 12/10/2012 18:14:11 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		86.080%	0.014	M 1003.000
%RSD		0.176	63.220	M 0.257
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		32110.000	14980.000	64.490
%RSD		0.660	0.624	5.768
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	T 3537.000	72820.000
%RSD		0.000	T 0.137	0.494
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		T 86.981%	87.777%	0.131
%RSD		T 0.861	0.779	99.450
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.114	0.090	-4.375
%RSD		107.000	9.881	3.221
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		TM 3713.000	27.480	0.836
%RSD		TM 0.115	2.328	6.780
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		2.304	2.275	0.969
%RSD		4.092	7.287	23.730
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		87.770%	0.526	0.152
%RSD		1.547	2.172	7.728
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		-0.004	M 290.500	2.689
%RSD		3217.000	M 0.868	2.292
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.002	-0.492
%RSD		0.000	64.110	27.350
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.158	91.310%	0.054
%RSD		12.510	0.963	64.990
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.109	113.000	0.000
%RSD		26.640	0.980	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		103.377%	0.166	0.408
%RSD		0.576	2.493	3.815
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.064	94.434%	
%RSD		9.763	0.873	

240-18430 -a-2-a, 12/10/2012 18:19:12 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		86.271%	0.113	107.300
%RSD		0.516	11.880	1.026
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		19510.000	8201.000	287.300
%RSD		0.671	1.600	1.529
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	2401.000	29550.000
%RSD		0.000	0.267	0.635
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		87.070%	87.009%	11.220
%RSD		0.317	0.857	15.850
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		3.847	0.698	-3.676
%RSD		7.058	7.067	6.449
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		95.430	420.000	0.630
%RSD		0.129	1.081	8.472
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		7.114	5.392	7.301
%RSD		1.130	2.082	11.590
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		87.675%	2.552	0.196
%RSD		0.436	6.121	34.070
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.766	159.100	2.970
%RSD		10.930	0.651	1.728
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.019	-0.139
%RSD		0.000	8.322	796.700
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.031	91.404%	0.202
%RSD		41.410	0.432	12.430
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.486	56.270	0.000
%RSD		5.111	1.806	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		102.885%	0.544	0.345
%RSD		0.568	1.624	4.169
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.769	96.358%	
%RSD		3.460	0.370	

240-18430 -a-3-a, 12/10/2012 18:24:09 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		84.836%	0.025	77.660
%RSD		0.436	26.450	1.113
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		20460.000	7834.000	234.300
%RSD		0.202	2.181	0.881
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	2232.000	27700.000
%RSD		0.000	0.517	0.675
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		86.102%	85.496%	1.522
%RSD		0.287	0.502	25.850
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.420	0.357	-3.827
%RSD		23.460	4.869	2.571
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		103.800	356.500	0.429
%RSD		0.728	0.621	4.085
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		2.886	5.151	4.959
%RSD		7.041	2.564	4.237
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		88.063%	0.473	0.128
%RSD		0.450	8.961	35.150
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.236	143.600	0.960
%RSD		24.480	0.286	4.374
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.002	-0.582
%RSD		0.000	66.700	135.500
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.022	89.979%	0.259
%RSD		48.050	0.394	16.170
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.143	37.930	0.000
%RSD		8.103	1.791	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		102.317%	0.141	0.259
%RSD		0.564	7.946	4.246
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.564	95.949%	
%RSD		2.706	0.793	

240-18430 -a-4-a, 12/10/2012 18:29:07 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		84.284%	0.035	77.740
%RSD		0.147	31.670	2.585
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		20070.000	7886.000	312.100
%RSD		0.708	0.441	3.152
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	2249.000	27640.000
%RSD		0.000	0.082	0.331
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		85.764%	84.759%	3.204
%RSD		0.739	0.904	13.940
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.423	0.591	-3.651
%RSD		106.800	1.661	8.756
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		116.800	467.300	0.517
%RSD		0.863	0.549	13.030
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		4.287	3.490	20.830
%RSD		5.319	3.444	2.132
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		87.139%	0.679	0.174
%RSD		0.789	10.240	9.722
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.324	144.400	1.015
%RSD		31.730	0.337	4.374
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.004	0.853
%RSD		0.000	80.860	194.300
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.038	90.224%	0.540
%RSD		26.090	0.469	4.155
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.129	38.710	0.000
%RSD		14.920	1.533	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		102.275%	0.140	0.233
%RSD		0.527	5.294	1.528
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		1.274	95.877%	
%RSD		1.656	0.774	

240-18430 -a-5-a, 12/10/2012 18:34:04 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		66.597%	0.025	89.330
%RSD		0.481	74.760	1.317
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		TM 1086000.000	7229.000	141.200
%RSD		TM 0.483	0.865	2.011
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	TM 2685.000	35640.000
%RSD		0.000	TM 0.778	0.381
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		TM 71.922%	73.683%	1.044
%RSD		TM 0.218	1.529	21.490
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.341	0.850	-4.446
%RSD		51.360	5.435	5.638
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		TM 162.200	316.000	0.328
%RSD		TM 0.676	1.765	10.860
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		10.070	6.711	6.079
%RSD		3.087	4.301	4.966
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		68.256%	0.861	0.110
%RSD		2.575	6.870	17.930
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.100	176.400	1.292
%RSD		139.200	0.928	6.504
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.026	0.017
%RSD		0.000	9.620	17410.000
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.050	74.379%	0.275
%RSD		50.200	1.176	12.130
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.173	43.620	0.000
%RSD		15.710	1.025	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		87.538%	0.138	0.226
%RSD		0.877	7.734	3.419
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.484	67.018%	
%RSD		2.511	0.595	

240-18430 -a-6-a, 12/10/2012 18:39:01 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		80.477%	0.008	71.650
%RSD		0.732	69.330	1.174
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		<u>TM 145900.000</u>	11180.000	42.700
%RSD		<u>TM 0.427</u>	1.217	12.340
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	<u>3289.000</u>	74930.000
%RSD		0.000	<u>0.500</u>	0.164
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		<u>83.411%</u>	82.744%	1.813
%RSD		<u>0.153</u>	1.059	87.160
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.925	2.436	-3.570
%RSD		31.320	1.645	15.980
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		<u>738.500</u>	40.810	0.162
%RSD		<u>0.222</u>	1.826	12.830
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		1.935	1.588	19.420
%RSD		4.671	8.060	1.655
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		81.572%	1.170	0.193
%RSD		0.778	10.410	1.401
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.019	<u>M 283.800</u>	2.034
%RSD		488.600	<u>M 0.708</u>	5.604
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.073	-0.641
%RSD		0.000	17.080	634.300
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.108	85.450%	0.113
%RSD		24.930	0.702	28.350
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.183	82.610	0.000
%RSD		7.552	0.611	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		99.144%	0.124	0.202
%RSD		0.875	1.888	1.925
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.121	85.705%	
%RSD		8.635	0.874	

240-18430 -a-7-a, 12/10/2012 18:44:00 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		84.981%	0.006	63.630
%RSD		0.507	28.870	2.126
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		± 36570.000	10600.000	36.920
%RSD		± 0.851	1.111	6.957
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	± 2439.000	43210.000
%RSD		0.000	± 0.818	0.620
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		$\pm 86.231\%$	85.581%	0.269
%RSD		± 0.791	0.623	86.600
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.091	0.070	-3.416
%RSD		245.500	15.150	5.824
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		$\text{TM } 2878.000$	36.590	0.602
%RSD		$\text{TM } 0.556$	1.224	8.697
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		1.262	0.531	0.990
%RSD		2.735	2.027	7.726
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		86.912%	0.347	0.146
%RSD		0.368	29.950	34.080
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.020	$\text{M } 215.700$	1.992
%RSD		521.200	$\text{M } 0.889$	3.277
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.001	0.080
%RSD		0.000	244.600	998.200
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.038	88.403%	0.102
%RSD		35.240	0.736	13.870
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.079	100.300	0.000
%RSD		19.520	1.082	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		102.021%	0.050	0.183
%RSD		0.613	6.388	4.453
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.023	92.009%	
%RSD		14.630	0.482	

CCV 8 12/10/2012 18:48:57 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		83.381%	101.621%	85.576%
%RSD		0.287	0.257	1.437
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		±98.117%	103.445%	102.558%
%RSD		±0.540	0.831	1.063
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	±105.560%	99.041%
%RSD		0.000	±0.162	0.408
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		±85.543%	87.015%	102.176%
%RSD		±0.855	0.975	2.150
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		98.101%	98.723%	4.518
%RSD		0.964	0.085	7.303
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		±100.152%	±106.775%	97.222%
%RSD		±0.154	±0.632	1.212
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		97.956%	98.526%	100.842%
%RSD		0.669	0.241	1.411
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		86.476%	100.752%	-0.421
%RSD		0.243	0.532	33.170
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		102.291%	101.834%	105.461%
%RSD		3.718	0.757	1.210
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	105.497%	30.870
%RSD		0.000	0.548	110.900
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		107.105%	88.173%	106.943%
%RSD		0.489	0.340	0.921
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		108.707%	105.058%	0.000
%RSD		0.816	0.620	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		100.976%	106.763%	99.421%
%RSD		0.958	0.596	0.529
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		107.511%	88.898%	
%RSD		0.381	0.429	

CCB 8 12/10/2012 18:56:08 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		82.408%	0.120	-14.890
%RSD		0.232	3.320	2.782
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		45.120	45.340	4.661
%RSD		0.520	15.340	21.140
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	38.350	58.320
%RSD		0.000	0.115	1.427
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		± 85.804%	85.574%	0.178
%RSD		± 0.554	1.306	42.420
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.049	0.087	-3.893
%RSD		181.100	20.960	4.057
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		0.675	28.270	0.106
%RSD		3.212	10.070	6.696
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		0.172	0.149	0.815
%RSD		5.727	21.470	12.680
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		88.233%	0.143	-0.042
%RSD		0.472	80.000	147.200
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.007	0.293	0.004
%RSD		240.100	20.020	678.100
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.068	-1.792
%RSD		0.000	6.766	143.200
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.106	91.781%	0.140
%RSD		7.464	0.993	22.450
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.154	0.169	0.000
%RSD		11.030	24.430	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		102.325%	0.564	0.526
%RSD		0.633	10.530	5.870
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.245	99.727%	
%RSD		4.092	0.208	

240-18430 -a-8-a, 12/10/2012 19:01:08 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		84.302%	0.053	70.800
%RSD		0.542	27.120	1.002
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		17280.000	8081.000	583.300
%RSD		0.469	2.244	0.949
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	2264.000	28490.000
%RSD		0.000	0.253	0.323
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		87.476%	88.299%	7.285
%RSD		0.479	0.401	8.363
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		1.056	0.878	-3.089
%RSD		27.340	4.898	12.350
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		91.040	916.500	0.611
%RSD		0.418	0.849	3.012
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		2.740	2.466	5.301
%RSD		8.873	2.967	1.079
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		89.169%	0.692	0.158
%RSD		0.565	14.730	18.050
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.263	144.300	1.429
%RSD		46.230	0.622	0.981
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.005	-0.574
%RSD		0.000	17.580	136.000
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.049	91.175%	0.354
%RSD		23.800	0.586	6.062
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.158	39.430	0.000
%RSD		11.640	0.128	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		103.802%	0.247	0.333
%RSD		0.507	6.277	6.300
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		1.007	96.147%	
%RSD		1.826	0.891	

240-18430 -a-9-a, 12/10/2012 19:06:06 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		67.359%	0.016	95.410
%RSD		0.354	27.210	2.565
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		<u>TM 1290000.000</u>	7516.000	66.890
%RSD		<u>TM 0.900</u>	1.664	8.709
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	<u>± 2900.000</u>	29740.000
%RSD		0.000	<u>± 0.332</u>	0.376
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		<u>± 74.652%</u>	79.028%	2.001
%RSD		<u>± 0.306</u>	1.837	17.100
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		1.139	1.015	-4.083
%RSD		9.498	7.476	7.008
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		<u>± 153.000</u>	4324.000	0.517
%RSD		<u>± 0.177</u>	0.473	2.883
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		5.533	<u>M 248.900</u>	13.270
%RSD		3.718	<u>M 0.140</u>	1.098
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		74.199%	16.870	0.169
%RSD		2.037	0.750	21.290
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		1.870	<u>M 255.800</u>	12.070
%RSD		12.130	<u>M 0.399</u>	1.502
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.004	2.219
%RSD		0.000	72.640	136.200
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.068	75.949%	0.480
%RSD		67.400	1.994	8.553
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		4.881	31.730	0.000
%RSD		4.455	0.939	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		87.956%	0.511	0.326
%RSD		0.889	2.489	2.370
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.444	65.946%	
%RSD		0.332	1.115	

240-18430 -a-10-a, 12/10/2012 19:11:09 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		24.453%	0.029	M 241.400
%RSD		1.421	54.340	M 2.105
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		TM 15720000.000	1555.000	155.800
%RSD		TM 0.884	5.751	1.965
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	T 7070.000	9003.000
%RSD		0.000	T 0.589	0.674
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		40.240%	47.527%	0.245
%RSD		0.431	2.036	100.300
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		-0.450	0.749	-2.709
%RSD		50.880	11.460	12.640
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		134.300	7803.000	1.272
%RSD		0.139	0.455	5.097
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		64.740	0.297	51.670
%RSD		1.909	40.790	2.946
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		36.740%	0.108	0.222
%RSD		2.689	174.100	25.670
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		1.355	128.400	-0.322
%RSD		42.180	0.780	7.524
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.006	0.000
%RSD		0.000	91.580	0.000
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.018	36.293%	0.104
%RSD		226.900	2.225	18.320
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.123	46.900	0.000
%RSD		13.670	0.524	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		36.291%	0.080	0.201
%RSD		1.214	1.156	4.119
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		2.291	21.568%	
%RSD		0.211	0.851	

240-18447 -a-1-a, 12/10/2012 19:16:08 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		91.666%	0.014	M 1263.000
%RSD		0.382	83.170	M 0.190
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		M 255100.000	5611.000	86.400
%RSD		M 1.776	1.788	6.305
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	M 21140.000	8148.000
%RSD		0.000	M 0.136	0.138
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		M 91.425%	95.216%	3.108
%RSD		M 0.796	0.945	15.440
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		1.065	0.379	2.769
%RSD		10.140	5.151	11.460
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		34.320	111.200	0.315
%RSD		0.582	2.719	8.431
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		M 210.400	2.719	42.650
%RSD		M 1.428	3.946	1.000
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		92.365%	1.088	-0.413
%RSD		0.761	4.498	4.696
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.224	32.870	M 922.500
%RSD		35.560	1.810	M 1.650
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.007	52.560
%RSD		0.000	43.690	17.400
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		-0.289	93.640%	10.510
%RSD		6.719	0.380	1.385
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		1.252	2.860	0.000
%RSD		6.235	4.363	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		106.891%	0.484	0.149
%RSD		0.743	3.804	8.013
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.291	88.557%	
%RSD		1.972	0.401	

240-18448 -a-1-a, 12/10/2012 19:21:08 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		98.198%	0.005	M 783.000
%RSD		0.927	103.300	M 0.735
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		TM 125300.000	13530.000	353.900
%RSD		TM 0.512	1.277	1.867
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	TM 17760.000	68280.000
%RSD		0.000	TM 0.207	0.561
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		TM 98.272%	103.379%	19.210
%RSD		TM 1.126	0.924	9.267
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		1.552	10.660	2.044
%RSD		19.720	0.165	31.400
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		TM 1844.000	3279.000	1.439
%RSD		TM 0.384	0.482	3.686
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		M 480.400	60.580	M 4072.000
%RSD		M 0.359	0.957	M 0.447
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		99.034%	1.007	-0.808
%RSD		1.277	7.790	2.432
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.187	M 302.200	M 1438.000
%RSD		108.400	M 0.143	M 1.141
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.038	72.880
%RSD		0.000	16.750	6.097
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		-0.183	99.790%	8.781
%RSD		25.990	1.044	1.388
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		1.589	72.280	0.000
%RSD		3.335	0.263	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		111.921%	0.531	0.150
%RSD		0.646	1.557	1.511
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		17.230	109.045%	
%RSD		0.944	0.792	

240-18456 -a-1-a, 12/10/2012 19:26:10 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		99.664%	0.001	1.728
%RSD		0.224	307.900	50.270
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		635.200	71.180	40.910
%RSD		1.779	13.680	6.129
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	128.700	357.800
%RSD		0.000	0.891	2.715
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		100.356%	102.101%	0.562
%RSD		0.337	0.256	39.900
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.286	0.204	-0.372
%RSD		33.050	25.540	8.809
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		2.755	42.700	0.009
%RSD		0.668	2.135	24.700
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		0.399	1.282	9.366
%RSD		20.440	8.880	0.911
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		104.130%	0.090	0.121
%RSD		0.532	101.200	21.630
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.101	0.708	28.730
%RSD		70.750	6.554	21.340
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.014	3.591
%RSD		0.000	19.540	33.040
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.021	102.552%	0.205
%RSD		61.660	0.229	11.590
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.161	1.481	0.000
%RSD		17.080	6.172	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		112.941%	0.058	0.110
%RSD		0.497	4.950	1.423
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.535	107.015%	
%RSD		4.073	0.353	

mb 240-67196/1-a, 12/10/2012 19:31:11 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		96.744%	-0.000	-10.890
%RSD		0.388	1118.000	6.240
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		290.300	52.360	-3.262
%RSD		2.336	3.814	9.796
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	47.680	202.800
%RSD		0.000	1.036	2.200
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		197.986%	100.475%	0.115
%RSD		10.564	1.133	100.700
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.014	0.072	-1.104
%RSD		2134.000	39.080	52.060
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		0.371	8.600	-0.001
%RSD		2.895	2.582	113.400
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		0.172	0.808	10.350
%RSD		17.700	5.371	2.557
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		102.048%	-0.053	0.149
%RSD		0.680	156.200	11.050
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		-0.076	0.313	5.123
%RSD		53.650	6.774	14.700
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	-0.000	-0.194
%RSD		0.000	572.100	173.200
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.002	101.792%	5.346
%RSD		243.800	0.517	1.876
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.020	0.791	0.000
%RSD		42.200	21.000	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		111.072%	0.035	0.093
%RSD		0.462	5.693	7.531
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.268	106.972%	
%RSD		3.904	0.816	

Ics 240-67196/2-a, 12/10/2012 19:36:08 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		95.509%	M 890.100	70.890
%RSD		0.658	M 0.490	1.966
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		8980.000	9846.000	M 9048.000
%RSD		0.397	0.655	M 0.729
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	T 9765.000	9137.000
%RSD		0.000	T 0.469	0.717
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		T 95.614%	99.959%	89.160
%RSD		T 0.461	1.047	7.288
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		M 839.800	M 874.200	80.080
%RSD		M 0.483	M 0.383	2.706
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		T 894.900	T 9581.000	M 854.600
%RSD		T 0.465	T 0.326	M 0.179
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		M 879.600	M 898.800	M 942.700
%RSD		M 0.389	M 0.415	M 0.487
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		100.152%	M 881.500	-2.840
%RSD		0.664	M 0.486	7.678
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		M 899.400	M 840.500	88.910
%RSD		M 0.543	M 0.405	0.597
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	96.610	642.900
%RSD		0.000	0.203	19.020
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		M 957.600	100.855%	92.740
%RSD		M 0.546	0.661	0.586
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		93.630	M 907.600	0.000
%RSD		0.541	M 1.010	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		112.030%	88.070	TM 204.600
%RSD		0.626	1.344	TM 0.575
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		TM 919.200	103.579%	
%RSD		TM 0.175	0.174	

240-18084 -s-5-a, 12/10/2012 19:43:20 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		91.594%	0.047	M 568.000
%RSD		0.198	6.878	M 0.312
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		TM 188600.000	71960.000	2.153
%RSD		TM 0.648	0.775	4.189
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	T 81070.000	37350.000
%RSD		0.000	T 0.249	0.196
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		T 93.436%	99.105%	0.854
%RSD		T 0.965	0.443	21.030
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.467	0.984	0.867
%RSD		11.930	3.041	29.890
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		5.657	2731.000	3.138
%RSD		0.814	0.476	0.823
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		10.180	0.539	2.546
%RSD		5.506	14.360	7.299
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		94.349%	0.753	-0.300
%RSD		1.117	8.196	1.817
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.362	M 402.200	26.610
%RSD		54.120	M 0.244	0.927
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.005	1.467
%RSD		0.000	86.480	29.540
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.020	93.635%	1.163
%RSD		104.600	1.673	5.089
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.369	79.020	0.000
%RSD		6.476	1.500	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		107.026%	2.234	0.815
%RSD		1.064	3.682	7.114
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.021	89.286%	
%RSD		46.350	1.103	

SD 240-18084 -s-5-a@5, 12/10/2012 19:50:33 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		102.325%	0.018	110.400
%RSD		0.453	26.170	1.660
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		<u>± 39950.000</u>	15260.000	1.015
%RSD		<u>± 0.161</u>	1.041	49.820
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	<u>± 17230.000</u>	7935.000
%RSD		0.000	<u>± 0.424</u>	0.484
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		<u>± 100.356%</u>	105.737%	0.145
%RSD		<u>± 0.493</u>	0.562	114.200
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.060	0.256	2.138
%RSD		200.900	3.975	14.710
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		1.265	570.300	0.650
%RSD		1.092	0.918	3.333
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		2.143	0.176	1.414
%RSD		2.230	8.200	12.630
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		104.274%	0.132	-0.102
%RSD		0.490	51.790	67.930
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.110	80.520	5.287
%RSD		135.700	0.547	3.122
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	-0.000	-0.195
%RSD		0.000	1414.000	173.200
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.005	101.583%	0.282
%RSD		129.300	0.646	13.220
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.112	16.040	0.000
%RSD		33.840	2.131	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		114.101%	0.499	0.320
%RSD		0.443	4.499	3.585
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		-0.005	102.335%	
%RSD		27.960	0.548	

CCV 9 12/10/2012 19:55:36 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		96.190%	98.583%	82.742%
%RSD		0.265	0.516	0.508
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		<u>101.853%</u>	107.359%	102.687%
%RSD		<u>0.561</u>	0.654	2.757
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	<u>110.833%</u>	99.323%
%RSD		0.000	<u>0.480</u>	0.070
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		<u>95.333%</u>	101.297%	102.771%
%RSD		<u>0.570</u>	0.833	6.951
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		97.933%	98.847%	6.276
%RSD		0.419	0.550	9.345
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		<u>100.337%</u>	<u>108.999%</u>	97.694%
%RSD		<u>0.178</u>	<u>0.449</u>	0.872
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		99.902%	100.015%	102.999%
%RSD		0.657	0.460	1.011
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		98.831%	101.373%	-0.297
%RSD		0.969	0.678	45.810
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		99.603%	101.765%	108.543%
%RSD		2.773	0.901	0.626
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	107.512%	52.950
%RSD		0.000	0.468	57.030
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		109.453%	97.169%	107.321%
%RSD		0.303	0.695	0.500
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		109.095%	103.632%	0.000
%RSD		0.379	1.280	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		110.957%	108.089%	99.788%
%RSD		1.100	0.447	0.425
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		107.196%	96.099%	
%RSD		0.127	0.492	

CCB 9 12/10/2012 20:02:48 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		94.652%	0.121	-15.630
%RSD		0.396	12.170	1.961
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		125.000	55.490	3.063
%RSD		3.667	9.805	27.690
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	52.960	58.880
%RSD		0.000	0.181	8.992
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		194.344%	100.686%	0.228
%RSD		10.309	1.150	1.083
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		-0.044	0.137	-2.216
%RSD		385.200	1.078	13.460
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		0.747	30.510	0.124
%RSD		2.106	3.822	10.280
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		0.186	0.125	0.658
%RSD		21.560	39.900	11.920
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		101.529%	0.060	0.003
%RSD		0.408	116.000	547.500
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.135	0.283	0.419
%RSD		90.390	13.170	13.800
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.073	-0.021
%RSD		0.000	2.031	9841.000
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.120	100.341%	0.148
%RSD		11.090	0.607	4.667
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.166	0.131	0.000
%RSD		21.640	20.180	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		111.501%	0.614	0.600
%RSD		0.864	9.445	4.472
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.255	107.676%	
%RSD		2.371	0.159	

ICSA 12/10/2012 20:10:01 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		89.829%	0.011	-16.690
%RSD		0.480	35.100	1.262
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		<u>50800.000</u>	53880.000	<u>49590.000</u>
%RSD		<u>0.180</u>	0.343	<u>0.218</u>
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	<u>55300.000</u>	49940.000
%RSD		0.000	<u>0.367</u>	0.551
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		<u>88.826%</u>	99.374%	<u>1003.000</u>
%RSD		<u>0.607</u>	1.032	<u>1.969</u>
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.064	0.580	-1.335
%RSD		177.700	10.250	12.980
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		0.123	<u>54260.000</u>	0.044
%RSD		9.652	<u>0.992</u>	20.810
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		0.347	0.203	1.079
%RSD		4.637	13.160	6.978
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		97.005%	0.151	-0.148
%RSD		0.832	57.180	14.500
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.018	0.123	<u>1015.000</u>
%RSD		553.200	19.430	<u>1.246</u>
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.038	72.380
%RSD		0.000	10.840	26.910
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		-0.024	96.518%	0.109
%RSD		292.400	1.151	12.730
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.158	0.065	0.000
%RSD		4.908	38.130	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		108.324%	0.254	0.303
%RSD		1.313	4.816	5.216
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.165	95.949%	
%RSD		5.844	1.370	

ICSAB 12/10/2012 20:14:59 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		89.652%	98.584%	77.095%
%RSD		0.238	0.326	1.411
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		<u>101.963%</u>	108.592%	<u>M 99.179%</u>
%RSD		<u>0.424</u>	0.471	<u>M 0.327</u>
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	<u>112.888%</u>	100.769%
%RSD		0.000	<u>0.403</u>	0.165
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		<u>89.212%</u>	100.371%	<u>M 101.500%</u>
%RSD		<u>0.525</u>	1.354	<u>M 0.862</u>
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		98.223%	99.580%	6.837
%RSD		0.684	0.262	21.650
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		<u>102.147%</u>	<u>TM 109.979%</u>	96.376%
%RSD		<u>0.274</u>	<u>TM 0.582</u>	1.046
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		98.473%	98.867%	104.545%
%RSD		0.399	0.958	0.043
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		98.656%	99.106%	-0.123
%RSD		1.861	1.034	139.000
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		99.114%	98.636%	<u>M 1142.000</u>
%RSD		3.658	1.174	<u>M 0.454</u>
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	106.725%	140.700
%RSD		0.000	0.187	40.630
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		107.890%	98.049%	107.838%
%RSD		0.698	0.826	1.088
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		107.828%	104.805%	0.000
%RSD		0.391	0.969	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		111.393%	106.942%	100.836%
%RSD		1.368	0.611	0.377
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		108.587%	97.667%	
%RSD		0.167	1.197	

CCV 12/10/2012 20:22:12 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		94.917%	97.744%	79.241%
%RSD		0.401	0.836	0.384
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		<u>101.872%</u>	107.279%	103.307%
%RSD		<u>0.228</u>	0.837	3.620
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	<u>111.591%</u>	99.990%
%RSD		0.000	<u>0.393</u>	0.285
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		<u>95.307%</u>	104.758%	102.300%
%RSD		<u>0.519</u>	0.814	2.008
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		98.361%	99.315%	5.441
%RSD		0.885	0.864	7.722
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		<u>100.648%</u>	<u>109.906%</u>	97.874%
%RSD		<u>0.087</u>	<u>0.561</u>	0.667
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		99.326%	100.778%	103.280%
%RSD		0.791	1.501	1.189
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		101.921%	101.298%	-0.447
%RSD		1.399	1.902	40.930
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		102.007%	100.829%	119.697%
%RSD		2.564	1.016	1.413
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	107.260%	28.720
%RSD		0.000	0.125	153.100
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		107.620%	101.101%	106.458%
%RSD		0.685	0.473	0.560
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		107.415%	104.711%	0.000
%RSD		1.023	2.152	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		114.785%	109.723%	100.032%
%RSD		0.974	0.813	0.521
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		107.008%	99.709%	
%RSD		0.209	0.956	

CCB 12/10/2012 20:29:24 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		94.559%	0.130	-17.480
%RSD		0.523	10.890	3.274
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		99.850	63.780	4.703
%RSD		1.960	3.247	17.830
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	58.960	65.190
%RSD		0.000	2.339	7.285
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		194.717%	103.315%	0.295
%RSD		10.067	0.944	56.650
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.080	0.117	-2.886
%RSD		182.700	10.660	4.428
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		0.794	34.350	0.128
%RSD		2.399	5.756	15.740
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		0.192	0.123	0.543
%RSD		23.260	13.000	37.980
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		104.142%	-0.005	0.009
%RSD		1.501	2296.000	295.600
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.141	0.285	2.462
%RSD		59.980	14.980	10.180
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.087	-0.605
%RSD		0.000	8.536	234.000
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.120	102.591%	0.209
%RSD		37.150	0.065	14.240
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.220	0.152	0.000
%RSD		9.081	45.320	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		115.154%	0.826	0.686
%RSD		0.575	11.330	4.539
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.265	109.858%	
%RSD		2.470	0.639	

240-18084 -s-5-b ms, 12/10/2012 20:36:36 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		90.427%	M 907.200	M 617.000
%RSD		0.239	M 0.212	M 0.115
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		TM 184000.000	76000.000	M 9246.000
%RSD		TM 0.763	0.248	M 0.556
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	T 87640.000	44560.000
%RSD		0.000	T 0.426	0.977
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		T 92.730%	104.338%	92.570
%RSD		T 1.050	1.154	1.538
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		M 899.800	M 915.700	78.760
%RSD		M 0.260	M 0.139	4.236
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		T 925.600	T 12420.000	M 890.000
%RSD		T 0.369	T 0.275	M 0.376
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		M 898.100	M 903.000	M 922.900
%RSD		M 0.120	M 0.507	M 0.119
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		98.606%	M 936.400	-3.418
%RSD		1.274	M 0.415	10.470
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		M 912.600	M 1288.000	124.500
%RSD		M 0.911	M 0.297	1.379
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	98.800	571.000
%RSD		0.000	0.531	16.940
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		M 989.900	98.023%	100.200
%RSD		M 0.581	0.882	0.318
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		101.000	M 1039.000	0.000
%RSD		0.183	M 0.600	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		112.235%	104.200	TM 234.000
%RSD		0.830	0.418	TM 0.181
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		TM 938.500	93.702%	
%RSD		TM 0.410	1.235	

240-18084 -s-5-c msd, 12/10/2012 20:43:49 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		92.653%	M 916.300	M 651.800
%RSD		0.965	M 0.701	M 0.383
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		TM 195900.000	80880.000	M 9318.000
%RSD		TM 0.362	0.505	M 0.252
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	T 92850.000	46800.000
%RSD		0.000	T 0.963	0.496
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		T 94.630%	105.563%	97.160
%RSD		T 0.412	1.069	3.853
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		M 919.000	M 938.000	84.950
%RSD		M 0.557	M 0.699	2.377
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		T 938.700	T 12750.000	M 909.600
%RSD		T 0.861	T 0.135	M 0.752
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		M 919.000	M 920.400	M 942.900
%RSD		M 0.820	M 0.725	M 0.922
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		99.281%	M 952.200	-3.690
%RSD		1.898	M 0.924	10.400
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		M 934.500	M 1331.000	127.500
%RSD		M 1.338	M 0.621	0.836
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	99.190	742.100
%RSD		0.000	0.647	12.240
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		M 997.800	99.388%	100.700
%RSD		M 0.921	1.173	0.583
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		101.700	M 1062.000	0.000
%RSD		0.393	M 0.754	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		113.156%	106.200	TM 238.300
%RSD		1.323	0.944	TM 0.387
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		TM 946.800	94.118%	
%RSD		TM 0.357	0.529	

240-18209 -a-1-a, 12/10/2012 20:51:02 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		85.662%	0.070	8.392
%RSD		0.855	4.710	1.698
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		22370.000	58760.000	12.960
%RSD		0.581	0.559	16.590
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	<u>7227.000</u>	<u>747300.000</u>
%RSD		0.000	<u>0.756</u>	<u>0.282</u>
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		<u>91.115%</u>	106.230%	0.656
%RSD		<u>0.909</u>	1.880	50.030
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.327	0.075	-3.774
%RSD		28.690	16.740	4.818
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		<u>821.500</u>	105.100	2.132
%RSD		<u>0.368</u>	3.697	2.192
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		11.960	1.079	22.400
%RSD		2.498	3.638	1.514
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		96.012%	1.028	0.221
%RSD		1.759	13.080	25.510
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.196	<u>936.100</u>	0.900
%RSD		13.260	<u>0.183</u>	8.911
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.007	0.278
%RSD		0.000	65.010	173.200
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.070	100.040%	0.396
%RSD		10.910	1.528	7.928
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.409	<u>235.900</u>	0.000
%RSD		6.513	<u>0.964</u>	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		112.739%	1.794	1.265
%RSD		1.178	6.006	6.525
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.074	90.151%	
%RSD		0.374	1.930	

240-18209 -a-2-a, 12/10/2012 20:58:15 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		80.035%	0.074	7.349
%RSD		0.907	9.808	9.699
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		16090.000	65380.000	774.800
%RSD		1.044	0.769	1.981
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	<u>TM 4990.000</u>	<u>TM 989900.000</u>
%RSD		0.000	<u>TM 0.607</u>	<u>TM 0.221</u>
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		<u>TM 88.461%</u>	104.877%	8.473
%RSD		<u>TM 1.125</u>	2.080	16.200
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		1.328	2.638	-3.752
%RSD		20.430	3.691	5.950
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		<u>TM 1967.000</u>	2082.000	14.130
%RSD		<u>TM 0.381</u>	0.546	1.995
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		80.990	36.840	47.940
%RSD		1.711	0.989	2.063
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		95.354%	1.010	0.220
%RSD		2.104	13.380	31.290
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.255	<u>M 769.200</u>	1.136
%RSD		45.630	<u>M 0.193</u>	7.746
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	1.224	-0.180
%RSD		0.000	0.853	306.000
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.063	99.841%	0.945
%RSD		31.640	1.816	3.729
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.280	101.600	0.000
%RSD		6.222	0.135	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		111.293%	8.440	1.098
%RSD		1.830	1.506	0.734
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		1.283	86.432%	
%RSD		1.130	1.583	

240-18209 -a-3-a, 12/10/2012 21:05:29 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		45.156%	0.023	-0.781
%RSD		0.629	14.740	75.220
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		14260.000	<u>M 349900.000</u>	15.680
%RSD		0.924	<u>M 0.184</u>	11.290
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	<u>T 13350.000</u>	<u>TM 4680000.000</u>
%RSD		0.000	<u>T 0.056</u>	<u>TM 0.239</u>
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		<u>T 63.525%</u>	92.600%	0.677
%RSD		<u>T 1.134</u>	1.788	30.340
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.175	-0.018	-1.932
%RSD		138.900	133.100	11.690
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		<u>TM 11850.000</u>	-1421.000	66.760
%RSD		<u>TM 0.152</u>	1.700	0.856
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		<u>M 402.800</u>	60.560	53.700
%RSD		<u>M 0.534</u>	0.049	2.840
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		73.232%	3.784	0.435
%RSD		1.994	3.609	12.830
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.197	<u>TM 3361.000</u>	-0.095
%RSD		129.700	<u>TM 0.338</u>	88.230
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	7.128	0.503
%RSD		0.000	1.195	1077.000
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.394	76.352%	0.123
%RSD		20.210	1.544	8.240
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.168	<u>M 640.100</u>	0.000
%RSD		24.070	<u>M 0.685</u>	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		77.985%	0.275	1.736
%RSD		1.983	9.181	1.203
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.169	50.674%	
%RSD		1.366	2.483	

240-18209 -a-4-a, 12/10/2012 21:10:33 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		80.691%	0.041	-0.497
%RSD		0.341	11.280	158.300
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		26010.000	M 107300.000	453.600
%RSD		0.408	M 0.475	2.552
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	T 7333.000	TM 808900.000
%RSD		0.000	T 0.261	TM 0.074
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		T 88.664%	99.513%	5.457
%RSD		T 0.846	1.312	23.950
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		1.018	0.811	-3.508
%RSD		24.550	7.277	13.740
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		T 587.800	T 14410.000	1.407
%RSD		T 0.206	T 0.292	6.414
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		7.000	1.401	M 230.400
%RSD		3.136	3.900	M 0.322
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		91.821%	1.482	0.225
%RSD		0.905	7.837	25.200
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.198	M 612.500	0.396
%RSD		104.700	M 0.693	7.227
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.022	0.392
%RSD		0.000	9.693	671.400
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.067	97.657%	0.301
%RSD		26.660	0.690	6.130
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.132	M 353.000	0.000
%RSD		19.830	M 1.035	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		109.529%	0.403	0.351
%RSD		1.378	3.152	1.326
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.534	87.483%	
%RSD		1.179	1.443	

CCV 10 12/10/2012 21:15:31 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		93.333%	101.698%	82.400%
%RSD		0.132	0.791	0.366
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		<u>101.775%</u>	107.148%	103.918%
%RSD		<u>1.240</u>	0.339	1.964
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	<u>109.001%</u>	97.698%
%RSD		0.000	<u>0.443</u>	0.504
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		<u>95.598%</u>	102.370%	101.988%
%RSD		<u>0.984</u>	1.258	2.672
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		96.832%	98.486%	6.025
%RSD		0.901	1.051	10.930
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		<u>100.415%</u>	<u>110.331%</u>	95.751%
%RSD		<u>0.327</u>	<u>0.832</u>	0.322
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		96.397%	96.741%	101.384%
%RSD		0.521	0.735	0.589
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		100.241%	100.171%	-0.430
%RSD		0.144	0.850	82.320
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		101.754%	101.743%	104.974%
%RSD		0.533	0.150	1.735
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	104.257%	68.780
%RSD		0.000	0.404	45.600
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		107.917%	100.404%	106.232%
%RSD		0.679	0.904	0.367
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		108.594%	105.845%	0.000
%RSD		0.212	0.832	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		112.755%	106.405%	99.338%
%RSD		0.507	0.533	0.187
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		107.618%	98.973%	
%RSD		0.611	0.746	

CCB 10 12/10/2012 21:22:43 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		89.132%	0.139	-16.430
%RSD		0.213	4.559	2.694
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		76.950	64.040	5.502
%RSD		5.888	18.360	45.260
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	56.400	108.800
%RSD		0.000	1.211	3.321
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		92.425%	96.424%	0.277
%RSD		0.377	0.444	137.500
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.211	0.150	-3.726
%RSD		137.500	7.656	11.490
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		0.926	36.630	0.138
%RSD		1.808	3.554	4.723
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		0.233	0.164	0.476
%RSD		3.555	38.170	16.570
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		98.013%	0.209	-0.025
%RSD		0.711	42.690	178.400
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.128	0.375	0.238
%RSD		24.340	13.570	21.900
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.097	-0.675
%RSD		0.000	4.736	278.200
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.155	99.704%	0.160
%RSD		11.440	0.112	3.696
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.209	0.194	0.000
%RSD		4.831	15.600	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		109.823%	0.649	0.657
%RSD		0.551	9.335	5.019
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.279	107.564%	
%RSD		3.577	0.642	

240-18209 -a-5-a, 12/10/2012 21:29:56 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		86.465%	0.016	55.790
%RSD		0.052	8.430	0.981
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		15960.000	41590.000	9.182
%RSD		0.744	0.819	14.850
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	<u>7241.000</u>	<u>TM 149200.000</u>
%RSD		0.000	<u>0.298</u>	<u>TM 0.467</u>
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		<u>90.674%</u>	94.796%	0.408
%RSD		<u>0.326</u>	1.208	97.530
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.445	0.479	-3.551
%RSD		13.770	10.090	5.051
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		3.559	1.385	0.093
%RSD		0.726	132.800	17.040
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		0.746	0.922	54.080
%RSD		9.812	8.701	1.211
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		93.615%	0.326	0.161
%RSD		1.191	9.860	42.660
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.500	<u>M 387.300</u>	1.694
%RSD		60.400	<u>M 0.775</u>	0.642
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.005	0.366
%RSD		0.000	70.540	232.800
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.002	95.411%	0.291
%RSD		353.300	0.766	12.160
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.472	72.710	0.000
%RSD		11.490	1.101	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		108.423%	1.356	0.362
%RSD		1.182	0.466	1.626
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.036	96.637%	
%RSD		7.312	1.108	

240-18209 -a-6-a, 12/10/2012 21:35:02 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		87.648%	0.013	-6.280
%RSD		0.627	57.810	8.481
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		11910.000	26060.000	66.740
%RSD		0.402	0.536	3.379
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	34640.000	85880.000
%RSD		0.000	0.082	0.156
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		89.538%	93.078%	2.018
%RSD		0.368	0.727	13.270
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		-0.024	2.093	-2.354
%RSD		1400.000	3.762	18.640
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		30.180	1028.000	0.632
%RSD		0.554	0.770	3.995
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		2.639	1.444	94.920
%RSD		2.840	7.814	0.347
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		93.227%	0.706	0.187
%RSD		0.649	15.740	20.660
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.169	108.800	0.958
%RSD		41.950	1.418	10.970
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.002	-0.975
%RSD		0.000	127.100	194.300
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.011	94.171%	1.216
%RSD		91.410	0.344	5.727
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.170	39.720	0.000
%RSD		13.500	0.784	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		108.539%	0.322	0.242
%RSD		0.548	4.669	3.027
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.276	97.619%	
%RSD		3.083	0.681	

240-18209 -a-7-a, 12/10/2012 21:40:04 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		82.718%	0.013	-1.515
%RSD		0.067	35.870	5.387
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		±68280.000	5921.000	58.060
%RSD		±0.629	1.159	4.157
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	TM 124000.000	4536.000
%RSD		0.000	TM 0.038	1.142
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		±85.625%	88.901%	0.518
%RSD		±0.851	1.105	25.940
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		2.398	5.922	-2.581
%RSD		4.826	1.363	19.310
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		1.276	39.200	0.251
%RSD		3.135	2.387	5.264
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		1.011	1.332	15.680
%RSD		6.711	6.147	2.969
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		88.987%	1.443	0.133
%RSD		1.162	4.787	43.290
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.710	114.800	7.054
%RSD		15.880	0.527	3.887
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	-0.001	-0.141
%RSD		0.000	138.700	336.200
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		-0.002	88.903%	1.409
%RSD		449.500	0.214	3.562
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.851	20.990	0.000
%RSD		9.483	0.274	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		104.403%	2.220	0.219
%RSD		1.150	2.872	3.329
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.031	92.879%	
%RSD		7.175	0.886	

240-18209 -a-8-a, 12/10/2012 21:45:03 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		86.047%	0.010	44.830
%RSD		0.131	25.010	0.281
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		±67270.000	15940.000	32.790
%RSD		±0.103	0.192	2.013
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	±5941.000	M99940.000
%RSD		0.000	±0.077	M0.085
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		±87.659%	91.925%	0.961
%RSD		±0.557	0.658	53.310
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.286	0.122	-2.957
%RSD		49.810	9.287	13.560
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		±544.900	1270.000	1.330
%RSD		±0.165	0.296	2.953
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		2.539	0.587	3.401
%RSD		3.741	1.962	6.714
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		91.371%	1.138	0.130
%RSD		0.372	2.751	24.230
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.068	M201.800	0.415
%RSD		125.500	M0.710	5.557
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.001	-0.704
%RSD		0.000	253.300	317.900
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.010	91.968%	0.221
%RSD		74.470	0.370	9.668
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.078	39.300	0.000
%RSD		22.250	1.293	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		107.052%	0.304	0.200
%RSD		0.834	6.872	2.820
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.034	94.421%	
%RSD		5.646	0.484	

240-18209 -a-9-a, 12/10/2012 21:50:02 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		86.996%	0.010	53.160
%RSD		0.313	28.610	2.089
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		78320.000	15720.000	3.511
%RSD		0.342	0.425	36.070
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	6174.000	83070.000
%RSD		0.000	0.302	0.274
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		88.135%	92.585%	0.249
%RSD		0.495	0.611	86.600
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.392	0.180	-2.764
%RSD		41.790	12.490	2.639
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		1113.000	5805.000	0.783
%RSD		0.289	0.580	2.389
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		1.947	0.407	2.661
%RSD		6.633	15.450	2.003
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		91.847%	2.160	0.158
%RSD		0.610	3.621	14.030
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		-0.001	199.800	0.094
%RSD		6763.000	1.150	84.090
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.000	-0.057
%RSD		0.000	1080.000	1963.000
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.010	92.126%	0.312
%RSD		153.100	0.894	9.045
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.060	39.260	0.000
%RSD		22.160	1.834	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		106.673%	0.115	0.164
%RSD		0.654	8.468	4.002
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		-0.004	94.734%	
%RSD		71.520	0.639	

240-18209 -a-10-a, 12/10/2012 21:55:01 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		86.668%	0.009	-10.040
%RSD		0.747	45.080	3.549
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		<u>±54760.000</u>	31040.000	4.353
%RSD		<u>±0.399</u>	0.574	15.270
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	<u>±1158.000</u>	<u>TM 115200.000</u>
%RSD		0.000	<u>±0.411</u>	<u>TM 0.085</u>
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		<u>±88.401%</u>	91.703%	0.209
%RSD		<u>±0.210</u>	0.448	91.440
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.098	0.059	-3.296
%RSD		229.200	17.200	11.230
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		39.960	1446.000	0.060
%RSD		0.479	0.526	14.940
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		1.385	0.267	2.836
%RSD		7.703	4.472	10.100
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		91.503%	0.898	0.166
%RSD		0.970	10.680	39.100
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		-0.052	180.600	0.070
%RSD		60.290	0.658	33.940
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	-0.000	0.000
%RSD		0.000	284.400	0.000
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.009	92.089%	0.366
%RSD		196.300	0.753	5.364
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.037	66.900	0.000
%RSD		25.850	1.084	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		107.202%	0.120	0.148
%RSD		0.949	10.210	6.663
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.012	94.793%	
%RSD		17.830	0.325	

240-18209 -a-11-a, 12/10/2012 22:00:00 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		85.271%	0.008	19.760
%RSD		0.451	36.830	1.631
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		43180.000	18230.000	1.943
%RSD		0.879	2.539	17.160
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	3401.000	110200.000
%RSD		0.000	0.411	0.216
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		86.913%	91.010%	0.211
%RSD		0.246	0.700	35.120
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.119	0.101	-3.659
%RSD		153.100	28.930	8.350
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		0.652	-78.830	0.068
%RSD		2.094	0.834	13.970
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		0.985	0.837	2.049
%RSD		11.620	12.750	2.726
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		90.245%	0.100	0.183
%RSD		1.179	115.400	16.110
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		-0.064	144.500	-0.318
%RSD		137.000	0.564	3.289
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.001	0.083
%RSD		0.000	46.460	932.800
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.001	92.046%	0.146
%RSD		977.700	0.599	8.922
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.077	18.580	0.000
%RSD		17.600	1.528	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		107.089%	0.081	0.145
%RSD		1.050	5.828	2.409
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		-0.009	95.809%	
%RSD		26.610	0.685	

240-18209 -a-12-a, 12/10/2012 22:04:59 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		84.151%	0.009	35.180
%RSD		0.051	28.060	0.547
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		80580.000	20670.000	2.963
%RSD		0.873	0.793	6.413
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	4823.000	102800.000
%RSD		0.000	0.481	0.247
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		85.354%	89.650%	0.127
%RSD		0.528	1.269	173.200
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.202	0.092	-3.619
%RSD		23.680	12.210	6.943
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		266.200	-12.920	1.073
%RSD		0.199	11.580	2.098
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		3.086	0.563	11.820
%RSD		3.269	14.140	2.251
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		88.152%	0.767	0.160
%RSD		1.255	25.710	28.740
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.101	177.800	2.489
%RSD		106.000	0.136	4.380
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.001	-0.146
%RSD		0.000	321.800	773.100
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.001	90.120%	0.975
%RSD		1242.000	1.210	2.143
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.057	36.420	0.000
%RSD		21.290	0.314	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		104.819%	0.844	0.211
%RSD		1.164	2.339	2.596
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.024	93.524%	
%RSD		10.680	0.647	

240-18209 -a-13-a, 12/10/2012 22:09:58 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		86.930%	0.011	-8.324
%RSD		0.519	15.320	3.226
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		28610.000	28020.000	-1.808
%RSD		0.693	0.762	21.940
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	1240.000	100700.000
%RSD		0.000	0.365	1.710
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		86.175%	90.754%	0.254
%RSD		0.536	0.259	50.230
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		-0.037	0.060	-2.952
%RSD		832.100	45.170	17.580
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		27.120	1405.000	0.022
%RSD		0.272	0.487	18.460
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		0.719	0.258	2.420
%RSD		15.100	16.410	6.313
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		89.530%	0.468	0.147
%RSD		0.432	18.130	14.320
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		-0.039	226.800	0.035
%RSD		21.400	0.112	202.000
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.001	0.000
%RSD		0.000	131.500	0.000
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.002	92.238%	0.396
%RSD		348.000	1.200	2.976
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.047	61.960	0.000
%RSD		66.600	0.378	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		106.177%	0.133	0.120
%RSD		1.228	7.779	2.874
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.182	96.438%	
%RSD		3.184	0.830	

240-18209 -a-14-a, 12/10/2012 22:14:58 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		85.178%	0.010	7.670
%RSD		0.593	75.400	3.268
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		21040.000	14730.000	30.850
%RSD		0.961	1.523	10.150
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	± 2185.000	M 122900.000
%RSD		0.000	± 0.644	M 0.523
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		± 85.495%	89.377%	0.387
%RSD		± 0.885	1.586	34.830
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.126	0.138	-3.226
%RSD		151.600	14.300	11.430
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		1.844	-54.820	0.060
%RSD		0.979	2.380	10.420
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		0.944	1.041	7.291
%RSD		14.610	5.816	9.704
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		88.938%	0.232	0.173
%RSD		1.506	20.060	7.553
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.069	112.600	-0.296
%RSD		181.300	0.845	13.910
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	-0.000	-0.654
%RSD		0.000	1169.000	0.479
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.012	91.007%	0.279
%RSD		23.220	0.300	12.720
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.090	15.550	0.000
%RSD		12.590	0.223	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		106.123%	0.075	0.118
%RSD		0.768	7.745	8.515
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.014	96.301%	
%RSD		34.920	0.265	

CCV 11 12/10/2012 22:19:56 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		89.995%	98.915%	79.443%
%RSD		0.815	0.774	2.602
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		$\pm 102.392\%$	107.757%	105.306%
%RSD		± 0.693	0.769	1.754
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	$\pm 109.597\%$	99.451%
%RSD		0.000	± 0.506	0.294
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		$\pm 88.826\%$	94.877%	101.041%
%RSD		± 0.600	0.728	2.122
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		96.070%	98.238%	6.199
%RSD		0.952	0.681	21.240
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		$\pm 100.582\%$	$\pm 108.695\%$	95.838%
%RSD		± 0.302	± 0.751	0.616
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		98.154%	96.871%	102.622%
%RSD		0.799	0.286	0.709
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		92.830%	99.856%	-0.379
%RSD		0.926	0.615	22.560
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		100.895%	100.608%	105.980%
%RSD		2.187	0.525	0.472
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	105.729%	99.350
%RSD		0.000	0.371	98.570
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		108.073%	92.835%	107.796%
%RSD		1.260	0.669	0.496
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		109.468%	104.453%	0.000
%RSD		1.246	0.703	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		107.348%	107.761%	100.105%
%RSD		0.416	0.627	0.523
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		108.878%	94.475%	
%RSD		0.800	0.380	

CCB 11 12/10/2012 22:27:08 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		86.334%	0.150	-16.800
%RSD		0.215	3.413	1.150
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		72.810	64.190	5.611
%RSD		2.752	12.340	9.076
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	60.990	124.100
%RSD		0.000	0.054	9.592
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		187.593%	90.726%	0.337
%RSD		0.387	0.258	78.180
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.255	0.138	-3.596
%RSD		79.200	19.200	7.631
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		0.984	37.160	0.154
%RSD		1.604	4.794	15.640
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		0.240	0.164	0.485
%RSD		1.208	9.997	32.930
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		93.320%	0.038	-0.035
%RSD		0.894	227.500	85.810
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.105	0.370	0.155
%RSD		115.900	3.767	49.530
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.112	-0.086
%RSD		0.000	3.004	316.400
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.152	93.557%	0.162
%RSD		25.410	0.461	20.660
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.171	0.160	0.000
%RSD		16.950	48.590	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		106.580%	0.592	0.523
%RSD		0.701	5.824	6.701
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.287	103.214%	
%RSD		1.814	0.180	

240-18209 -a-15-a, 12/10/2012 22:32:15 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		86.261%	0.009	-3.314
%RSD		0.579	44.290	18.760
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		6917.000	25110.000	2.874
%RSD		0.502	0.680	22.520
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	14740.000	77400.000
%RSD		0.000	0.639	0.298
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		88.356%	91.260%	0.335
%RSD		0.427	0.893	42.650
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.261	3.825	-3.314
%RSD		54.130	2.112	4.009
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		41.790	36.290	0.496
%RSD		0.105	2.418	2.665
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		2.583	0.300	2.501
%RSD		0.209	5.673	7.204
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		91.487%	2.108	0.193
%RSD		0.602	8.283	12.830
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.459	249.100	3.731
%RSD		45.300	0.070	4.267
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.001	0.293
%RSD		0.000	118.100	173.200
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.003	92.649%	0.963
%RSD		393.600	0.252	4.880
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		2.543	36.690	0.000
%RSD		2.133	0.724	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		107.616%	1.921	0.324
%RSD		1.384	0.122	2.371
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.000	97.343%	
%RSD		2078.000	0.830	

240-18209 -a-16-a, 12/10/2012 22:37:24 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		86.552%	0.011	-4.203
%RSD		0.407	40.660	5.387
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		18730.000	25290.000	19.540
%RSD		0.326	1.506	13.670
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	± 2214.000	M 104300.000
%RSD		0.000	± 0.394	M 0.503
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		± 87.768%	90.311%	0.763
%RSD		± 0.231	0.297	49.700
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.019	0.235	-3.106
%RSD		1103.000	12.920	15.560
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		42.320	1306.000	0.092
%RSD		0.364	0.658	6.978
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		1.338	0.346	1.997
%RSD		5.176	36.300	3.875
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		90.600%	0.690	0.183
%RSD		1.405	21.020	6.405
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		-0.048	186.400	0.332
%RSD		117.900	0.831	8.911
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.001	-0.360
%RSD		0.000	198.800	407.400
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.007	91.379%	0.277
%RSD		39.910	1.231	18.380
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.051	53.630	0.000
%RSD		13.930	2.193	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		107.301%	0.223	0.206
%RSD		1.007	3.965	4.444
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.008	96.417%	
%RSD		66.400	0.572	

240-18209 -a-17-a, 12/10/2012 22:42:25 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		76.702%	0.268	86.290
%RSD		0.986	2.945	3.405
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		6344.000	41580.000	M 4929.000
%RSD		0.811	1.044	M 0.976
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	T 8067.000	TM 611100.000
%RSD		0.000	T 1.134	TM 0.284
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		T 81.016%	87.722%	65.980
%RSD		T 0.936	1.496	0.632
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		8.829	13.130	-3.490
%RSD		5.549	1.622	7.977
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		T 404.000	T 5938.000	2.840
%RSD		T 0.188	T 0.721	4.602
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		12.450	11.650	46.930
%RSD		3.576	1.433	1.624
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		83.462%	2.350	0.234
%RSD		1.405	7.274	22.940
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.399	M 360.600	0.746
%RSD		57.660	M 0.785	9.213
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.052	-0.384
%RSD		0.000	13.260	280.000
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.073	88.609%	1.113
%RSD		4.515	1.248	2.493
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.345	58.110	0.000
%RSD		1.134	0.966	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		104.979%	1.362	0.323
%RSD		2.033	2.739	1.586
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		6.071	86.706%	
%RSD		0.158	1.655	

240-18209 -a-18-a, 12/10/2012 22:47:25 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		84.825%	0.005	3.349
%RSD		0.602	11.730	16.500
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		12300.000	17220.000	6.602
%RSD		0.522	1.254	28.930
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	<u>± 2448.000</u>	<u>M 128000.000</u>
%RSD		0.000	<u>± 0.267</u>	<u>M 0.267</u>
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		<u>± 86.470%</u>	90.998%	0.337
%RSD		<u>± 0.570</u>	0.325	21.910
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.277	0.900	-3.652
%RSD		47.680	3.238	8.080
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		2.491	-75.710	0.443
%RSD		1.014	0.914	5.109
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		1.189	0.910	5.625
%RSD		11.630	1.955	6.105
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		89.772%	0.270	0.166
%RSD		0.607	39.040	25.300
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.194	103.100	-0.200
%RSD		34.910	0.574	26.280
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	-0.001	-0.359
%RSD		0.000	258.100	403.100
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.009	92.101%	0.145
%RSD		145.600	1.191	19.380
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.079	15.260	0.000
%RSD		11.380	1.644	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		107.857%	0.169	0.167
%RSD		1.087	7.558	2.382
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		-0.006	97.290%	
%RSD		34.110	0.657	

240-18209 -a-19-a, 12/10/2012 22:52:25 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		86.331%	0.013	-10.290
%RSD		0.115	11.050	3.339
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		1115.000	19870.000	65.020
%RSD		0.565	1.265	9.589
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	848.800	84510.000
%RSD		0.000	1.097	0.318
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		85.950%	90.102%	1.148
%RSD		0.268	1.464	48.230
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.003	0.145	-2.757
%RSD		7385.000	28.450	6.766
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		35.210	899.200	0.037
%RSD		0.533	1.205	36.460
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		0.432	0.420	3.047
%RSD		30.010	16.020	3.662
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		90.006%	0.722	0.186
%RSD		2.157	14.360	30.600
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		-0.050	102.000	0.196
%RSD		70.060	1.115	38.540
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	-0.001	0.291
%RSD		0.000	342.200	173.200
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		-0.001	92.584%	0.091
%RSD		399.000	0.901	33.000
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.017	32.870	0.000
%RSD		149.300	1.643	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		106.789%	0.086	0.125
%RSD		0.947	6.825	1.762
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.083	99.045%	
%RSD		12.620	0.310	

CCV 12 12/10/2012 22:57:34 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		89.815%	99.920%	80.001%
%RSD		0.284	0.158	1.439
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		<u>102.520%</u>	107.455%	103.460%
%RSD		<u>0.333</u>	0.653	0.616
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	<u>109.406%</u>	99.809%
%RSD		0.000	<u>0.646</u>	0.103
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		<u>188.928%</u>	94.959%	103.468%
%RSD		<u>0.189</u>	1.075	4.342
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		97.182%	98.374%	5.678
%RSD		0.535	0.801	11.460
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		<u>100.949%</u>	<u>108.408%</u>	96.889%
%RSD		<u>0.268</u>	<u>0.296</u>	0.716
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		98.352%	98.700%	102.254%
%RSD		1.010	1.392	1.445
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		93.024%	100.092%	-0.544
%RSD		0.316	0.896	17.280
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		101.919%	101.833%	104.804%
%RSD		2.250	1.251	0.910
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	105.030%	96.840
%RSD		0.000	0.678	72.870
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		108.475%	94.202%	106.341%
%RSD		1.203	0.947	0.212
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		108.414%	103.938%	0.000
%RSD		0.567	0.680	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		107.806%	107.295%	100.072%
%RSD		1.197	0.587	0.379
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		108.491%	95.098%	
%RSD		0.100	0.534	

CCB 12 12/10/2012 23:04:46 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		87.334%	0.153	-16.030
%RSD		0.687	7.135	1.315
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		77.020	72.760	3.872
%RSD		1.976	1.396	23.300
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	65.640	140.800
%RSD		0.000	0.600	1.910
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		188.167%	91.429%	0.419
%RSD		0.714	0.628	46.490
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.076	0.165	-3.510
%RSD		215.400	6.368	7.529
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		1.028	40.150	0.162
%RSD		2.139	3.482	0.588
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		0.214	0.199	0.766
%RSD		13.400	21.540	13.350
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		93.518%	0.113	-0.033
%RSD		1.306	50.860	182.700
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.109	0.392	0.102
%RSD		93.740	2.969	127.500
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.118	2.843
%RSD		0.000	3.868	92.030
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.155	94.649%	0.208
%RSD		5.787	0.510	19.940
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.166	0.181	0.000
%RSD		14.890	23.800	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		106.844%	0.604	0.538
%RSD		0.457	10.130	7.309
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.301	104.619%	
%RSD		3.149	0.635	

MB 240-67107/1-A, 12/10/2012 23:09:48 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		90.972%	0.002	-16.520
%RSD		0.711	32.460	2.455
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		62.830	55.020	4.243
%RSD		2.504	4.781	39.120
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	44.800	313.200
%RSD		0.000	0.164	2.014
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		91.602%	94.551%	0.202
%RSD		0.401	0.572	68.800
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.047	0.295	-3.848
%RSD		254.600	9.760	7.252
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		0.855	36.240	0.006
%RSD		1.334	3.312	125.300
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		0.257	0.749	6.491
%RSD		31.890	14.770	7.066
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		94.370%	0.029	0.171
%RSD		0.713	154.500	24.940
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		-0.005	0.357	-0.184
%RSD		1452.000	8.011	35.430
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.002	0.279
%RSD		0.000	60.110	173.200
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.006	97.138%	21.410
%RSD		82.740	0.490	0.873
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.059	1.183	0.000
%RSD		6.333	10.850	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		111.666%	0.286	0.395
%RSD		0.806	6.556	1.919
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.440	105.000%	
%RSD		1.749	0.509	

LCS 240 -67107/3-A, 12/10/2012 23:14:47 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		90.582%	M 854.400	67.750
%RSD		0.625	M 0.555	2.139
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		9277.000	10310.000	M 9478.000
%RSD		0.500	1.250	M 0.492
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	T 10340.000	9781.000
%RSD		0.000	T 0.117	0.820
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		T 90.986%	96.362%	93.170
%RSD		T 0.654	0.831	5.406
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		M 877.400	M 920.200	79.310
%RSD		M 0.361	M 0.424	2.959
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		T 951.300	T 10190.000	M 885.100
%RSD		T 0.127	T 0.814	M 0.644
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		M 901.600	M 913.100	M 849.700
%RSD		M 0.373	M 0.387	M 0.349
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		93.822%	M 819.400	-2.579
%RSD		1.265	M 0.535	7.524
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		M 758.300	M 915.500	95.320
%RSD		M 0.669	M 0.341	1.258
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	100.600	567.600
%RSD		0.000	0.336	7.423
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		M 937.000	96.714%	117.300
%RSD		M 0.202	0.510	0.736
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		94.310	M 965.400	0.000
%RSD		0.565	M 0.479	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		113.385%	94.860	TM 224.000
%RSD		0.685	0.444	TM 0.198
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		TM 983.500	101.150%	
%RSD		TM 0.343	0.427	

240-18134 -B-1-A@5, 12/10/2012 23:22:01 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		89.953%	2.013	-11.240
%RSD		0.089	1.190	2.195
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		119.200	5659.000	<u>M 15440.000</u>
%RSD		4.162	0.278	<u>M 0.687</u>
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	<u>T 1559.000</u>	10480.000
%RSD		0.000	<u>T 0.563</u>	0.090
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		<u>T 95.576%</u>	100.895%	177.700
%RSD		<u>T 0.265</u>	1.470	1.276
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		40.010	74.650	1.705
%RSD		1.099	0.966	31.210
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		<u>TM 2594.000</u>	<u>TM 102800.000</u>	19.870
%RSD		<u>TM 0.233</u>	<u>TM 0.466</u>	1.029
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		49.860	59.500	<u>M 280.900</u>
%RSD		0.995	0.347	<u>M 0.434</u>
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		101.357%	76.690	0.178
%RSD		0.609	1.438	52.420
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		4.241	27.000	6.461
%RSD		11.590	1.767	2.255
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.212	-7.731
%RSD		0.000	2.033	36.370
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		1.597	101.990%	3.755
%RSD		5.034	0.128	0.918
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		1.046	181.800	0.000
%RSD		1.481	0.749	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		121.235%	1.122	1.281
%RSD		1.597	1.123	3.612
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		105.800	108.355%	
%RSD		0.738	0.386	

240-18134 -B-2-A@5, 12/10/2012 23:29:15 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		93.341%	1.441	-11.660
%RSD		0.150	3.142	2.865
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		105.200	5031.000	<u>M 24650.000</u>
%RSD		2.397	3.566	<u>M 0.800</u>
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	<u>T 1777.000</u>	4133.000
%RSD		0.000	<u>T 0.284</u>	0.970
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		<u>T 96.242%</u>	102.633%	<u>M 214.400</u>
%RSD		<u>T 0.536</u>	0.608	<u>M 4.559</u>
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		48.940	29.540	-2.532
%RSD		0.926	0.540	6.661
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		<u>TM 1174.000</u>	<u>TM 66420.000</u>	18.210
%RSD		<u>TM 0.434</u>	<u>TM 0.994</u>	0.702
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		42.000	47.110	<u>M 246.300</u>
%RSD		0.470	0.269	<u>M 0.065</u>
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		102.060%	30.620	0.088
%RSD		0.858	1.774	56.470
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		3.191	22.140	6.923
%RSD		5.752	0.333	1.107
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.182	-7.868
%RSD		0.000	1.622	49.530
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.822	102.098%	5.335
%RSD		11.530	1.020	2.026
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.687	<u>M 255.900</u>	0.000
%RSD		7.847	<u>M 0.435</u>	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		119.041%	0.329	1.022
%RSD		1.022	3.929	1.129
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		<u>TM 260.000</u>	108.755%	
%RSD		<u>TM 0.284</u>	1.303	

240-18134 -B-3-A@10, 12/10/2012 23:34:15 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		89.645%	0.894	-10.330
%RSD		0.372	7.188	3.908
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		138.300	4764.000	M 11860.000
%RSD		2.147	0.905	M 0.229
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	T 925.800	9720.000
%RSD		0.000	T 0.141	0.438
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		T 92.645%	96.667%	179.700
%RSD		T 0.652	0.582	5.685
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		31.280	83.650	3.036
%RSD		0.498	0.662	37.250
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		TM 1267.000	T 43500.000	9.202
%RSD		TM 0.125	T 0.871	1.674
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		27.170	29.700	M 228.600
%RSD		1.212	0.455	M 0.891
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		96.706%	18.460	0.028
%RSD		1.336	2.259	74.350
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		1.749	25.030	6.891
%RSD		11.340	0.931	1.760
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.544	-0.437
%RSD		0.000	2.034	522.700
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.589	98.502%	2.920
%RSD		8.268	0.325	6.710
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.371	105.700	0.000
%RSD		4.787	0.786	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		114.012%	1.076	0.502
%RSD		0.493	2.082	2.932
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		73.710	108.450%	
%RSD		0.416	0.386	

240-18134 -B-4-A@20, 12/10/2012 23:39:23 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		76.144%	0.389	-3.939
%RSD		0.325	3.848	21.280
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		58.790	14560.000	M 9103.000
%RSD		5.003	1.822	M 0.367
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	401.800	46900.000
%RSD		0.000	0.438	0.339
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		T 78.620%	83.274%	M 491.700
%RSD		T 0.165	0.555	M 1.761
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		67.810	M 762.700	68.430
%RSD		2.110	M 0.322	3.294
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		TM 4196.000	T 48680.000	5.791
%RSD		TM 0.117	T 0.406	0.689
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		161.000	65.730	M 239.500
%RSD		0.511	1.157	M 0.223
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		85.634%	7.705	0.046
%RSD		1.415	4.385	92.130
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		2.840	39.190	34.950
%RSD		17.660	1.439	0.451
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.141	-0.453
%RSD		0.000	16.570	1894.000
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.832	89.291%	3.046
%RSD		7.277	0.829	2.332
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.757	60.330	0.000
%RSD		6.777	0.345	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		104.978%	14.600	0.251
%RSD		0.946	0.071	4.020
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		37.390	102.435%	
%RSD		0.126	0.853	

CCV 13 12/10/2012 23:44:22 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		83.156%	100.608%	80.032%
%RSD		0.617	0.778	0.836
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		<u>100.326%</u>	105.084%	101.694%
%RSD		<u>0.846</u>	1.476	3.034
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	<u>109.218%</u>	100.480%
%RSD		0.000	<u>0.499</u>	0.427
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		<u>184.574%</u>	91.171%	97.991%
%RSD		<u>0.413</u>	1.235	2.250
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		95.873%	97.828%	5.291
%RSD		1.786	0.912	38.120
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		<u>102.206%</u>	<u>107.647%</u>	95.194%
%RSD		<u>0.351</u>	<u>0.575</u>	0.812
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		97.080%	96.914%	102.588%
%RSD		1.119	0.989	2.592
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		90.493%	97.903%	-0.411
%RSD		0.938	0.559	32.150
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		99.840%	100.808%	105.570%
%RSD		2.737	0.945	0.989
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	104.698%	147.900
%RSD		0.000	0.679	57.170
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		108.872%	91.836%	107.604%
%RSD		0.705	0.592	1.000
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		109.077%	104.254%	0.000
%RSD		0.679	1.395	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		107.270%	108.195%	100.259%
%RSD		0.517	0.732	0.385
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		110.124%	95.177%	
%RSD		0.400	0.415	

CCB 13 12/10/2012 23:51:34 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		83.071%	0.182	-16.930
%RSD		0.316	3.147	0.958
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		80.730	73.780	5.990
%RSD		2.674	10.830	22.350
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	73.750	156.800
%RSD		0.000	1.966	2.290
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		83.946%	87.804%	0.522
%RSD		0.411	0.950	24.190
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.390	0.169	-5.052
%RSD		48.830	23.340	3.251
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		1.306	47.850	0.192
%RSD		2.261	8.603	6.492
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		0.270	0.194	0.565
%RSD		24.160	10.680	6.062
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		89.919%	0.055	-0.034
%RSD		0.663	141.500	98.940
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.189	0.365	0.264
%RSD		12.120	7.142	29.630
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.137	-1.835
%RSD		0.000	5.333	12.930
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.161	92.195%	0.201
%RSD		6.451	0.253	13.630
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.192	0.180	0.000
%RSD		10.290	4.054	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		105.973%	0.692	0.594
%RSD		1.123	9.064	6.150
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.325	104.627%	
%RSD		2.130	0.215	

mb 240-67776/1-a, 12/10/2012 23:56:35 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		84.403%	0.027	-17.780
%RSD		0.457	5.078	2.467
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		50.970	51.350	1.804
%RSD		2.857	13.020	93.120
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	29.480	208.800
%RSD		0.000	0.233	0.700
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		86.031%	88.714%	0.345
%RSD		0.274	0.449	43.520
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.075	0.276	-5.766
%RSD		167.200	9.488	2.427
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		1.496	26.940	0.029
%RSD		1.768	3.395	35.980
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		0.257	1.556	4.398
%RSD		22.750	6.363	7.935
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		90.108%	-0.151	0.187
%RSD		0.937	30.850	11.620
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		-0.059	0.393	-0.236
%RSD		61.520	12.750	18.710
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.009	-0.056
%RSD		0.000	41.300	997.800
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.047	93.794%	16.500
%RSD		41.270	0.758	1.902
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.046	2.798	0.000
%RSD		50.830	2.571	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		109.992%	0.270	0.407
%RSD		0.311	6.342	1.885
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.657	105.163%	
%RSD		1.423	0.334	

Ics 240-67776/3-a, 12/11/2012 00:01:53 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		84.958%	M 827.000	64.980
%RSD		0.943	M 0.604	2.219
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		8879.000	9811.000	M 9073.000
%RSD		0.774	1.135	M 0.467
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	T 9831.000	9377.000
%RSD		0.000	T 0.568	0.552
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		T 86.845%	91.527%	89.060
%RSD		T 0.428	1.042	3.304
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		M 838.400	M 881.200	77.280
%RSD		M 0.775	M 0.962	5.662
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		T 920.700	T 9742.000	M 846.000
%RSD		T 0.087	T 0.340	M 0.720
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		M 866.700	M 878.800	M 840.900
%RSD		M 0.587	M 0.794	M 0.486
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		90.129%	M 800.200	-2.863
%RSD		1.309	M 0.578	2.652
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		M 754.100	M 872.700	90.400
%RSD		M 1.131	M 0.647	0.365
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	97.570	679.900
%RSD		0.000	0.641	22.320
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		M 911.700	94.573%	105.700
%RSD		M 0.869	0.417	0.637
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		90.910	M 919.800	0.000
%RSD		0.693	M 0.736	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		111.638%	90.540	TM 214.200
%RSD		0.673	0.506	TM 0.283
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		TM 962.200	102.648%	
%RSD		TM 0.089	0.355	

240-18434 -b-22 -a, 12/11/2012 00:09:07 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		69.596%	4.912	63.590
%RSD		0.144	0.725	2.064
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		785.300	M 242400.000	M 54810.000
%RSD		1.000	M 0.359	M 1.046
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	T 7797.000	TM 580800.000
%RSD		0.000	T 0.369	TM 0.101
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		T 77.732%	88.253%	M 882.500
%RSD		T 0.521	1.787	M 0.896
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		141.900	87.560	2.245
%RSD		1.117	1.048	83.930
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		TM 4569.000	TM 155200.000	58.600
%RSD		TM 0.252	TM 0.334	0.207
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		116.800	M 490.200	M 984.700
%RSD		0.674	M 0.554	M 0.676
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		80.988%	89.930	0.544
%RSD		1.827	1.433	17.840
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		8.635	M 613.100	12.880
%RSD		8.259	M 0.252	0.743
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.499	-32.150
%RSD		0.000	5.137	41.860
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		2.969	89.648%	45.830
%RSD		9.754	1.301	0.550
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		122.200	M 685.700	0.000
%RSD		0.859	M 0.482	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		116.568%	3.788	2.707
%RSD		1.601	1.383	2.533
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		TM 1169.000	91.889%	
%RSD		TM 0.139	1.387	

SD 240-18434 -b-22 -a@5, 12/11/2012 00:14:10 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		80.638%	1.195	1.774
%RSD		0.406	6.138	27.520
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		176.300	54900.000	M 12030.000
%RSD		1.462	0.213	M 0.553
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	T 1619.000	M 123500.000
%RSD		0.000	T 0.925	M 0.094
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		T 82.803%	89.729%	181.800
%RSD		T 0.205	0.834	6.083
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		29.470	18.550	-4.028
%RSD		0.715	0.624	10.340
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		T 985.800	T 32450.000	12.590
%RSD		T 0.396	T 1.019	2.092
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		25.930	112.400	M 235.700
%RSD		1.477	0.575	M 1.315
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		89.016%	19.710	0.074
%RSD		0.742	0.510	79.320
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		1.995	117.700	2.210
%RSD		15.550	0.686	6.085
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.136	-11.000
%RSD		0.000	4.877	24.090
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.807	92.806%	9.854
%RSD		9.694	0.217	2.143
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		27.470	142.400	0.000
%RSD		1.713	1.294	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		111.538%	0.902	0.764
%RSD		0.786	1.340	1.317
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		T 281.400	99.073%	
%RSD		T 0.508	1.070	

240-18434 -b-22 -d ms, 12/11/2012 00:19:09 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		67.617%	M 785.800	139.700
%RSD		0.601	M 0.319	1.349
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		8703.000	M 319000.000	M 71090.000
%RSD		0.180	M 0.340	M 0.569
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	T 19650.000	TM 726000.000
%RSD		0.000	T 0.311	TM 0.253
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		T 78.306%	90.592%	M 1180.000
%RSD		T 1.018	2.029	M 0.643
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		M 972.100	M 930.300	81.470
%RSD		M 0.368	M 0.218	1.772
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		TM 5108.000	TM 157800.000	M 847.900
%RSD		TM 0.177	TM 0.786	M 0.419
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		M 868.800	M 1123.000	M 1545.000
%RSD		M 0.661	M 0.548	M 0.661
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		80.373%	M 893.500	-2.222
%RSD		0.924	M 1.199	15.880
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		M 788.600	M 1678.000	104.700
%RSD		M 1.836	M 0.916	1.337
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	82.780	512.700
%RSD		0.000	0.701	28.240
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		M 858.300	89.975%	123.800
%RSD		M 0.428	1.119	0.032
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		44.960	M 1576.000	0.000
%RSD		1.322	M 0.282	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		116.238%	67.360	TM 217.600
%RSD		1.504	0.342	TM 0.547
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		TM 1441.000	87.649%	
%RSD		TM 0.115	1.373	

240-18434 -b-22 -e msd, 12/11/2012 00:26:24 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		67.114%	M 825.200	112.400
%RSD		0.820	M 0.598	0.943
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		8510.000	M 182300.000	M 68140.000
%RSD		0.551	M 0.675	M 0.781
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	T 17230.000	TM 521700.000
%RSD		0.000	T 0.335	TM 0.066
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		T 77.272%	88.871%	M 856.000
%RSD		T 0.765	1.189	M 0.831
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		M 949.700	M 928.100	76.680
%RSD		M 0.530	M 0.187	4.660
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		TM 5411.000	TM 159400.000	M 857.600
%RSD		TM 0.053	TM 0.921	M 0.584
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		M 900.800	M 1200.000	M 1642.000
%RSD		M 0.089	M 0.741	M 0.637
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		81.974%	M 902.900	-2.218
%RSD		0.871	M 1.144	23.560
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		M 806.200	M 1578.000	102.300
%RSD		M 1.521	M 0.657	1.125
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	84.770	504.500
%RSD		0.000	0.135	30.370
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		M 879.700	90.449%	133.400
%RSD		M 0.137	1.152	0.247
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		42.850	M 1540.000	0.000
%RSD		0.518	M 0.425	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		118.483%	67.840	TM 210.700
%RSD		1.135	0.685	TM 0.342
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		TM 1631.000	93.310%	
%RSD		TM 0.414	0.947	

240-18434 -b-23 -a, 12/11/2012 00:33:38 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		65.436%	5.264	76.870
%RSD		0.666	3.072	1.492
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		906.400	M 163700.000	M 70690.000
%RSD		1.071	M 0.412	M 0.995
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	T 13500.000	TM 635800.000
%RSD		0.000	T 0.533	TM 0.477
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		T 76.390%	89.191%	M 674.400
%RSD		T 0.495	1.303	M 1.346
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		160.000	121.900	4.070
%RSD		0.344	0.230	26.800
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		TM 5803.000	TM 202600.000	67.680
%RSD		TM 0.334	TM 0.529	0.212
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		137.600	M 377.500	M 1105.000
%RSD		1.121	M 0.360	M 0.218
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		82.229%	62.890	0.602
%RSD		1.254	0.637	9.239
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		9.343	M 960.500	10.520
%RSD		6.447	M 0.639	2.856
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.398	-20.910
%RSD		0.000	3.374	16.040
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		2.867	91.710%	37.430
%RSD		3.930	1.283	0.791
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		10.040	M 1083.000	0.000
%RSD		4.314	M 0.412	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		121.824%	1.515	2.505
%RSD		1.266	3.032	2.110
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		TM 1024.000	93.464%	
%RSD		TM 0.234	1.192	

240-18434 -b-24 -a, 12/11/2012 00:40:52 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		70.690%	8.835	64.480
%RSD		0.998	1.427	2.017
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		670.300	68100.000	<u>M 141600.000</u>
%RSD		0.534	0.634	<u>M 0.504</u>
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	<u>T 21130.000</u>	<u>TM 144600.000</u>
%RSD		0.000	<u>T 0.380</u>	<u>TM 0.009</u>
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		<u>T 85.758%</u>	98.529%	<u>M 393.600</u>
%RSD		<u>T 0.625</u>	1.344	<u>M 1.231</u>
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		<u>M 227.700</u>	197.000	10.970
%RSD		<u>M 0.443</u>	0.307	9.429
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		<u>TM 7000.000</u>	<u>TM 340700.000</u>	132.100
%RSD		<u>TM 0.100</u>	<u>TM 0.357</u>	0.529
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		<u>M 258.800</u>	181.300	<u>M 654.800</u>
%RSD		<u>M 0.583</u>	0.646	<u>M 0.433</u>
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		90.636%	46.270	0.892
%RSD		1.362	1.374	11.730
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		10.680	<u>M 618.000</u>	3.060
%RSD		3.551	<u>M 0.491</u>	1.448
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.194	-39.020
%RSD		0.000	9.698	15.380
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.784	96.544%	11.000
%RSD		11.320	0.538	1.297
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		5.519	<u>M 697.300</u>	0.000
%RSD		0.721	<u>M 0.987</u>	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		137.864%	0.304	1.547
%RSD		1.552	2.725	0.723
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		134.600	103.249%	
%RSD		0.255	0.763	

240-18434 -b-25 -a, 12/11/2012 00:45:56 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		66.348%	6.465	69.750
%RSD		0.435	1.645	0.197
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		912.500	M 232300.000	M 48770.000
%RSD		1.058	M 0.387	M 0.349
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	T 8253.000	TM 447300.000
%RSD		0.000	T 0.324	TM 0.635
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		T 76.383%	85.903%	M 891.600
%RSD		T 0.621	0.787	M 1.616
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		128.700	85.860	1.677
%RSD		0.585	0.341	10.130
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		TM 2725.000	TM 165400.000	56.500
%RSD		TM 0.246	TM 0.488	1.027
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		123.000	M 883.800	M 454.200
%RSD		0.121	M 0.808	M 0.269
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		80.579%	91.940	0.399
%RSD		2.126	0.820	22.330
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		6.802	M 714.300	7.455
%RSD		6.260	M 0.514	3.111
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.349	-39.870
%RSD		0.000	1.919	16.380
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		1.242	89.749%	29.170
%RSD		5.680	1.297	1.393
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		17.870	M 829.200	0.000
%RSD		0.467	M 0.568	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		118.215%	4.840	1.826
%RSD		0.839	0.778	1.401
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		TM 1643.000	98.889%	
%RSD		TM 0.382	1.166	

240-18434 -b-26 -a, 12/11/2012 00:50:55 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		66.165%	9.997	43.020
%RSD		0.208	0.890	2.905
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		654.000	M 102600.000	M 38100.000
%RSD		0.551	M 0.751	M 0.980
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	T 6192.000	TM 247400.000
%RSD		0.000	T 0.729	TM 0.129
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		T 75.089%	85.065%	M 1449.000
%RSD		T 0.573	1.771	M 0.376
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		144.200	76.370	1.076
%RSD		0.195	0.372	74.220
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		TM 2849.000	TM 206800.000	61.050
%RSD		TM 0.062	TM 0.141	0.231
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		111.500	M 524.800	M 447.900
%RSD		0.486	M 0.446	M 0.903
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		83.057%	128.500	0.404
%RSD		1.399	1.291	12.360
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		14.570	M 539.400	16.750
%RSD		5.802	M 0.998	1.673
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.696	-23.780
%RSD		0.000	4.058	52.330
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		2.380	90.858%	58.320
%RSD		1.396	1.319	0.171
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		24.230	M 736.200	0.000
%RSD		2.008	M 0.485	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		119.619%	2.323	2.694
%RSD		0.872	1.241	0.771
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		TM 1895.000	108.874%	
%RSD		TM 0.332	1.338	

CCV 12/11/2012 00:56:02 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		76.162%	102.413%	82.366%
%RSD		0.669	0.484	2.160
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		±98.472%	103.038%	102.801%
%RSD		±0.305	0.933	0.360
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	±107.772%	98.089%
%RSD		0.000	±0.335	0.581
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		±81.407%	88.177%	101.762%
%RSD		±0.885	1.297	0.880
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		96.036%	97.528%	4.364
%RSD		0.967	0.596	9.948
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		±101.487%	±109.300%	95.187%
%RSD		±0.466	±0.251	0.455
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		94.470%	96.063%	102.924%
%RSD		0.949	0.724	1.013
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		88.187%	99.454%	-0.440
%RSD		1.082	0.367	31.800
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		100.288%	101.606%	104.178%
%RSD		1.927	0.697	1.072
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	104.247%	132.800
%RSD		0.000	0.244	51.290
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		107.870%	91.791%	107.525%
%RSD		0.387	0.169	0.850
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		109.337%	105.429%	0.000
%RSD		0.878	0.659	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		108.952%	106.404%	99.623%
%RSD		0.781	0.092	0.559
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		110.465%	97.678%	
%RSD		0.297	0.817	

CCB 12/11/2012 01:03:14 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		75.044%	0.197	-17.490
%RSD		0.770	7.819	0.844
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		74.460	84.410	4.833
%RSD		1.120	5.494	21.800
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	83.750	171.500
%RSD		0.000	2.705	6.432
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		79.868%	84.103%	0.546
%RSD		0.121	0.786	25.500
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.261	0.176	-5.358
%RSD		57.410	3.840	4.176
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		1.466	60.330	0.156
%RSD		2.338	3.768	2.721
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		0.263	0.206	0.585
%RSD		9.796	15.440	40.470
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		87.518%	0.171	-0.030
%RSD		0.321	76.490	160.800
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.141	0.439	0.096
%RSD		58.020	9.301	78.940
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.136	0.788
%RSD		0.000	8.989	178.600
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.208	91.379%	0.237
%RSD		28.010	0.419	9.649
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.288	0.260	0.000
%RSD		14.500	17.570	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		105.017%	0.624	0.524
%RSD		0.782	9.175	6.314
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.356	104.572%	
%RSD		3.515	0.786	

240-18434 -b-27 -a, 12/11/2012 01:08:14 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		71.047%	10.850	57.120
%RSD		0.682	0.760	0.973
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		636.000	55710.000	M 38180.000
%RSD		0.859	0.898	M 0.726
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	T 6426.000	TM 162300.000
%RSD		0.000	T 0.262	TM 0.083
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		T 77.539%	88.732%	M 1339.000
%RSD		T 0.764	2.355	M 0.918
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		120.000	138.700	9.312
%RSD		1.222	1.285	18.660
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		TM 3043.000	TM 186400.000	48.160
%RSD		TM 0.206	TM 0.591	0.950
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		119.200	M 539.300	M 369.700
%RSD		0.242	M 0.606	M 1.427
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		86.129%	123.400	0.223
%RSD		2.180	0.753	40.360
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		11.220	M 446.100	14.800
%RSD		10.880	M 0.359	3.087
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	1.389	-13.340
%RSD		0.000	3.951	104.800
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		1.663	91.290%	38.820
%RSD		1.866	1.250	0.537
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		18.810	M 747.400	0.000
%RSD		0.566	M 0.289	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		120.225%	3.190	2.096
%RSD		1.107	0.580	0.649
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		TM 2175.000	108.068%	
%RSD		TM 0.371	1.005	

240-18434 -b-28 -a, 12/11/2012 01:13:13 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		66.145%	4.571	45.510
%RSD		0.342	0.920	1.671
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		679.400	<u>M 168800.000</u>	<u>M 50810.000</u>
%RSD		0.332	<u>M 0.429</u>	<u>M 0.608</u>
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	<u>T 9914.000</u>	<u>TM 459400.000</u>
%RSD		0.000	<u>T 0.375</u>	<u>TM 0.387</u>
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		<u>T 75.356%</u>	84.108%	<u>M 541.200</u>
%RSD		<u>T 0.933</u>	1.394	<u>M 0.546</u>
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		116.600	84.920	1.615
%RSD		0.166	0.337	82.180
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		<u>TM 6428.000</u>	<u>TM 156800.000</u>	67.990
%RSD		<u>TM 0.218</u>	<u>TM 0.549</u>	1.335
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		110.000	<u>M 430.100</u>	<u>M 915.200</u>
%RSD		0.804	<u>M 0.698</u>	<u>M 1.027</u>
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		79.673%	60.570	0.402
%RSD		1.854	1.283	32.530
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		6.813	<u>M 562.200</u>	10.060
%RSD		8.451	<u>M 0.640</u>	2.845
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.391	-14.660
%RSD		0.000	0.786	98.490
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		2.747	87.882%	39.770
%RSD		2.472	1.266	1.485
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		7.155	<u>M 758.300</u>	0.000
%RSD		0.183	<u>M 0.350</u>	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		117.802%	1.077	1.729
%RSD		1.244	2.263	0.753
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		<u>TM 797.700</u>	91.902%	
%RSD		<u>TM 0.567</u>	1.016	

240-18434 -b-29 -a, 12/11/2012 01:18:14 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		60.188%	4.121	105.900
%RSD		0.801	3.484	2.656
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		1085.000	M 430100.000	M 57400.000
%RSD		0.471	M 0.449	M 0.871
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	T 13810.000	TM 868400.000
%RSD		0.000	T 0.261	TM 0.197
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		T 71.229%	80.727%	M 487.700
%RSD		T 0.594	1.743	M 2.229
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		147.100	113.600	3.167
%RSD		0.596	0.388	47.530
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		TM 4618.000	TM 320900.000	54.720
%RSD		TM 0.258	TM 0.326	1.196
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		108.000	M 548.900	M 1133.000
%RSD		0.819	M 1.220	M 1.118
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		74.627%	67.240	0.437
%RSD		2.249	1.454	10.280
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		5.294	M 662.300	7.612
%RSD		10.680	M 0.413	3.846
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.296	-9.896
%RSD		0.000	5.555	207.400
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		2.155	84.377%	26.330
%RSD		3.833	0.583	1.741
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		5.359	M 598.200	0.000
%RSD		4.125	M 0.593	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		108.592%	3.037	1.508
%RSD		0.794	0.590	1.451
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		TM 635.000	79.703%	
%RSD		TM 0.492	2.216	

240-18434 -b-30 -a, 12/11/2012 01:23:16 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		64.491%	5.067	99.400
%RSD		0.371	1.253	0.760
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		1350.000	M 431200.000	M 25070.000
%RSD		0.394	M 0.215	M 0.490
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	T 4136.000	TM 793600.000
%RSD		0.000	T 0.205	TM 0.355
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		T 74.395%	82.081%	M 1183.000
%RSD		T 0.391	0.690	M 1.161
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		91.290	63.410	-0.306
%RSD		0.718	0.384	168.300
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		TM 2110.000	TM 134100.000	29.620
%RSD		TM 0.428	TM 0.690	1.745
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		68.560	M 447.500	M 716.300
%RSD		0.520	M 0.705	M 0.888
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		74.490%	91.110	0.404
%RSD		1.284	0.788	34.660
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		6.795	M 631.600	8.470
%RSD		2.213	M 0.699	1.840
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.502	-27.580
%RSD		0.000	2.099	37.680
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		2.279	86.120%	51.760
%RSD		4.489	1.869	1.496
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		33.410	M 589.200	0.000
%RSD		1.141	M 0.168	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		110.017%	9.736	1.844
%RSD		1.385	0.502	0.703
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		TM 1541.000	86.596%	
%RSD		TM 0.416	0.918	

240-18434 -b-31 -a, 12/11/2012 01:28:17 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		66.035%	5.934	41.830
%RSD		0.163	1.424	1.497
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		739.100	M 145300.000	M 30010.000
%RSD		1.144	M 0.607	M 0.955
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	T 4720.000	TM 501900.000
%RSD		0.000	T 0.374	TM 0.275
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		T 75.124%	83.594%	M 1037.000
%RSD		T 0.395	1.107	M 1.900
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		106.300	58.190	-1.941
%RSD		0.570	0.387	15.750
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		TM 3456.000	TM 124200.000	38.040
%RSD		TM 0.012	TM 0.407	0.153
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		76.020	M 385.500	M 540.100
%RSD		0.536	M 0.523	M 1.052
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		77.867%	97.980	0.474
%RSD		0.562	0.590	23.630
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		7.253	M 744.200	11.000
%RSD		5.424	M 0.670	1.535
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.927	-23.680
%RSD		0.000	4.050	13.930
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		2.207	88.507%	34.450
%RSD		2.599	0.779	0.177
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		71.890	M 554.100	0.000
%RSD		0.150	M 0.772	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		114.734%	1.749	1.454
%RSD		0.763	2.140	0.380
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		TM 7246.000	122.154%	
%RSD		TM 0.259	0.713	

240-18434 -b-32 -a, 12/11/2012 01:33:18 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		65.978%	7.179	M 252.500
%RSD		0.195	0.304	M 0.963
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		1784.000	15980.000	M 43240.000
%RSD		0.576	0.860	M 0.449
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	T 5466.000	52480.000
%RSD		0.000	T 0.634	0.450
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		T 83.173%	108.178%	M 494.400
%RSD		T 0.463	0.666	M 0.889
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		133.300	M 296.700	20.300
%RSD		0.207	M 0.432	2.046
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		TM 8340.000	TM 1498000.000	96.970
%RSD		TM 0.283	TM 0.268	0.391
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		158.100	M 364.300	M 5502.000
%RSD		0.483	M 0.249	M 0.401
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		109.993%	154.100	0.263
%RSD		1.455	0.770	14.840
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		5.382	M 836.300	17.650
%RSD		5.460	M 0.364	1.658
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.468	-7.227
%RSD		0.000	0.466	133.200
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		15.570	110.038%	M 252.400
%RSD		0.842	0.737	M 0.353
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		61.720	M 2573.000	0.000
%RSD		0.504	M 0.406	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		126.191%	12.010	1.038
%RSD		1.098	0.474	1.212
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		TM 8956.000	121.795%	
%RSD		TM 0.322	0.514	

240-18434 -b-33 -a, 12/11/2012 01:38:19 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		59.552%	6.137	30.090
%RSD		0.836	1.681	1.430
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		297.700	18220.000	<u>M</u> 55990.000
%RSD		0.492	1.413	<u>M</u> 0.632
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	<u>T</u> 7397.000	55780.000
%RSD		0.000	<u>T</u> 0.330	0.188
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		<u>T</u> 78.253%	106.440%	<u>M</u> 623.800
%RSD		<u>T</u> 0.073	0.243	<u>M</u> 1.860
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		191.100	<u>M</u> 430.800	30.660
%RSD		0.950	<u>M</u> 0.644	9.635
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		<u>TM</u> 11480.000	<u>TM</u> 2026000.000	113.800
%RSD		<u>TM</u> 0.036	<u>TM</u> 0.648	0.520
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		184.200	<u>M</u> 394.500	<u>TM</u> 8773.000
%RSD		0.514	<u>M</u> 0.583	<u>TM</u> 0.265
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		109.395%	195.800	0.328
%RSD		0.382	0.756	34.650
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		7.427	<u>M</u> 266.900	23.020
%RSD		12.060	<u>M</u> 0.434	0.733
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.642	-9.161
%RSD		0.000	1.965	19.360
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		20.400	104.544%	<u>M</u> 418.500
%RSD		0.609	0.268	<u>M</u> 0.831
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		123.300	<u>M</u> 3551.000	0.000
%RSD		0.634	<u>M</u> 0.639	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		118.704%	12.200	1.462
%RSD		0.529	0.209	1.319
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		<u>TM</u> 12910.000	116.227%	
%RSD		<u>TM</u> 0.372	0.503	

240-18434 -b-34 -a, 12/11/2012 01:43:20 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		63.297%	5.800	11.430
%RSD		0.908	1.465	13.060
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		220.200	10680.000	<u>M 47240.000</u>
%RSD		1.634	1.165	<u>M 0.460</u>
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	<u>T 5093.000</u>	37260.000
%RSD		0.000	<u>T 0.994</u>	0.449
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		<u>T 79.182%</u>	98.170%	<u>M 459.000</u>
%RSD		<u>T 0.359</u>	0.569	<u>M 1.403</u>
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		<u>M 232.400</u>	<u>M 268.900</u>	18.200
%RSD		<u>M 0.473</u>	<u>M 0.269</u>	2.709
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		<u>TM 17330.000</u>	<u>TM 1397000.000</u>	120.500
%RSD		<u>TM 0.430</u>	<u>TM 0.813</u>	0.718
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		145.200	<u>M 489.100</u>	<u>TM 8467.000</u>
%RSD		1.388	<u>M 0.167</u>	<u>TM 1.911</u>
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		101.951%	<u>M 248.500</u>	0.389
%RSD		0.414	<u>M 0.823</u>	19.260
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		7.370	173.300	25.620
%RSD		7.480	0.761	0.523
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.500	19.910
%RSD		0.000	3.576	158.200
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		31.040	135.282%	<u>M 913.100</u>
%RSD		2.280	0.313	<u>M 0.659</u>
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		31.720	<u>M 1297.000</u>	0.000
%RSD		0.837	<u>M 0.427</u>	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		122.788%	10.970	1.695
%RSD		0.515	0.609	0.034
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		<u>TM 3335.000</u>	113.725%	
%RSD		<u>TM 0.358</u>	0.472	

240-18434 -b-35 -a, 12/11/2012 01:48:20 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		76.731%	6.873	26.900
%RSD		0.310	1.394	4.277
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		549.600	13290.000	M 83560.000
%RSD		0.489	1.258	M 0.423
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	T 5279.000	36830.000
%RSD		0.000	T 0.142	0.145
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		T 89.159%	101.833%	M 630.900
%RSD		T 0.883	1.169	M 2.767
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		148.200	195.900	12.440
%RSD		0.637	0.249	17.540
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		TM 2731.000	TM 517700.000	67.050
%RSD		TM 0.378	TM 0.058	0.425
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		134.100	M 451.000	M 6530.000
%RSD		1.185	M 0.705	M 0.318
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		100.909%	145.100	0.384
%RSD		0.975	0.652	25.770
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		8.232	M 324.000	18.020
%RSD		5.992	M 0.302	1.117
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	2.214	11.270
%RSD		0.000	2.125	225.600
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		27.370	104.971%	M 426.600
%RSD		0.630	1.341	M 1.051
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		13.180	M 3897.000	0.000
%RSD		2.861	M 0.112	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		130.082%	5.860	1.254
%RSD		1.040	0.815	1.611
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		TM 3555.000	123.601%	
%RSD		TM 0.645	0.364	

240-18434 -b-36 -a, 12/11/2012 01:53:32 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		73.656%	6.378	56.480
%RSD		0.468	1.782	1.724
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		566.600	15740.000	M 44890.000
%RSD		1.754	1.342	M 0.751
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	T 5109.000	78090.000
%RSD		0.000	T 0.502	0.107
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		T 83.322%	90.918%	M 602.100
%RSD		T 0.170	1.545	M 2.503
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		103.800	170.500	8.751
%RSD		2.153	0.775	8.290
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		TM 5064.000	TM 235300.000	55.120
%RSD		TM 0.292	TM 0.659	0.734
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		152.600	M 2261.000	M 7737.000
%RSD		1.307	M 0.624	M 0.732
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		89.585%	109.900	0.289
%RSD		1.378	0.802	19.540
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		9.293	M 526.300	17.610
%RSD		3.626	M 0.410	0.202
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	3.164	16.080
%RSD		0.000	2.915	75.590
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		28.550	96.218%	M 699.100
%RSD		0.300	0.462	M 0.530
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		34.670	M 2027.000	0.000
%RSD		1.645	M 0.580	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		122.282%	15.530	1.262
%RSD		0.927	0.267	0.535
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		TM 4307.000	121.585%	
%RSD		TM 0.182	0.608	

CCV 12/11/2012 01:58:32 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		61.778%	103.943%	82.827%
%RSD		1.286	0.567	1.548
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		±99.106%	104.965%	100.832%
%RSD		±0.755	1.713	2.251
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	±107.228%	98.518%
%RSD		0.000	±0.470	0.431
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		±66.308%	69.884%	99.501%
%RSD		±0.083	1.244	6.514
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		94.809%	97.067%	2.537
%RSD		1.759	0.633	70.000
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		±102.977%	±109.696%	93.240%
%RSD		±0.217	±0.347	0.655
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		93.080%	94.026%	103.329%
%RSD		0.123	1.748	2.554
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		71.529%	97.879%	-0.448
%RSD		0.984	1.133	21.840
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		100.377%	101.320%	104.713%
%RSD		2.623	1.029	2.393
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	103.207%	108.700
%RSD		0.000	1.395	40.470
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		108.637%	77.106%	109.337%
%RSD		1.473	0.680	0.943
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		111.222%	105.195%	0.000
%RSD		1.475	0.727	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		96.111%	107.028%	99.463%
%RSD		0.823	0.517	0.214
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		114.394%	88.026%	
%RSD		0.266	0.509	

CCB 12/11/2012 02:05:45 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		62.794%	0.224	-17.090
%RSD		0.402	1.283	1.522
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		83.840	106.000	7.480
%RSD		1.559	4.810	12.780
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	77.890	173.900
%RSD		0.000	0.248	2.926
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		168.679%	71.414%	0.428
%RSD		10.699	0.471	43.760
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.188	0.175	-5.959
%RSD		100.900	13.680	4.262
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		1.613	75.650	0.171
%RSD		1.943	3.398	6.458
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		0.258	0.310	0.869
%RSD		31.460	12.050	21.330
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		74.972%	0.084	-0.013
%RSD		0.346	5.328	412.700
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.193	0.394	0.148
%RSD		34.100	6.875	21.160
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.145	-2.769
%RSD		0.000	5.432	70.230
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.222	80.798%	0.404
%RSD		13.420	0.564	4.948
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.323	0.311	0.000
%RSD		3.896	13.680	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		96.253%	0.649	0.503
%RSD		0.813	11.580	7.545
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.522	97.773%	
%RSD		2.126	0.572	

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		44.813%	4.017	56.210
%RSD		0.669	3.702	0.824
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		929.500	92790.000	<u>M 29260.000</u>
%RSD		0.642	0.492	<u>M 0.477</u>
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	<u>T 3483.000</u>	<u>TM 849700.000</u>
%RSD		0.000	<u>T 0.416</u>	<u>TM 0.268</u>
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		<u>T 57.113%</u>	67.326%	<u>M 714.700</u>
%RSD		<u>T 1.066</u>	0.634	<u>M 1.893</u>
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		119.200	120.900	3.179
%RSD		0.285	0.602	43.090
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		<u>TM 8409.000</u>	<u>TM 794600.000</u>	68.410
%RSD		<u>TM 0.857</u>	<u>TM 0.808</u>	0.607
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		<u>M 217.100</u>	<u>M 1842.000</u>	<u>M 5843.000</u>
%RSD		<u>M 0.728</u>	<u>M 1.185</u>	<u>M 0.891</u>
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		64.629%	<u>M 460.000</u>	0.494
%RSD		1.022	<u>M 1.048</u>	28.820
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		6.022	<u>M 1309.000</u>	30.910
%RSD		3.521	<u>M 0.356</u>	1.907
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	2.455	1.152
%RSD		0.000	1.330	2377.000
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		28.070	74.894%	<u>M 1287.000</u>
%RSD		2.274	0.458	<u>M 0.950</u>
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		<u>M 527.800</u>	<u>M 962.100</u>	0.000
%RSD		<u>M 0.549</u>	<u>M 0.823</u>	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		99.795%	16.170	0.531
%RSD		0.683	0.736	2.172
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		<u>TM 45100.000</u>	194.775%	
%RSD		<u>TM 0.350</u>	0.555	

240-18434 -b-38 -a, 12/11/2012 02:15:46 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		50.649%	3.619	12.390
%RSD		0.484	1.610	5.044
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		640.900	94010.000	<u>M 21230.000</u>
%RSD		1.394	0.810	<u>M 0.199</u>
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	<u>T 2276.000</u>	<u>TM 511300.000</u>
%RSD		0.000	<u>T 0.111</u>	<u>TM 0.107</u>
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		<u>T 62.356%</u>	73.218%	<u>M 579.900</u>
%RSD		<u>T 0.724</u>	0.628	<u>M 0.835</u>
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		131.700	<u>M 309.500</u>	19.750
%RSD		0.416	<u>M 0.606</u>	7.666
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		<u>TM 5778.000</u>	<u>TM 707300.000</u>	75.320
%RSD		<u>TM 0.318</u>	<u>TM 0.845</u>	1.134
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		<u>M 276.800</u>	<u>M 1514.000</u>	<u>TM 11700.000</u>
%RSD		<u>M 0.873</u>	<u>M 0.777</u>	<u>TM 1.746</u>
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		72.214%	<u>M 331.000</u>	0.393
%RSD		0.234	<u>M 0.818</u>	1.877
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		4.268	<u>M 785.700</u>	27.170
%RSD		7.135	<u>M 0.851</u>	1.170
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.777	-10.940
%RSD		0.000	3.843	132.800
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		16.160	81.562%	<u>M 1501.000</u>
%RSD		2.632	0.454	<u>M 0.681</u>
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		<u>M 239.400</u>	<u>TM 10490.000</u>	0.000
%RSD		<u>M 0.619</u>	<u>TM 0.482</u>	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		106.425%	9.073	0.679
%RSD		0.930	0.691	1.263
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		<u>TM 21970.000</u>	132.623%	
%RSD		<u>TM 0.334</u>	0.825	

mb 240-67759/1-a, 12/11/2012 02:20:48 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		61.903%	0.055	-18.780
%RSD		0.590	9.735	0.713
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		39.880	46.800	1.456
%RSD		2.209	12.360	90.760
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	22.080	244.200
%RSD		0.000	0.698	1.968
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		168.787%	71.540%	1.122
%RSD		10.169	0.274	38.060
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.055	0.349	-7.071
%RSD		176.100	4.605	0.323
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		1.570	154.400	0.040
%RSD		2.893	12.640	10.070
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		0.344	0.783	5.065
%RSD		11.990	8.338	4.883
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		74.724%	0.101	0.255
%RSD		0.282	70.690	20.760
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		-0.015	0.386	-0.003
%RSD		686.600	7.673	3034.000
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.006	1.180
%RSD		0.000	69.250	96.280
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.032	82.673%	17.850
%RSD		44.510	0.315	4.269
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		2.394	1.511	0.000
%RSD		11.510	3.009	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		100.819%	0.295	0.158
%RSD		0.685	21.170	2.000
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		3.809	100.223%	
%RSD		11.300	0.224	

Ics 240-67759/3-a, 12/11/2012 02:25:50 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		64.230%	M 927.700	65.760
%RSD		0.504	M 0.558	1.125
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		8788.000	9887.000	M 9033.000
%RSD		0.494	0.386	M 0.078
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	T 9840.000	9384.000
%RSD		0.000	T 0.338	0.163
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		T 70.177%	74.789%	89.870
%RSD		T 0.286	0.911	3.676
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		M 841.600	M 890.500	80.600
%RSD		M 0.548	M 0.169	2.880
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		T 956.300	T 10080.000	M 856.200
%RSD		T 0.134	T 0.276	M 0.465
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		M 868.700	M 880.200	M 904.100
%RSD		M 0.248	M 0.582	M 0.689
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		77.108%	M 850.400	-2.999
%RSD		0.680	M 0.510	6.380
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		M 836.100	M 886.000	89.750
%RSD		M 0.273	M 0.521	0.603
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	98.990	625.600
%RSD		0.000	0.753	33.540
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		M 972.700	83.429%	113.500
%RSD		M 0.519	0.280	3.220
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		97.510	M 953.300	0.000
%RSD		0.653	M 0.861	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		102.728%	91.020	TM 214.000
%RSD		0.877	0.582	TM 0.463
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		TM 1021.000	98.182%	
%RSD		TM 0.127	0.896	

240-18434 -b-1-a, 12/11/2012 02:33:05 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		55.400%	2.400	55.060
%RSD		0.462	3.065	2.487
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		1020.000	<u>M 173100.000</u>	<u>M 37110.000</u>
%RSD		0.924	<u>M 1.112</u>	<u>M 0.369</u>
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	<u>T 7523.000</u>	<u>TM 1094000.000</u>
%RSD		0.000	<u>T 0.459</u>	<u>TM 0.085</u>
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		<u>T 66.454%</u>	70.723%	<u>M 555.500</u>
%RSD		<u>T 0.880</u>	0.793	<u>M 0.258</u>
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		85.950	59.510	-1.656
%RSD		0.578	1.124	37.300
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		<u>TM 4548.000</u>	<u>TM 110900.000</u>	38.490
%RSD		<u>TM 0.080</u>	<u>TM 0.718</u>	0.871
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		73.390	107.700	<u>M 357.100</u>
%RSD		1.785	1.654	<u>M 0.978</u>
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		66.846%	46.070	0.382
%RSD		1.456	1.110	9.281
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		5.355	<u>M 1782.000</u>	10.670
%RSD		10.570	<u>M 0.711</u>	0.399
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.179	-0.150
%RSD		0.000	6.010	1756.000
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		1.255	77.156%	12.350
%RSD		1.499	1.150	0.958
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		3.396	<u>M 360.500</u>	0.000
%RSD		4.528	<u>M 0.748</u>	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		99.768%	0.998	1.817
%RSD		1.489	8.865	2.074
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		<u>M 269.600</u>	78.338%	
%RSD		<u>M 0.426</u>	1.304	

SD 240-18434 -b-1-a@5, 12/11/2012 02:38:14 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		65.139%	0.565	-1.902
%RSD		0.621	3.773	57.790
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		226.900	39810.000	M 8295.000
%RSD		3.011	0.546	M 0.422
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	T 1570.000	TM 230800.000
%RSD		0.000	T 0.147	TM 0.111
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		T 69.785%	72.254%	118.700
%RSD		T 0.532	0.935	3.341
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		18.080	12.800	-4.223
%RSD		1.736	2.079	1.345
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		T 987.800	T 23610.000	8.267
%RSD		T 0.486	T 0.509	2.565
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		16.910	24.800	88.300
%RSD		1.867	1.352	1.360
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		73.055%	9.810	0.102
%RSD		0.408	1.635	54.310
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		1.202	M 349.200	1.787
%RSD		21.480	M 1.301	5.286
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.046	-2.810
%RSD		0.000	18.550	94.890
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.303	79.835%	2.806
%RSD		23.210	0.273	1.387
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		1.073	75.890	0.000
%RSD		7.912	0.074	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		98.815%	0.278	0.532
%RSD		0.833	7.940	3.077
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		64.130	89.302%	
%RSD		0.235	0.846	

240-18434 -b-1-d ms, 12/11/2012 02:43:15 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		55.506%	M 806.200	148.900
%RSD		0.608	M 0.523	1.429
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		8857.000	M 184600.000	M 64070.000
%RSD		0.918	M 0.384	M 0.792
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	T 21910.000	TM 804300.000
%RSD		0.000	T 0.597	TM 0.501
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		T 63.695%	68.993%	M 883.300
%RSD		T 0.857	1.668	M 1.900
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		M 943.400	M 924.600	77.830
%RSD		M 0.794	M 0.848	5.961
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		TM 5428.000	TM 135000.000	M 837.600
%RSD		TM 0.575	TM 0.345	M 0.825
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		M 847.500	M 878.300	M 1205.000
%RSD		M 0.691	M 0.511	M 1.004
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		64.527%	M 880.700	-2.701
%RSD		1.835	M 0.506	10.830
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		M 798.700	M 2364.000	104.600
%RSD		M 0.464	M 0.083	0.790
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	82.070	711.300
%RSD		0.000	0.402	10.430
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		M 860.400	76.036%	100.400
%RSD		M 0.343	0.936	0.951
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		38.030	M 1414.000	0.000
%RSD		1.613	M 0.481	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		100.777%	69.180	TM 224.000
%RSD		1.725	0.146	TM 0.406
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		TM 1188.000	79.201%	
%RSD		TM 0.466	1.212	

240-18434 -b-1-e msd, 12/11/2012 02:50:31 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		53.095%	M 809.400	126.500
%RSD		0.444	M 0.446	1.573
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		9247.000	M 221800.000	M 54070.000
%RSD		0.485	M 0.257	M 0.591
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	T 18630.000	TM 1053000.000
%RSD		0.000	T 0.524	TM 0.549
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		T 62.033%	66.833%	M 610.600
%RSD		T 1.125	1.908	M 1.966
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		M 921.900	M 911.000	78.720
%RSD		M 0.892	M 0.737	5.683
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		TM 5668.000	TM 117800.000	M 824.900
%RSD		TM 0.414	TM 0.149	M 0.566
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		M 826.800	M 844.000	M 1124.000
%RSD		M 0.324	M 0.580	M 0.328
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		62.480%	M 875.500	-2.056
%RSD		1.589	M 0.258	50.280
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		M 793.400	M 2216.000	103.500
%RSD		M 1.076	M 0.161	0.715
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	79.980	444.700
%RSD		0.000	0.591	42.930
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		M 844.900	74.642%	98.230
%RSD		M 0.123	1.054	0.444
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		35.700	M 1362.000	0.000
%RSD		0.266	M 0.314	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		98.035%	73.390	TM 225.300
%RSD		1.561	0.434	TM 0.200
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		TM 1154.000	76.173%	
%RSD		TM 0.160	1.356	

240-18434 -b-2-a, 12/11/2012 02:57:47 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		51.025%	2.394	32.790
%RSD		0.617	2.000	7.233
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		990.000	<u>M 212000.000</u>	<u>M 29710.000</u>
%RSD		1.074	<u>M 0.662</u>	<u>M 0.901</u>
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	<u>T 5849.000</u>	<u>TM 1587000.000</u>
%RSD		0.000	<u>T 0.646</u>	<u>TM 0.352</u>
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		<u>T 58.638%</u>	62.714%	<u>M 566.800</u>
%RSD		<u>T 0.618</u>	1.726	<u>M 1.347</u>
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		78.490	64.940	0.509
%RSD		1.284	1.228	182.000
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		<u>TM 5077.000</u>	<u>TM 111100.000</u>	38.110
%RSD		<u>TM 0.409</u>	<u>TM 0.290</u>	0.733
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		77.600	125.100	<u>M 425.800</u>
%RSD		1.222	0.572	<u>M 0.246</u>
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		56.846%	51.260	0.390
%RSD		0.948	0.828	12.660
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		5.045	<u>M 1864.000</u>	15.160
%RSD		21.230	<u>M 0.290</u>	1.531
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.208	-25.180
%RSD		0.000	3.501	67.970
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		1.881	70.174%	16.780
%RSD		9.929	1.275	0.714
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		4.953	<u>M 371.700</u>	0.000
%RSD		1.869	<u>M 1.034</u>	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		91.661%	4.821	2.320
%RSD		1.615	0.538	2.229
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		<u>TM 434.300</u>	69.139%	
%RSD		<u>TM 0.194</u>	1.772	

240-18434 -b-3-a, 12/11/2012 03:03:01 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		51.407%	4.922	84.570
%RSD		0.584	1.022	1.495
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		1656.000	<u>M 372000.000</u>	<u>M 42170.000</u>
%RSD		0.539	<u>M 0.629</u>	<u>M 0.357</u>
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	<u>T 6584.000</u>	<u>TM 1194000.000</u>
%RSD		0.000	<u>T 0.377</u>	<u>TM 0.227</u>
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		<u>T 59.433%</u>	64.430%	<u>M 947.400</u>
%RSD		<u>T 0.968</u>	0.835	<u>M 1.887</u>
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		88.890	86.670	1.681
%RSD		0.475	0.106	76.030
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		<u>TM 6420.000</u>	<u>TM 128200.000</u>	34.270
%RSD		<u>TM 0.158</u>	<u>TM 0.972</u>	0.127
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		80.720	187.600	<u>M 614.000</u>
%RSD		1.354	0.730	<u>M 1.092</u>
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		58.387%	74.740	0.400
%RSD		0.917	0.745	42.310
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		6.240	<u>M 1416.000</u>	15.760
%RSD		3.846	<u>M 0.796</u>	2.525
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.344	-15.060
%RSD		0.000	2.183	56.580
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		2.592	70.230%	30.160
%RSD		3.111	1.072	1.112
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		13.910	<u>M 622.400</u>	0.000
%RSD		1.091	<u>M 0.691</u>	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		95.397%	4.371	1.804
%RSD		1.194	1.053	0.761
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		<u>TM 960.700</u>	72.063%	
%RSD		<u>TM 0.585</u>	1.033	

CCV 12/11/2012 03:08:12 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		65.661%	104.190%	82.024%
%RSD		0.652	0.467	2.363
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		±99.997%	103.807%	102.229%
%RSD		±0.540	0.706	1.722
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	±105.238%	97.203%
%RSD		0.000	±0.732	0.258
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		±68.039%	70.552%	104.475%
%RSD		±0.317	0.650	3.508
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		96.211%	97.658%	4.672
%RSD		1.211	0.663	36.270
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		±101.870%	±109.592%	94.401%
%RSD		±0.346	±0.313	0.174
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		94.337%	94.514%	101.775%
%RSD		0.554	0.847	0.823
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		71.847%	98.601%	-0.422
%RSD		0.601	1.296	40.540
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		101.763%	103.152%	103.830%
%RSD		1.328	0.517	1.253
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	103.441%	22.510
%RSD		0.000	0.524	212.900
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		107.740%	77.210%	107.824%
%RSD		0.397	0.106	0.360
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		110.754%	106.915%	0.000
%RSD		0.471	1.045	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		94.643%	106.193%	99.180%
%RSD		0.778	0.736	0.668
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		114.242%	86.427%	
%RSD		0.304	0.957	

CCB 12/11/2012 03:15:26 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		62.710%	0.244	-18.410
%RSD		0.531	5.938	0.499
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		92.040	117.600	7.823
%RSD		3.981	5.584	13.450
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	84.040	209.900
%RSD		0.000	1.832	2.460
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		±67.535%	67.420%	0.622
%RSD		±0.605	0.587	68.720
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.310	0.228	-4.559
%RSD		27.000	6.037	2.588
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		1.851	84.670	0.226
%RSD		1.333	1.150	0.926
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		0.395	0.360	0.702
%RSD		12.470	22.290	14.180
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		71.670%	0.202	-0.006
%RSD		0.990	26.480	1221.000
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.244	0.493	0.225
%RSD		69.800	5.478	30.940
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.177	-1.098
%RSD		0.000	6.689	285.900
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.274	77.716%	0.291
%RSD		12.620	0.365	16.840
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.400	0.338	0.000
%RSD		6.041	22.620	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		91.678%	0.673	0.670
%RSD		0.566	7.811	3.428
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.620	93.373%	
%RSD		3.395	0.569	

240-18434 -b-4-a, 12/11/2012 03:20:27 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		48.912%	7.526	83.540
%RSD		0.599	1.458	0.959
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		2260.000	<u>M 346300.000</u>	<u>M 54350.000</u>
%RSD		0.475	<u>M 0.372</u>	<u>M 0.620</u>
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	<u>T 7535.000</u>	<u>TM 1414000.000</u>
%RSD		0.000	<u>T 0.150</u>	<u>TM 0.268</u>
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		<u>T 57.668%</u>	61.225%	<u>M 1400.000</u>
%RSD		<u>T 0.787</u>	1.020	<u>M 0.735</u>
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		88.260	91.250	3.579
%RSD		0.422	0.520	18.740
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		<u>TM 10890.000</u>	<u>TM 137100.000</u>	31.290
%RSD		<u>TM 0.083</u>	<u>TM 1.069</u>	1.309
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		82.950	181.400	<u>M 546.300</u>
%RSD		1.623	0.493	<u>M 0.577</u>
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		55.488%	77.410	0.372
%RSD		0.670	0.816	2.921
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		7.104	<u>M 2193.000</u>	11.840
%RSD		9.818	<u>M 1.330</u>	1.384
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.311	-42.180
%RSD		0.000	4.980	29.400
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		2.886	67.785%	34.030
%RSD		5.360	1.109	0.727
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		14.310	<u>M 782.400</u>	0.000
%RSD		1.595	<u>M 0.633</u>	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		90.786%	3.896	1.488
%RSD		1.718	1.848	0.343
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		<u>TM 942.200</u>	68.817%	
%RSD		<u>TM 0.504</u>	1.649	

240-18434 -b-5-a, 12/11/2012 03:25:33 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		54.073%	5.243	49.230
%RSD		0.523	1.876	3.542
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		949.000	M 208400.000	M 58070.000
%RSD		1.358	M 0.687	M 0.894
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	T 9352.000	TM 444500.000
%RSD		0.000	T 0.805	TM 0.344
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		T 60.109%	63.940%	M 679.500
%RSD		T 0.251	1.392	M 1.635
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		132.500	117.300	5.037
%RSD		0.761	0.623	34.380
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		TM 4810.000	TM 168400.000	52.970
%RSD		TM 0.205	TM 0.295	0.109
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		116.000	M 748.500	M 1474.000
%RSD		1.368	M 0.531	M 0.406
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		61.390%	104.200	0.524
%RSD		0.175	0.540	15.950
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		6.810	M 547.600	11.620
%RSD		14.790	M 0.568	0.928
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.890	-13.200
%RSD		0.000	7.023	42.190
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		4.552	71.894%	84.870
%RSD		6.018	0.518	0.848
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		49.560	M 871.100	0.000
%RSD		1.504	M 0.627	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		100.166%	2.045	1.811
%RSD		0.892	2.413	0.685
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		TM 1706.000	85.218%	
%RSD		TM 0.467	0.853	

240-18434 -b-6-a, 12/11/2012 03:30:35 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		52.482%	3.816	31.340
%RSD		0.306	3.032	5.272
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		777.600	M 237700.000	M 41390.000
%RSD		1.240	M 0.366	M 0.412
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	T 6692.000	TM 776000.000
%RSD		0.000	T 0.383	TM 0.228
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		T 59.647%	63.315%	M 518.700
%RSD		T 0.545	1.194	M 0.415
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		106.000	78.730	0.912
%RSD		0.674	0.791	152.300
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		TM 4338.000	TM 135000.000	43.720
%RSD		TM 0.110	TM 0.282	0.163
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		91.860	M 417.900	M 639.100
%RSD		0.689	M 0.516	M 0.603
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		60.114%	59.670	0.401
%RSD		1.666	1.876	24.870
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		5.022	M 828.700	10.240
%RSD		13.770	M 0.337	1.915
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.679	-4.563
%RSD		0.000	1.050	277.800
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		2.685	70.881%	45.280
%RSD		7.744	1.397	0.657
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		20.250	M 567.600	0.000
%RSD		1.816	M 0.472	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		97.222%	1.388	1.575
%RSD		1.444	1.839	0.964
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		TM 1015.000	78.220%	
%RSD		TM 0.174	1.582	

240-18434 -b-7-a, 12/11/2012 03:35:36 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		50.389%	2.605	79.600
%RSD		0.614	3.201	1.437
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		1520.000	<u>M 531700.000</u>	<u>M 28480.000</u>
%RSD		1.179	<u>M 0.797</u>	<u>M 0.352</u>
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	<u>T 5709.000</u>	<u>TM 1247000.000</u>
%RSD		0.000	<u>T 0.397</u>	<u>TM 0.267</u>
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		<u>T 58.973%</u>	61.375%	<u>M 497.200</u>
%RSD		<u>T 0.738</u>	0.444	<u>M 1.398</u>
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		76.850	52.550	-1.798
%RSD		0.436	0.301	34.760
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		<u>TM 3203.000</u>	<u>TM 106200.000</u>	28.910
%RSD		<u>TM 0.100</u>	<u>TM 0.508</u>	1.094
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		62.060	<u>M 222.000</u>	<u>M 358.000</u>
%RSD		0.464	<u>M 0.967</u>	<u>M 0.894</u>
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		54.724%	98.640	0.306
%RSD		1.571	1.568	38.300
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		2.498	<u>M 1302.000</u>	11.170
%RSD		14.620	<u>M 0.925</u>	2.755
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.565	-13.530
%RSD		0.000	3.474	31.210
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		1.125	66.874%	31.630
%RSD		12.300	1.367	0.976
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		11.990	<u>M 464.000</u>	0.000
%RSD		2.451	<u>M 0.820</u>	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		90.110%	1.084	1.370
%RSD		1.038	2.305	2.176
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		<u>TM 466.900</u>	68.078%	
%RSD		<u>TM 0.418</u>	1.217	

240-18434 -b-8-a, 12/11/2012 03:40:37 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		53.591%	12.680	98.830
%RSD		1.074	1.789	1.274
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		1685.000	M 101300.000	M 44100.000
%RSD		0.518	M 0.706	M 0.112
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	T 7490.000	TM 207800.000
%RSD		0.000	T 0.302	TM 0.332
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		T 59.269%	62.817%	M 1976.000
%RSD		T 0.430	1.237	M 0.922
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		161.300	85.940	3.285
%RSD		0.270	0.830	28.750
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		TM 2408.000	TM 137200.000	48.470
%RSD		TM 0.454	TM 0.220	0.681
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		104.100	M 777.700	M 784.400
%RSD		1.086	M 0.543	M 0.336
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		61.665%	99.910	0.339
%RSD		0.667	0.756	22.120
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		8.421	M 463.100	13.590
%RSD		9.627	M 0.456	0.727
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.529	-17.750
%RSD		0.000	3.282	72.710
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		2.055	71.295%	31.350
%RSD		4.268	0.852	0.271
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		152.100	M 1040.000	0.000
%RSD		0.569	M 0.157	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		99.208%	4.830	2.796
%RSD		1.093	1.168	0.730
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		TM 2371.000	89.396%	
%RSD		TM 0.350	0.840	

240-18434 -b-13 -a, 12/11/2012 03:45:39 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		51.051%	4.144	35.050
%RSD		0.709	3.745	3.233
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		645.600	M 143500.000	M 47320.000
%RSD		0.710	M 0.869	M 0.772
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	T 7277.000	TM 566100.000
%RSD		0.000	T 0.780	TM 0.620
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		T 57.708%	61.509%	M 708.400
%RSD		T 0.673	0.807	M 1.100
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		119.000	93.470	1.190
%RSD		0.515	0.316	96.400
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		TM 5223.000	TM 158800.000	54.400
%RSD		TM 0.423	TM 0.973	1.457
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		117.500	M 374.900	M 599.300
%RSD		0.943	M 0.662	M 0.860
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		60.165%	67.850	0.510
%RSD		1.197	1.080	20.230
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		5.849	M 872.200	10.150
%RSD		3.227	M 0.983	1.954
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.401	-9.118
%RSD		0.000	4.021	124.600
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		2.220	70.518%	36.550
%RSD		4.144	1.448	1.076
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		16.250	M 603.600	0.000
%RSD		1.204	M 0.361	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		96.800%	2.143	1.598
%RSD		1.078	1.487	0.553
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		TM 932.600	80.039%	
%RSD		TM 0.218	0.993	

240-18434 -b-14 -a, 12/11/2012 03:50:43 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		50.693%	4.514	54.510
%RSD		0.161	2.147	1.450
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		822.300	M 283700.000	M 45940.000
%RSD		1.581	M 1.413	M 1.361
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	T 7957.000	TM 682700.000
%RSD		0.000	T 0.143	TM 0.419
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		T 57.730%	61.157%	M 657.000
%RSD		T 0.420	1.262	M 2.844
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		123.900	86.520	2.411
%RSD		1.142	0.556	33.180
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		TM 4351.000	TM 145800.000	48.250
%RSD		TM 0.289	TM 1.395	0.597
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		99.770	M 407.600	M 627.500
%RSD		1.568	M 1.430	M 1.573
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		57.749%	70.830	0.459
%RSD		1.105	1.237	11.790
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		7.277	M 718.100	11.020
%RSD		10.040	M 1.072	1.809
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.485	-22.960
%RSD		0.000	3.096	41.470
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		2.275	69.032%	42.460
%RSD		0.911	0.747	0.765
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		17.070	M 664.200	0.000
%RSD		1.978	M 0.665	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		96.986%	1.863	1.612
%RSD		1.142	0.785	0.377
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		TM 1005.000	76.825%	
%RSD		TM 0.140	1.177	

240-18434 -b-15 -a, 12/11/2012 03:55:45 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		50.457%	4.195	57.740
%RSD		1.079	0.806	0.078
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		789.000	M 264000.000	M 41080.000
%RSD		1.204	M 0.820	M 0.454
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	T 6842.000	TM 611700.000
%RSD		0.000	T 0.125	TM 0.089
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		T 57.085%	59.889%	M 709.100
%RSD		T 0.444	1.229	M 0.880
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		111.300	72.840	-1.359
%RSD		0.766	0.470	73.570
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		TM 3540.000	TM 124500.000	37.620
%RSD		TM 0.108	TM 0.523	1.427
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		77.700	M 253.800	M 579.000
%RSD		0.181	M 0.172	M 0.777
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		58.388%	59.720	0.272
%RSD		1.452	0.576	45.390
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		5.985	M 616.900	7.625
%RSD		12.580	M 0.607	2.442
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.376	-13.310
%RSD		0.000	8.515	86.310
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		2.750	68.965%	25.660
%RSD		1.682	1.181	0.651
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		13.020	M 569.700	0.000
%RSD		0.231	M 0.506	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		94.264%	1.353	1.214
%RSD		1.751	0.327	1.057
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		TM 1123.000	78.899%	
%RSD		TM 0.476	1.367	

240-18434 -b-16 -a, 12/11/2012 04:00:46 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		46.027%	0.949	M 213.200
%RSD		0.510	5.063	M 0.361
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		2051.000	M 1096000.000	M 9502.000
%RSD		0.654	M 0.506	M 0.669
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	T 3186.000	TM 2013000.000
%RSD		0.000	T 0.641	TM 0.187
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		T 55.491%	57.593%	M 202.100
%RSD		T 0.547	1.498	M 4.707
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		40.200	57.170	-1.020
%RSD		0.540	1.444	65.000
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		TM 1428.000	TM 63600.000	7.516
%RSD		TM 0.064	TM 0.484	2.151
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		20.010	45.200	93.060
%RSD		2.342	0.564	1.386
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		49.529%	41.220	0.356
%RSD		1.786	1.726	34.300
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		1.399	M 945.900	2.625
%RSD		17.580	M 0.664	4.627
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.065	-4.875
%RSD		0.000	5.603	195.200
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.703	62.142%	12.020
%RSD		8.669	1.195	1.244
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		4.231	155.400	0.000
%RSD		5.339	0.414	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		80.664%	0.687	0.774
%RSD		1.486	1.327	2.942
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		198.400	56.817%	
%RSD		0.535	1.225	

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		43.631%	1.088	M 229.900
%RSD		0.371	3.611	M 1.302
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		2196.000	M 1171000.000	M 9909.000
%RSD		1.056	M 0.841	M 1.208
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	T 3354.000	TM 2141000.000
%RSD		0.000	T 0.525	TM 0.295
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		T 52.543%	55.189%	M 196.600
%RSD		T 0.443	1.794	M 2.415
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		37.180	56.920	-0.557
%RSD		1.191	1.018	214.700
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		TM 1415.000	TM 66350.000	8.080
%RSD		TM 0.236	TM 0.283	2.088
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		20.740	49.190	82.020
%RSD		3.236	1.256	2.149
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		47.436%	40.950	0.404
%RSD		1.091	1.816	29.400
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.903	M 996.200	2.872
%RSD		25.300	M 1.164	6.715
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.089	-12.510
%RSD		0.000	9.736	51.150
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.595	59.931%	10.110
%RSD		12.140	1.358	2.022
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		4.038	145.300	0.000
%RSD		3.511	0.311	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		77.858%	0.899	0.761
%RSD		1.179	3.055	0.719
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		M 239.800	54.974%	
%RSD		M 0.686	1.391	

CCV 12/11/2012 04:10:52 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		58.549%	106.414%	81.701%
%RSD		0.854	1.287	0.999
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		±95.396%	105.428%	108.002%
%RSD		±2.530	1.627	3.802
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	±104.050%	96.837%
%RSD		0.000	±0.192	0.412
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		±61.480%	61.764%	105.744%
%RSD		±0.586	1.433	1.176
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		95.015%	96.380%	5.429
%RSD		1.117	0.695	23.100
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		±100.793%	±108.693%	92.701%
%RSD		±0.046	±0.300	0.510
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		93.002%	91.959%	99.588%
%RSD		0.787	0.959	2.893
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		64.483%	96.788%	-0.540
%RSD		0.325	1.143	22.770
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		100.555%	103.728%	102.262%
%RSD		1.116	1.381	0.594
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	100.750%	23.660
%RSD		0.000	0.090	135.100
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		106.590%	69.854%	107.327%
%RSD		0.727	0.304	1.164
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		111.459%	107.539%	0.000
%RSD		1.451	0.774	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		85.495%	104.915%	98.479%
%RSD		1.218	0.258	0.425
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		114.493%	78.707%	
%RSD		0.566	0.291	

CCB 12/11/2012 04:18:06 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		57.254%	0.248	-18.100
%RSD		0.999	6.924	3.123
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		94.910	129.900	9.857
%RSD		2.919	5.221	19.460
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	97.230	303.400
%RSD		0.000	1.026	0.774
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		±61.909%	60.382%	0.506
%RSD		±0.266	0.118	78.070
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.366	0.254	-4.365
%RSD		43.310	8.737	2.014
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		2.043	88.220	0.210
%RSD		2.230	1.299	6.466
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		0.291	0.275	0.939
%RSD		39.230	13.560	15.680
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		64.091%	0.349	-0.042
%RSD		0.614	22.950	85.160
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.268	0.565	0.116
%RSD		140.200	5.336	33.670
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.176	1.504
%RSD		0.000	14.540	168.500
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.245	70.096%	0.304
%RSD		25.030	0.636	14.330
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.302	0.468	0.000
%RSD		15.730	9.897	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		83.469%	0.650	0.531
%RSD		0.404	7.160	2.723
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.648	84.001%	
%RSD		2.348	0.317	

240-18434 -b-18 -a, 12/11/2012 04:23:08 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		50.022%	2.334	27.570
%RSD		0.247	0.818	2.778
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		829.300	M 247200.000	M 32550.000
%RSD		1.219	M 1.033	M 1.316
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	T 4723.000	TM 634600.000
%RSD		0.000	T 0.461	TM 0.403
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		T 55.907%	56.614%	M 494.400
%RSD		T 0.512	1.467	M 2.400
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		109.700	68.190	1.255
%RSD		0.503	0.758	87.550
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		TM 3834.000	TM 91860.000	35.750
%RSD		TM 0.382	TM 0.367	0.093
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		86.860	M 255.900	M 429.200
%RSD		1.341	M 1.009	M 0.929
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		53.649%	57.550	0.348
%RSD		0.805	0.440	22.830
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		3.813	M 573.600	8.328
%RSD		19.290	M 0.766	2.582
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.319	-4.368
%RSD		0.000	4.049	124.000
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		1.590	64.276%	21.320
%RSD		1.721	0.560	2.476
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		22.600	M 422.500	0.000
%RSD		2.422	M 0.997	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		85.614%	2.835	1.378
%RSD		1.121	1.638	1.347
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		TM 709.800	62.669%	
%RSD		TM 0.421	1.328	

240-18434 -b-19 -a, 12/11/2012 04:28:10 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		47.306%	3.077	48.600
%RSD		1.173	4.045	2.613
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		1014.000	M 352600.000	M 38050.000
%RSD		0.407	M 0.508	M 0.437
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	T 5782.000	TM 958500.000
%RSD		0.000	T 0.305	TM 0.201
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		T 54.347%	55.298%	M 718.000
%RSD		T 0.881	0.987	M 1.703
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		116.600	81.750	1.521
%RSD		1.160	0.275	139.600
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		TM 3690.000	TM 120800.000	40.130
%RSD		TM 0.137	TM 0.293	0.505
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		89.130	M 370.400	M 560.600
%RSD		2.187	M 0.653	M 0.716
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		51.602%	61.280	0.378
%RSD		1.536	1.213	11.060
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		4.581	M 896.600	8.504
%RSD		20.130	M 0.494	1.734
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.368	-19.410
%RSD		0.000	9.204	53.600
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		1.713	62.799%	33.970
%RSD		9.344	1.348	0.667
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		12.810	M 538.800	0.000
%RSD		0.974	M 0.356	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		85.658%	2.240	1.313
%RSD		1.147	2.167	0.992
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		TM 898.900	67.934%	
%RSD		TM 0.134	1.139	

240-18434 -b-20 -a, 12/11/2012 04:33:12 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		46.897%	2.571	33.620
%RSD		0.623	3.986	3.266
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		974.000	M 280000.000	M 30500.000
%RSD		2.025	M 0.476	M 0.481
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	T 5539.000	TM 992300.000
%RSD		0.000	T 0.220	TM 0.089
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		T 53.772%	55.233%	M 526.600
%RSD		T 0.558	1.412	M 2.017
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		112.200	61.330	-0.150
%RSD		1.143	1.867	961.200
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		TM 3028.000	TM 89300.000	34.040
%RSD		TM 0.200	TM 0.528	2.322
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		87.670	M 308.200	M 436.000
%RSD		3.036	M 2.132	M 2.047
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		51.299%	45.330	0.476
%RSD		2.718	2.351	27.450
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		4.132	M 1005.000	10.090
%RSD		15.170	M 0.959	5.947
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.314	-7.754
%RSD		0.000	6.897	126.400
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		1.522	62.366%	26.490
%RSD		5.160	1.034	1.693
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		10.830	M 384.400	0.000
%RSD		2.119	M 0.774	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		85.628%	1.782	1.292
%RSD		1.589	1.027	2.405
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		TM 669.600	60.666%	
%RSD		TM 0.473	1.210	

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		47.663%	5.602	42.700
%RSD		0.266	2.966	0.779
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		811.800	M 265700.000	M 45570.000
%RSD		0.488	M 0.085	M 0.436
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	T 5748.000	TM 637400.000
%RSD		0.000	T 0.120	TM 0.382
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		T 54.427%	56.481%	M 720.100
%RSD		T 0.878	1.158	M 0.979
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		122.000	83.410	1.898
%RSD		1.171	0.988	50.270
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		TM 3615.000	TM 144600.000	53.550
%RSD		TM 0.237	TM 0.218	0.955
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		125.200	M 1450.000	M 1573.000
%RSD		1.118	M 0.961	M 1.045
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		52.789%	102.400	0.520
%RSD		1.345	1.165	31.890
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		5.701	M 764.700	11.330
%RSD		8.574	M 0.510	2.411
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.829	-14.990
%RSD		0.000	2.689	118.400
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		4.151	64.010%	M 202.300
%RSD		1.390	0.947	M 0.502
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		87.340	M 805.500	0.000
%RSD		0.899	M 0.309	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		87.982%	8.032	1.816
%RSD		1.616	0.912	1.150
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		TM 4026.000	81.993%	
%RSD		TM 0.611	0.387	

CCV 14 12/11/2012 04:43:15 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		54.967%	107.254%	78.371%
%RSD		0.157	0.381	0.453
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		92.293%	104.319%	106.638%
%RSD		0.452	0.510	2.958
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	104.031%	97.335%
%RSD		0.000	0.267	0.583
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		159.318%	59.018%	103.267%
%RSD		0.353	0.974	8.480
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		95.895%	96.016%	3.418
%RSD		0.558	0.554	27.560
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		100.753%	107.992%	92.937%
%RSD		0.219	0.131	0.517
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		92.816%	92.604%	99.805%
%RSD		1.080	0.934	1.489
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		60.918%	98.464%	-0.645
%RSD		0.322	0.442	25.470
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		103.777%	104.449%	102.963%
%RSD		1.948	1.074	0.847
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	101.114%	101.100
%RSD		0.000	0.529	69.290
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		107.788%	67.247%	108.225%
%RSD		0.663	0.484	0.123
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		111.237%	108.145%	0.000
%RSD		0.880	0.624	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		83.488%	105.148%	98.382%
%RSD		0.773	0.067	0.461
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		115.747%	76.646%	
%RSD		0.135	0.550	

CCB 14 12/11/2012 04:50:29 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
X		53.732%	0.284	-19.420
%RSD		0.844	4.132	1.886
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
X		104.700	175.500	10.470
%RSD		5.467	5.999	20.280
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
X		0.000	105.900	356.800
%RSD		0.000	1.583	3.028
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
X		158.896%	56.999%	0.468
%RSD		10.588	0.555	49.390
Run	Time	51V	52Cr	53Cr O
		ppb	ppb	ppb
X		0.354	0.241	-5.002
%RSD		47.020	11.630	4.500
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
X		2.330	98.240	0.256
%RSD		2.380	2.006	8.973
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
X		0.280	0.446	0.948
%RSD		14.070	14.660	4.243
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
X		61.365%	0.293	-0.055
%RSD		0.183	26.290	64.830
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
X		0.251	0.623	0.150
%RSD		22.060	7.861	35.820
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
X		0.000	0.207	0.615
%RSD		0.000	4.942	546.300
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
X		0.276	68.332%	0.334
%RSD		19.310	0.170	13.270
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
X		0.441	0.452	0.000
%RSD		10.180	29.080	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
X		81.651%	0.671	0.532
%RSD		0.393	10.000	4.478
Run	Time	208Pb	209Bi	
		ppb	ppb	
X		0.764	83.077%	
%RSD		1.403	0.193	

TestAmerica North Canton Hg Data Review Checklist

Run/Project Information:

Circle Methods used: 7470A / 245.1 : CORP-MT-0005 Rev 1 7471: CORP-MT-0007 Rev 1

Run Date: 11/27/12 Analyst: DSH Instrument: H1

Review Items

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Instrument calibrated per manufacturer's instructions and at SOP specified levels?	☒			☒
2. ICV/CCV analyzed at appropriate frequency and within control limits?	☒			☒
3. ICB/CCB analyzed at appropriate frequency and within +/- RL?	☒			☒
4. CRA run?	☒			☒
B. Sample Results				
1. Were samples with concentrations > high calibration standard diluted and reanalyzed?			☒	
2. All reported results bracketed by in control QC?	☒			☒
3. Sample analyses done within holding time?	☒			☒
C. Preparation/ Matrix QC				
1. LCS done per prep batch and within QC limits?	☒			☒
2. Method blank done per prep batch and < RL?	☒			☒
3. MS run at required frequency and within limits?	☒			☒
4. MSD or DU run at required frequency and RPD within SOP limits?	☒			☒
D. Other				
1. Are all nonconformances documented appropriately?			☒	
2. Current IDL/MDL data on file?	☒			☒
3. Calculations and Transcription checked for error?	☒			☒
4. All client/project specific requirements met?	☒			☒
5. Date of analysis verified as correct?	☒			☒

Level I Analyst: [Signature]
Level I Analyst: _____

Date/Time: 11/27/12 lines 1-69
Date/Time: _____

Comments: Batch # 66485

2nd Level Reviewer: [Signature]
2nd Level Reviewer: _____

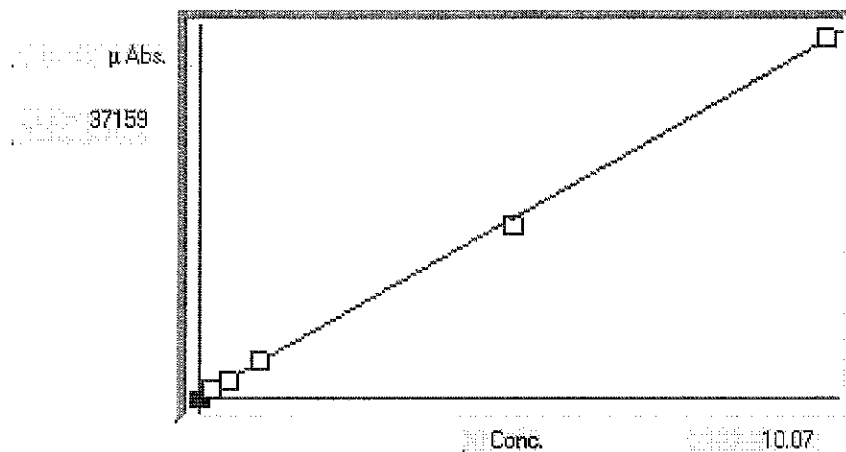
Date/Time: 11/27/12 10:16 - 13:54
Date/Time: _____

Curve Date 11/26/12

Curve Time 3:45p - 5:00p

DILUTION H2O 1/1A
Revised 06/1/2011

Protocol: 1127AHG1



☒ Calibrated

☒ Accepted

Slope A

Slope B 2.71234e-4

Slope C -9.42696e-3

Rhc .999798

Accepted Date: 27-Nov-12 10:29

S	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
01	.00000	-.0010	-.0010	31	0	31				
02	.20000	.2401	.0401	920	0%	920				
03	.50000	.5073	.0073	1905	0%	1905				
04	1.0000	1.040	.0397	3868	0%	3868				
05	5.0000	4.845	-.1554	17897	0%	17896				
06	10.000	10.07	.0694	37159	0%	37159				
07										
08										
09										
10										

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Standard: 1 Rep: 1				Seq: 1		10:16:33	27 Nov 12	HG
Hg	.0000	ppb	31					
*** Standard: 2 Rep: 1				Seq: 2		10:18:48	27 Nov 12	HG
Hg	.2000	ppb	920					
*** Standard: 3 Rep: 1				Seq: 3		10:21:05	27 Nov 12	HG
Hg	.5000	ppb	1905					
*** Standard: 4 Rep: 1				Seq: 4		10:23:21	27 Nov 12	HG
Hg	1.000	ppb	3868					
*** Standard: 5 Rep: 1				Seq: 5		10:25:36	27 Nov 12	HG
Hg	5.000	ppb	17896					
*** Standard: 6 Rep: 1				Seq: 6		10:28:00	27 Nov 12	HG
Hg	10.00	ppb	37159					
*** Check Standard: 2 Ck2ICV				Seq: 7		10:32:42	27 Nov 12	HG
Line Flag %Rcv. Found True Units SD/RSD								
Hg	94.99		2.375	2.500	ppb	.0000		
*** Check Standard: 3 Ck3ICB				Seq: 8		10:34:58	27 Nov 12	HG
Line Flag %Rcv. Found True Units SD/RSD								
Hg	^^^^^		-.0205	.0000	ppb	.0000		
*** Check Standard: 4 Ck4CRA\MRL				Seq: 9		10:37:13	27 Nov 12	HG
Line Flag %Rcv. Found True Units SD/RSD								
Hg	83.17		.1663	.2000	ppb	.0000		
*** Check Standard: 6 Ck6CCV				Seq: 10		11:33:50	27 Nov 12	HG
Line Flag %Rcv. Found True Units SD/RSD								
Hg	99.79		4.989	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB				Seq: 11		11:36:06	27 Nov 12	HG
Line Flag Found Range(+/-) Units SD/RSD								
Hg	-.0254		.2000		ppb	.0000		
*** Sample ID:				Seq: 12		11:38:30	27 Nov 12	HG
			MB 240-66226/1-B					
Hg	.0215	ppb	.0000	.0215				
*** Sample ID:				Seq: 13		11:40:54	27 Nov 12	HG
			LCS 240-66226/2-B					
Hg	5.056	ppb	.0000	5.056				
*** Sample ID:				Seq: 14		11:43:09	27 Nov 12	HG
			240-17175-F-2-B					
Hg	-.0162	ppb	.0000	-.0162				
*** Sample ID:				Seq: 15		11:45:24	27 Nov 12	HG
			240-17175-F-2-C MS					
Hg	.9757	ppb	.0000	.9757				
*** Sample ID:				Seq: 16		11:47:46	27 Nov 12	HG
			240-17175-F-2-D MSD					
Hg	.9673	ppb	.0000	.9673				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: Seq: 17 11:51:08 27 Nov 12 HG								
				240-17251-D-10-I				
Hg	0166	ppb	.0000	.0166				
*** Sample ID: Seq: 18 11:53:24 27 Nov 12 HG								
				240-17175-D-6-I				
Hg	-.0062	ppb	.0000	-.0062				
*** Sample ID: Seq: 19 11:55:58 27 Nov 12 HG								
				240-17251-E-12-I				
Hg	.0334	ppb	.0000	.0334				
*** Sample ID: Seq: 20 11:58:23 27 Nov 12 HG								
				240-17251-D-8-I				
Hg	.0109	ppb	.0000	.0109				
*** Sample ID: Seq: 21 12:00:47 27 Nov 12 HG								
				240-17175-D-8-I				
Hg	.0161	ppb	.0000	.0161				
*** Check Standard: 6 Ck6CCV Seq: 22 12:03:02 27 Nov 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		103.0	5.151	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB Seq: 23 12:05:25 27 Nov 12 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0159	.2000	ppb	.0000			
*** Sample ID: Seq: 24 12:07:40 27 Nov 12 HG								
				240-17251-D-7-I				
Hg	.0144	ppb	.0000	.0144				
*** Sample ID: Seq: 25 12:10:02 27 Nov 12 HG								
				240-17251-D-3-I				
Hg	-.0013	ppb	.0000	-.0013				
*** Sample ID: Seq: 26 12:12:18 27 Nov 12 HG								
				240-17175-D-3-I				
Hg	.0277	ppb	.0000	.0277				
*** Sample ID: Seq: 27 12:14:44 27 Nov 12 HG								
				240-17251-D-1-I				
Hg	.0397	ppb	.0000	.0397				
*** Sample ID: Seq: 28 12:17:07 27 Nov 12 HG								
				240-17251-E-13-I				
Hg	.0280	ppb	.0000	.0280				
*** Sample ID: Seq: 29 12:19:22 27 Nov 12 HG								
				240-17251-E-11-I				
Hg	.0546	ppb	.0000	.0546				
*** Sample ID: Seq: 30 12:21:38 27 Nov 12 HG								
				240-17251-D-9-I				
Hg	.0288	ppb	.0000	.0288				
*** Sample ID: Seq: 31 12:24:04 27 Nov 12 HG								
				240-17251-E-14-I				
Hg	.0285	ppb	.0000	.0285				
*** Sample ID: Seq: 32 12:26:20 27 Nov 12 HG								
				240-17175-F-1-B				
Hg	.0066	ppb	.0000	.0066				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: Seq: 33 12:28:35 27 Nov 12 HG								
				240-17175-D-7-I				
Hg	.0275	ppb	.0000	.0275				
*** Check Standard: 6 Ck6CCV Seq: 34 12:32:18 27 Nov 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		104.4	5.221	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB Seq: 35 12:34:51 27 Nov 12 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0265	.2000	ppb	.0000			
*** Sample ID: Seq: 36 12:37:06 27 Nov 12 HG								
				240-17175-D-4-I				
Hg	.0022	ppb	.0000	.0022				
*** Sample ID: Seq: 37 12:39:29 27 Nov 12 HG								
				240-17251-E-17-I				
Hg	.0307	ppb	.0000	.0307				
*** Sample ID: Seq: 38 12:41:44 27 Nov 12 HG								
				240-17251-E-2-B				
Hg	.0201	ppb	.0000	.0201				
*** Sample ID: Seq: 39 12:43:59 27 Nov 12 HG								
				240-17175-D-5-I				
Hg	.0120	ppb	.0000	.0120				
*** Sample ID: Seq: 40 12:47:01 27 Nov 12 HG								
				MB 240-64940/1-A				
Hg	.0017	ppb	.0000	.0017				
*** Sample ID: Seq: 41 12:49:16 27 Nov 12 HG								
				LCS 240-64940/2-A				
Hg	4.448	ppb	.0000	4.448				
*** Sample ID: Seq: 42 12:51:49 27 Nov 12 HG								
				240-17375-I-1-B				
Hg	.0071	ppb	.0000	.0071				
*** Sample ID: Seq: 43 12:54:04 27 Nov 12 HG								
				240-17375-I-1-C MS				
Hg	.9684	ppb	.0000	.9684				
*** Sample ID: Seq: 44 12:56:19 27 Nov 12 HG								
				240-17375-I-1-D MSD				
Hg	.9136	ppb	.0000	.9136				
*** Sample ID: Seq: 45 12:58:45 27 Nov 12 HG								
				240-17361-F-13-B				
Hg	.0231	ppb	.0000	.0231				
*** Check Standard: 6 Ck6CCV Seq: 46 13:01:00 27 Nov 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		103.8	5.191	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB Seq: 47 13:03:15 27 Nov 12 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0425	.2000	ppb	.0000			
*** Sample ID: Seq: 48 13:05:30 27 Nov 12 HG								
				240-17446-B-1-A				
Hg	.0375	ppb	.0000	.0375				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: Seq: 49 13:07:45 27 Nov 12 HG								
				240-17443-A-4-B				
Hg	.0212	ppb	.0000	.0212				
*** Sample ID: Seq: 50 13:10:12 27 Nov 12 HG								
				240-17443-A-1-B				
Hg	.0372	ppb	.0000	.0372				
*** Sample ID: Seq: 51 13:12:34 27 Nov 12 HG								
				240-17443-A-6-B				
Hg	.0277	ppb	.0000	.0277				
*** Sample ID: Seq: 52 13:14:51 27 Nov 12 HG								
				240-17361-F-14-B				
Hg	.0367	ppb	.0000	.0367				
*** Sample ID: Seq: 53 13:17:06 27 Nov 12 HG								
				240-17361-F-17-B				
Hg	.0310	ppb	.0000	.0310				
*** Sample ID: Seq: 54 13:19:22 27 Nov 12 HG								
				240-17399-J-1-A				
Hg	.1490	ppb	.0000	.1490				
*** Sample ID: Seq: 55 13:21:37 27 Nov 12 HG								
				240-17443-A-3-B				
Hg	-.0083	ppb	.0000	-.0083				
*** Sample ID: Seq: 56 13:23:52 27 Nov 12 HG								
				240-17412-G-1-B				
Hg	.0166	ppb	.0000	.0166				
*** Sample ID: Seq: 57 13:26:07 27 Nov 12 HG								
				240-17443-A-2-B				
Hg	.0353	ppb	.0000	.0353				
*** Check Standard: 6 Ck6CCV Seq: 58 13:28:30 27 Nov 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		102.8	5.142	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB Seq: 59 13:30:45 27 Nov 12 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0279	.2000	ppb	.0000			
*** Sample ID: Seq: 60 13:33:00 27 Nov 12 HG								
				240-17379-J-3-A				
Hg	.0104	ppb	.0000	.0104				
*** Sample ID: Seq: 61 13:35:41 27 Nov 12 HG								
				240-17379-J-1-A				
Hg	.0611	ppb	.0000	.0611				
*** Sample ID: Seq: 62 13:37:56 27 Nov 12 HG								
				240-17361-F-15-B				
Hg	.0039	ppb	.0000	.0039				
*** Sample ID: Seq: 63 13:40:27 27 Nov 12 HG								
				240-17416-G-1-B				
Hg	.0318	ppb	.0000	.0318				
*** Sample ID: Seq: 64 13:42:42 27 Nov 12 HG								
				240-17399-j-3-a				
Hg	.0709	ppb	.0000	.0709				

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: Seq: 65 13:45:18 27 Nov 12 HG								
				240-17483-c-1-a				
Hg	.0356	ppb	.0000	.0356				
*** Sample ID: Seq: 66 13:47:49 27 Nov 12 HG								
				240-17415-g-1-b				
Hg	.0256	ppb	.0000	.0256				
*** Sample ID: Seq: 67 13:50:04 27 Nov 12 HG								
				240-17361-f-16-b				
Hg	.0074	ppb	.0000	.0074				
*** Check Standard: 6 Ck6CCV Seq: 68 13:52:21 27 Nov 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		102.9	5.143	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB Seq: 69 13:54:36 27 Nov 12 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0387	.2000	ppb	.0000			

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID:				Seq: 86	15:05:34	27 Nov 12	HG	
				240-17703-D-4-A				
Hg	.0473	ppb	.0000	.0473				
*** Sample ID:				Seq: 87	15:08:30	27 Nov 12	HG	
				240-17774-F-2-B				
Hg	.0247	ppb	.0000	.0247				
*** Sample ID:				Seq: 88	15:10:45	27 Nov 12	HG	
				240-17773-H-8-A				
Hg	.0266	ppb	.0000	.0266				
*** Sample ID:				Seq: 89	15:13:00	27 Nov 12	HG	
				240-17703-D-3-A				
Hg	.0364	ppb	.0000	.0364				
*** Sample ID:				Seq: 90	15:15:15	27 Nov 12	HG	
				240-17773-H-3-A				
Hg	.0285	ppb	.0000	.0285				
*** Sample ID:				Seq: 91	15:17:56	27 Nov 12	HG	
				240-17703-D-2-A				
Hg	.0134	ppb	.0000	.0134				
*** Sample ID:				Seq: 92	15:20:13	27 Nov 12	HG	
				~~240-17773-H-8-A~~ 240-17773-A-6-A 11/28/12 0614				
Hg	.0090	ppb	.0000	.0090				
*** Sample ID:				Seq: 93	15:22:29	27 Nov 12	HG	
				240-17773-H-1-A				
Hg	.0272	ppb	.0000	.0272				
*** Check Standard: 6	Ck6CCV			Seq: 94	15:24:44	27 Nov 12	HG	
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		102.7	5.135	5.000	ppb	.0000		
*** Check Standard: 1	Ck1CCB			Seq: 95	15:27:13	27 Nov 12	HG	
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0037	.2000	ppb	.0000			
*** Sample ID:				Seq: 96	15:29:28	27 Nov 12	HG	
				240-17661-B-10-A				
Hg	.0104	ppb	.0000	.0104				
*** Sample ID:				Seq: 97	15:31:43	27 Nov 12	HG	
				240-17773-H-2-A				
Hg	.0172	ppb	.0000	.0172				
*** Sample ID:				Seq: 98	15:34:05	27 Nov 12	HG	
				240-17773-H-5-A				
Hg	.0131	ppb	.0000	.0131				
*** Sample ID:				Seq: 99	15:36:20	27 Nov 12	HG	
				240-17661-A-8-A				
Hg	.0210	ppb	.0000	.0210				
*** Sample ID:				Seq: 100	15:38:35	27 Nov 12	HG	
				240-17773-H-7-A				
Hg	.0185	ppb	.0000	.0185				
*** Sample ID:				Seq: 101	15:40:50	27 Nov 12	HG	
				~~240-17661-A-8-A~~ 240-17661-A-6-A 11/28/12 0614				
Hg	.0345	ppb	.0000	.0345				

TestAmerica North Canton Hg Data Review Checklist

Run/Project Information:

Circle Methods used: 7470A / 245.1:

7471:

Run Date: 11/30/12

Analyst: DSH

Instrument: H1

Review Items

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Instrument calibrated per manufacturer's instructions and at SOP specified levels?	✓			✓
2. ICV/CCV analyzed at appropriate frequency and within control limits?	✓			✓
3. ICB/CCB analyzed at appropriate frequency and within +/- RL?	✓			✓
4. CRA run?	✓			✓
B. Sample Results				
1. Were samples with concentrations > high calibration standard diluted and reanalyzed?	✓			✓
2. All reported results bracketed by in control QC?	✓			✓
3. Sample analyses done within holding time?	✓			✓
C. Preparation/ Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < RL?	✓			✓
3. MS run at required frequency and within limits?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately?			✓	✓
2. Current IDL/MDL data on file?	✓			✓
3. Calculations and Transcription checked for error?	✓			✓
4. All client/project specific requirements met?	✓			✓
5. Date of analysis verified as correct?	✓			✓

Level I

Analyst: [Signature]

Date/Time: 12/3/12

Reviewed from 13:25 to 17:26

Analyst: _____

Date/Time: _____

Reviewed from _____ to _____

Comments: Batch # 67078 DOD LCG

Level II

Reviewer: [Signature]

Date/Time: 12/3/2012

Reviewed from 13:25 to 17:26

Reviewer: _____

Date/Time: _____

Reviewed from _____ to _____

Comments: _____

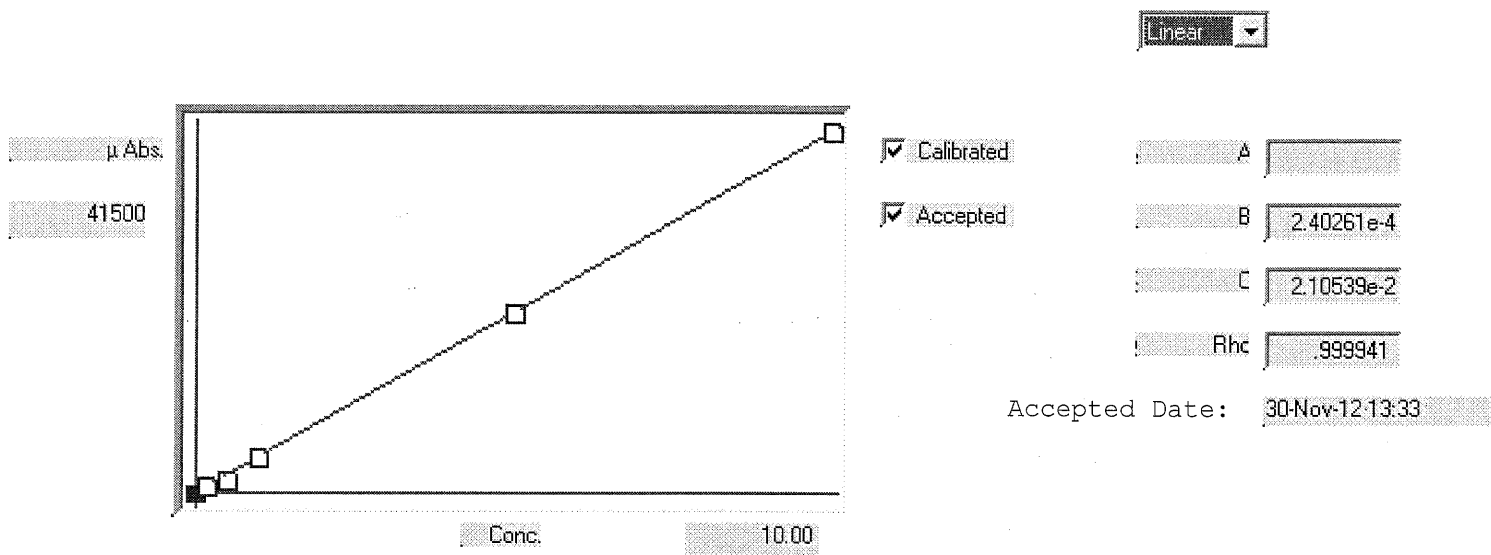
Curve Date 11/30/12

Curve Time 9:37 - 10:07A

DILUTION H2O 00012

Revised 11/29/2012

Protocol: 1130AHG1



S	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
01	.00000	.0309	.0309	42	0	41				
02	.20000	.2157	.0157	811	0%	810				
03	.50000	.4163	-.0837	1645	0%	1645				
04	1.0000	1.029	.0289	4196	0%	4195				
05	5.0000	5.016	.0163	20791	0%	20791				
06	10.000	9.992	-.0081	41500	0%	41500				
07										
08										
09										
10										

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Standard: 1 Rep: 1								
				Seq: 1		13:25:32	30 Nov 12	HG
Hg	.0000	ppb	41					
*** Standard: 2 Rep: 1								
				Seq: 2		13:27:01	30 Nov 12	HG
Hg	.2000	ppb	810					
*** Standard: 3 Rep: 1								
				Seq: 3		13:28:21	30 Nov 12	HG
Hg	.5000	ppb	1645					
*** Standard: 4 Rep: 1								
				Seq: 4		13:30:11	30 Nov 12	HG
Hg	1.000	ppb	4195					
*** Standard: 5 Rep: 1								
				Seq: 5		13:31:32	30 Nov 12	HG
Hg	5.000	ppb	20791					
*** Standard: 6 Rep: 1								
				Seq: 6		13:32:59	30 Nov 12	HG
Hg	10.00	ppb	41500					
*** Check Standard: 4 Ck4CRA\MRL								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		118.4	.2368	.2000	ppb	.0000		
*** Check Standard: 2 Ck2ICV								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		98.42	2.460	2.500	ppb	.0000		
*** Check Standard: 3 Ck3ICB								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		^^^^^	.0244	.0000	ppb	.0000		
*** Check Standard: 4 Ck4CRA\MRL								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		117.6	.2351	.2000	ppb	.0000		
*** Check Standard: 6 Ck6CCV								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		99.25	4.963	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		.0105	.2000	ppb	.0000			
*** Sample ID:								
				Seq: 13		14:20:57	30 Nov 12	HG
Hg	.0287	ppb	MB 240-66302/1-A		.0287			
*** Sample ID:								
				Seq: 14		14:22:12	30 Nov 12	HG
Hg	4.785	ppb	LCS 240-66302/2-A		4.785			
*** Sample ID:								
				Seq: 15		14:23:33	30 Nov 12	HG
Hg	.2125	ppb	240-16580-A-17-B		.2125			
*** Sample ID:								
				Seq: 16		14:24:50	30 Nov 12	HG
Hg	.2149	ppb	240-16945-A-6-B		.2149			

*Run out
of order
return below
12/3/12 DSH*

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: Seq: 17 14:26:05 30 Nov 12 HG								
				240-17467-L-2-D				
Hg	1.859	ppb	.0000	1.859				
*** Sample ID: Seq: 18 14:27:33 30 Nov 12 HG								
				240-17467-L-2-E DU				
Hg	1.923	ppb	.0000	1.923				
*** Sample ID: Seq: 19 14:28:50 30 Nov 12 HG								
				240-17467-L-2-F MS				
Hg	2.463	ppb	.0000	2.463				
*** Sample ID: Seq: 20 14:30:05 30 Nov 12 HG								
				240-17467-B-7-A@5				
Hg	4.990	ppb	.0000	4.990				
*** Sample ID: Seq: 21 14:31:34 30 Nov 12 HG								
				240-17768-E-20-C				
Hg	.2234	ppb	.0000	.2234				
*** Sample ID: Seq: 22 14:32:53 30 Nov 12 HG								
				240-17768-E-11-C				
Hg	.2101	ppb	.0000	.2101				
*** Check Standard: 6 Ck6CCV Seq: 23 14:34:10 30 Nov 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		100.7	5.035	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB Seq: 24 14:35:35 30 Nov 12 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		.0167	.2000	ppb	.0000			
*** Sample ID: Seq: 25 14:36:56 30 Nov 12 HG								
				240-17768-E-10-C				
Hg	.1433	ppb	.0000	.1433				
*** Sample ID: Seq: 26 14:38:12 30 Nov 12 HG								
				240-17768-E-12-C				
Hg	.1580	ppb	.0000	.1580				
*** Sample ID: Seq: 27 14:39:32 30 Nov 12 HG								
				240-17768-E-22-C				
Hg	.2029	ppb	.0000	.2029				
*** Sample ID: Seq: 28 14:40:58 30 Nov 12 HG								
				240-17768-E-19-C				
Hg	.2510	ppb	.0000	.2510				
*** Sample ID: Seq: 29 14:42:15 30 Nov 12 HG								
				240-17768-E-17-C				
Hg	.2140	ppb	.0000	.2140				
*** Sample ID: Seq: 30 14:43:42 30 Nov 12 HG								
				240-17768-E-15-C				
Hg	.1873	ppb	.0000	.1873				
*** Sample ID: Seq: 31 14:45:01 30 Nov 12 HG								
				240-17467-E-4-E				
Hg	3.917	ppb	.0000	3.917				
*** Sample ID: Seq: 32 14:46:17 30 Nov 12 HG								
				240-17669-B-8-D				
Hg	.0227	ppb	.0000	.0227				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: Seq: 33 14:47:53 30 Nov 12 HG								
					240-17768-E-15-C			
Hg	.1916	ppb	.0000	.1916				
*** Sample ID: Seq: 34 14:49:14 30 Nov 12 HG								
					240-17768-E-14-C			
Hg	.2419	ppb	.0000	.2419				
*** Check Standard: 6 Ck6CCV Seq: 35 14:50:40 30 Nov 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		100.7	5.035	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB Seq: 36 14:52:07 30 Nov 12 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		.0458	.2000	ppb	.0000			
*** Sample ID: Seq: 37 14:53:24 30 Nov 12 HG								
					240-17768-E-23-C			
Hg	.1383	ppb	.0000	.1383				
*** Sample ID: Seq: 38 14:54:51 30 Nov 12 HG								
					240-17768-E-9-C			
Hg	.2443	ppb	.0000	.2443				
*** Sample ID: Seq: 39 14:56:09 30 Nov 12 HG								
					240-17768-E-21-C			
Hg	.2056	ppb	.0000	.2056				
*** Sample ID: Seq: 40 14:57:26 30 Nov 12 HG								
					240-17768-E-13-C			
Hg	.2709	ppb	.0000	.2709				
*** Sample ID: Seq: 41 14:58:42 30 Nov 12 HG								
					240-17768-E-18-C			
Hg	.2318	ppb	.0000	.2318				
*** Sample ID: Seq: 42 15:00:38 30 Nov 12 HG								
					MB 240-65780/1-A			
Hg	.0474	ppb	.0000	-.0474				
*** Sample ID: Seq: 43 15:02:13 30 Nov 12 HG								
					LCS 240-65780/2-A			
Hg	4.236	ppb	.0000	4.236				
*** Sample ID: Seq: 44 15:03:42 30 Nov 12 HG								
					240-17525-A-1-O			
Hg	.1554	ppb	.0000	.1554				
*** Sample ID: Seq: 45 15:04:59 30 Nov 12 HG								
					240-17525-A-1-P DU			
Hg	.2849	ppb	.0000	.2849				
*** Sample ID: Seq: 46 15:06:25 30 Nov 12 HG								
					240-17525-A-1-Q MS			
Hg	1.152	ppb	.0000	1.152				
*** Check Standard: 6 Ck6CCV Seq: 47 15:07:41 30 Nov 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		100.7	5.036	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB Seq: 48 15:08:56 30 Nov 12 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		.0158	.2000	ppb	.0000			

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID:				Seq: 49		15:10:23	30 Nov 12	HG
				240-17525-A-6-F				
Hg	.2495	ppb	.0000	.2495				
*** Sample ID:				Seq: 50		15:11:42	30 Nov 12	HG
				240-17602-A-2-D				
Hg	.1318	ppb	.0000	.1318				
*** Sample ID:				Seq: 51		15:13:02	30 Nov 12	HG
				240-17525-A-5-O				
Hg	.2700	ppb	.0000	.2700				
*** Sample ID:				Seq: 52		15:14:18	30 Nov 12	HG
				240-17525-A-5-P DU				
Hg	.2123	ppb	.0000	.2123				
*** Sample ID:				Seq: 53		15:15:35	30 Nov 12	HG
				240-17525-A-5-Q MS				
Hg	1.079	ppb	.0000	1.079				
*** Sample ID:				Seq: 54		15:17:03	30 Nov 12	HG
				240-17602-A-5-D				
Hg	.1534	ppb	.0000	.1534				
*** Sample ID:				Seq: 55		15:18:20	30 Nov 12	HG
				240-17602-A-6-D				
Hg	.1686	ppb	.0000	.1686				
*** Sample ID:				Seq: 56		15:19:38	30 Nov 12	HG
				240-17602-A-10-D				
Hg	.0763	ppb	.0000	.0763				
*** Sample ID:				Seq: 57		15:20:55	30 Nov 12	HG
				240-17602-A-4-D				
Hg	.1390	ppb	.0000	.1390				
*** Sample ID:				Seq: 58		15:22:16	30 Nov 12	HG
				240-17525-A-2-I				
Hg	.6522	ppb	.0000	.6522				
*** Check Standard: 6 Ck6CCV				Seq: 59		15:23:38	30 Nov 12	HG
Line Flag %Rcv. Found True Units SD/RSD								
Hg	99.99	4.999	5.000	ppb	.0000			
*** Check Standard: 1 Ck1CCB				Seq: 60		15:24:54	30 Nov 12	HG
Line Flag Found Range(+/-) Units SD/RSD								
Hg	.0189	.2000	ppb	.0000				
*** Sample ID:				Seq: 61		15:26:10	30 Nov 12	HG
				240-17602-A-1-D				
Hg	.1902	ppb	.0000	.1902				
*** Sample ID:				Seq: 62		15:27:38	30 Nov 12	HG
				240-17602-A-8-D				
Hg	.1525	ppb	.0000	.1525				
*** Sample ID:				Seq: 63		15:29:08	30 Nov 12	HG
				240-17602-A-7-D				
Hg	.1527	ppb	.0000	.1527				
*** Sample ID:				Seq: 64		15:30:44	30 Nov 12	HG
				240-17525-A-3-D				
Hg	.2861	ppb	.0000	.2861				

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 6 Ck6CCV Seq: 65 15:32:01 30 Nov 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		100.7	5.034	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB Seq: 66 15:33:16 30 Nov 12 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		.0023	.2000	ppb	.0000			
*** Check Standard: 6 Ck6CCV Seq: 67 15:35:28 30 Nov 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		100.6	5.032	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB Seq: 68 15:36:46 30 Nov 12 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0152	.2000	ppb	.0000			
*** Sample ID: Seq: 69 15:38:12 30 Nov 12 HG								
			240-17525-A-4-D					
Hg	.7409	ppb	.0000	.7409				
*** Sample ID: Seq: 70 15:39:33 30 Nov 12 HG								
			240-17602-A-9-D					
Hg	.1176	ppb	.0000	.1176				
*** Sample ID: Seq: 71 15:40:48 30 Nov 12 HG								
			240-17602-A-3-D					
Hg	.1578	ppb	.0000	.1578				
*** Sample ID: Seq: 72 15:42:03 30 Nov 12 HG								
			MB 240-65940/1-A					
Hg	.0320	ppb	.0000	-.0320				
*** Sample ID: Seq: 73 15:43:20 30 Nov 12 HG								
			LCS 240-65940/2-A					
Hg	5.094	ppb	.0000	5.094				
*** Sample ID: Seq: 74 15:44:36 30 Nov 12 HG								
			240-17602-E-11-F					
Hg	.0223	ppb	.0000	.0223				
*** Sample ID: Seq: 75 15:46:12 30 Nov 12 HG								
			240-17602-E-11-G DU					
Hg	.1277	ppb	.0000	.1277				
*** Sample ID: Seq: 76 15:47:28 30 Nov 12 HG								
			240-17602-E-11-H MS					
Hg	.9698	ppb	.0000	.9698				
*** Sample ID: Seq: 77 15:48:48 30 Nov 12 HG								
			240-17602-E-20-C					
Hg	.0155	ppb	.0000	.0155				
*** Sample ID: Seq: 78 15:50:09 30 Nov 12 HG								
			240-17602-E-16-D					
Hg	.2159	ppb	.0000	.2159				
*** Check Standard: 6 Ck6CCV Seq: 79 15:51:49 30 Nov 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		100.2	5.008	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB Seq: 80 15:53:07 30 Nov 12 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		.0347	.2000	ppb	.0000			

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID:				Seq: 81		15:54:37	30 Nov 12	HG
				240-17602-E-12-D				
Hg	.1902	ppb	.0000	.1902				
*** Sample ID:				Seq: 82		15:55:54	30 Nov 12	HG
				240-17602-E-22-C				
Hg	.0295	ppb	.0000	.0295				
*** Sample ID:				Seq: 83		15:57:14	30 Nov 12	HG
				240-17602-E-21-C				
Hg	.1681	ppb	.0000	.1681				
*** Sample ID:				Seq: 84		15:58:30	30 Nov 12	HG
				240-17602-E-18-D				
Hg	.0172	ppb	.0000	.0172				
*** Sample ID:				Seq: 85		15:59:59	30 Nov 12	HG
				240-17669-B-3-D				
Hg	.1611	ppb	.0000	.1611				
*** Sample ID:				Seq: 86		16:01:24	30 Nov 12	HG
				240-17669-B-7-C				
Hg	.0235	ppb	.0000	.0235				
*** Sample ID:				Seq: 87		16:02:40	30 Nov 12	HG
				240-17602-E-17-D				
Hg	.1655	ppb	.0000	.1655				
*** Sample ID:				Seq: 88		16:04:00	30 Nov 12	HG
				240-17602-E-19-F				
Hg	.0391	ppb	.0000	.0391				
*** Sample ID:				Seq: 89		16:05:19	30 Nov 12	HG
				240-17669-B-6-D				
Hg	.2041	ppb	.0000	.2041				
*** Sample ID:				Seq: 90		16:06:40	30 Nov 12	HG
				240-17669-B-2-D				
Hg	.1304	ppb	.0000	.1304				
*** Check Standard: 6	Ck6CCV			Seq: 91		16:08:00	30 Nov 12	HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		99.51	4.975	5.000	ppb	.0000		
*** Check Standard: 1	Ck1CCB			Seq: 92		16:09:20	30 Nov 12	HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0116	.2000	ppb	.0000			
*** Sample ID:				Seq: 93		16:11:00	30 Nov 12	HG
				240-17602-E-14-D				
Hg	.1630	ppb	.0000	.1630				
*** Sample ID:				Seq: 94		16:12:19	30 Nov 12	HG
				240-17669-B-4-D				
Hg	.2137	ppb	.0000	.2137				
*** Sample ID:				Seq: 95		16:13:48	30 Nov 12	HG
				240-17602-E-13-D				
Hg	.1616	ppb	.0000	.1616				
*** Sample ID:				Seq: 96		16:15:23	30 Nov 12	HG
				240-17669-B-5-D				
Hg	.1866	ppb	.0000	.1866				

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 97		16:16:40	30 Nov 12	HG
				240-17669-B-1-D				
Hg	.1554	ppb	.0000	.1554				
*** Sample ID:				Seq: 98		16:17:58	30 Nov 12	HG
				MB 240-66416/1-A				
Hg	.0066	ppb	.0000	.0066				
*** Sample ID:				Seq: 99		16:19:14	30 Nov 12	HG
				LCS 240-66416/2-A				
Hg	4.608	ppb	.0000	4.608				
*** Sample ID:				Seq: 100		16:20:52	30 Nov 12	HG
				240-17796-E-1-F				
Hg	.1993	ppb	.0000	.1993				
*** Sample ID:				Seq: 101		16:22:11	30 Nov 12	HG
				240-17796-E-1-G DU				
Hg	.2339	ppb	.0000	.2339				
*** Sample ID:				Seq: 102		16:23:49	30 Nov 12	HG
				240-17796-E-1-H MS				
Hg	1.183	ppb	.0000	1.183				
*** Check Standard: 6	Ck6CCV			Seq: 103		16:25:16	30 Nov 12	HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		100.4	5.018	5.000	ppb	.0000		
*** Check Standard: 1	Ck1CCB			Seq: 104		16:26:43	30 Nov 12	HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		.0254	.2000	ppb	.0000			
*** Sample ID:				Seq: 105		16:28:00	30 Nov 12	HG
				240-17796-E-24-D				
Hg	.1755	ppb	.0000	.1755				
*** Sample ID:				Seq: 106		16:29:20	30 Nov 12	HG
				240-17796-B-10-E				
Hg	.2834	ppb	.0000	.2834				
*** Sample ID:				Seq: 107		16:30:52	30 Nov 12	HG
				240-17796-E-8-D				
Hg	.2306	ppb	.0000	.2306				
*** Sample ID:				Seq: 108		16:32:12	30 Nov 12	HG
				240-17796-B-15-E				
Hg	.0881	ppb	.0000	.0881				
*** Sample ID:				Seq: 109		16:33:33	30 Nov 12	HG
				240-17796-B-11-E				
Hg	.1027	ppb	.0000	.1027				
*** Sample ID:				Seq: 110		16:34:59	30 Nov 12	HG
				240-17796-B-12-E				
Hg	.1044	ppb	.0000	.1044				
*** Sample ID:				Seq: 111		16:36:18	30 Nov 12	HG
				240-17796-B-14-E				
Hg	.1366	ppb	.0000	.1366				
*** Sample ID:				Seq: 112		16:37:35	30 Nov 12	HG
				240-17796-E-4-D				
Hg	.1890	ppb	.0000	.1890				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: Seq: 113 16:39:04 30 Nov 12 HG								
				240-17796-E-23-D				
Hg	.1044	ppb	.0000	.1044				
*** Sample ID: Seq: 114 16:40:20 30 Nov 12 HG								
				240-17796-B-13-E				
Hg	.1373	ppb	.0000	.1373				
*** Check Standard: 6 Ck6CCV Seq: 115 16:41:37 30 Nov 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		99.99	4.999	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB Seq: 116 16:43:03 30 Nov 12 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		.0059	.2000	ppb	.0000			
*** Sample ID: Seq: 117 16:44:28 30 Nov 12 HG								
				240-17796-E-6-D				
Hg	.2623	ppb	.0000	.2623				
*** Sample ID: Seq: 118 16:45:49 30 Nov 12 HG								
				240-17796-B-16-G				
Hg	.1133	ppb	.0000	.1133				
*** Sample ID: Seq: 119 16:47:18 30 Nov 12 HG								
				240-17796-E-7-D				
Hg	.1568	ppb	.0000	.1568				
*** Sample ID: Seq: 120 16:48:47 30 Nov 12 HG								
				240-17796-E-5-D				
Hg	.1751	ppb	.0000	.1751				
*** Sample ID: Seq: 121 16:50:24 30 Nov 12 HG								
				240-17796-E-25-F				
Hg	.1417	ppb	.0000	.1417				
*** Sample ID: Seq: 122 16:51:52 30 Nov 12 HG								
				240-17796-B-2-D				
Hg	.2140	ppb	.0000	.2140				
*** Sample ID: Seq: 123 16:53:09 30 Nov 12 HG								
				240-17796-E-22-D				
Hg	.1599	ppb	.0000	.1599				
*** Sample ID: Seq: 124 16:54:29 30 Nov 12 HG								
				240-17796-B-9-E				
Hg	.1633	ppb	.0000	.1633				
*** Sample ID: Seq: 125 16:55:46 30 Nov 12 HG								
				240-17796-E-3-D				
Hg	.1688	ppb	.0000	.1688				
*** Sample ID: Seq: 126 16:57:06 30 Nov 12 HG								
				MB 240-66624/1-A				
Hg	.0420	ppb	.0000	.0420				
*** Check Standard: 6 Ck6CCV Seq: 127 16:58:47 30 Nov 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		98.81	4.940	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB Seq: 128 17:00:03 30 Nov 12 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0020	.2000	ppb	.0000			

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID:				Seq: 129	17:01:23	30 Nov 12	HG	
				LCS 240-66624/2-A				
Hg	4.252	ppb	.0000	4.252				
*** Sample ID:				Seq: 130	17:02:44	30 Nov 12	HG	
				240-17796-E-26-F				
Hg	.1193	ppb	.0000	.1193				
*** Sample ID:				Seq: 131	17:04:31	30 Nov 12	HG	
				240-17796-E-26-G DU				
Hg	.1474	ppb	.0000	.1474				
*** Sample ID:				Seq: 132	17:06:01	30 Nov 12	HG	
				240-17796-E-26-H MS				
Hg	.9871	ppb	.0000	.9871				
*** Sample ID:				Seq: 133	17:07:37	30 Nov 12	HG	
				240-17796-E-27-D				
Hg	.1662	ppb	.0000	.1662				
*** Sample ID:				Seq: 134	17:09:00	30 Nov 12	HG	
				240-17796-B-28-D				
Hg	.2685	ppb	.0000	.2685				
*** Sample ID:				Seq: 135	17:10:16	30 Nov 12	HG	
				240-17810-E-1-D				
Hg	.0951	ppb	.0000	.0951				
*** Sample ID:				Seq: 136	17:12:03	30 Nov 12	HG	
				240-17810-E-2-D				
Hg	.1580	ppb	.0000	.1580				
*** Sample ID:				Seq: 137	17:13:20	30 Nov 12	HG	
				240-17810-E-3-D				
Hg	.1582	ppb	.0000	.1582				
*** Sample ID:				Seq: 138	17:14:38	30 Nov 12	HG	
				240-17810-E-4-D				
Hg	.1215	ppb	.0000	.1215				
*** Check Standard: 6	Ck6CCV			Seq: 139	17:16:17	30 Nov 12	HG	
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		98.88	4.944	5.000	ppb	.0000		
*** Check Standard: 1	Ck1CCB			Seq: 140	17:17:33	30 Nov 12	HG	
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		.0028	.2000	ppb	.0000			
*** Sample ID:				Seq: 141	17:18:51	30 Nov 12	HG	
				240-17810-E-5-D				
Hg	.2140	ppb	.0000	.2140				
*** Sample ID:				Seq: 142	17:20:13	30 Nov 12	HG	
				240-17810-E-6-D				
Hg	.1570	ppb	.0000	.1570				
*** Sample ID:				Seq: 143	17:21:44	30 Nov 12	HG	
				240-17810-E-7-F				
Hg	.1438	ppb	.0000	.1438				
*** Sample ID:				Seq: 144	17:23:22	30 Nov 12	HG	
				CRA				
Hg	.2202	ppb	.0000	.2202				

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 6 Ck6CCV Seq: 145 17:24:53 30 Nov 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		98.51	4.925	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 146 17:26:31 30 Nov 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0215	.2000	ppb	.0000

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.: _____

Batch Number: 66568 Batch Start Date: 11/28/12 09:45 Batch Analyst: McGall, LisaBatch Method: 3005A Batch End Date: 11/28/12 18:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTHCL 00047	MTHNO3 00037	MTICFMS2 00009	MTICPMSA 00010
MB 240-66568/1		3005A, 6020/DOD		50 mL	50 mL	2.5 mL	1 mL		
LCS 240-66568/2		3005A, 6020/DOD		50 mL	50 mL	2.5 mL	1 mL	0.5 mL	0.5 mL
240-17796-A-20	076-0067-0001-ER	3005A, 6020/DOD	R	50 mL	50 mL	2.5 mL	1 mL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	MTICPMSB 00010					
MB 240-66568/1		3005A, 6020/DOD							
LCS 240-66568/2		3005A, 6020/DOD		0.5 mL					
240-17796-A-20	076-0067-0001-ER	3005A, 6020/DOD	R						

Batch Notes	
Filter Paper Lot Number	6326666
Pipette ID	383363
Digestion Tube/Cup Lot #	1205258

Basis	Basis Description
R	Total Recoverable

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.: _____

Batch Number: 66219 Batch Start Date: 11/26/12 15:25 Batch Analyst: Girard, SusanBatch Method: 7470A Batch End Date: 11/26/12 17:25

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTH2S04 00010	MTHGICVW 00435	MTHNO3 00037	MTK2S208RGNT 00029
MB 240-66219/1		7470A, 7470A/DOD		100 mL	100 mL	5 mL		2.5 mL	8 mL
LCS 240-66219/2		7470A, 7470A/DOD		100 mL	100 mL	5 mL	1 mL	2.5 mL	8 mL
240-17796-A-20	076-0067-0001-ER	7470A, 7470A/DOD	T	100 mL	100 mL	5 mL		2.5 mL	8 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	MTKMnO4Liq 00006					
MB 240-66219/1		7470A, 7470A/DOD		15 mL					
LCS 240-66219/2		7470A, 7470A/DOD		15 mL					
240-17796-A-20	076-0067-0001-ER	7470A, 7470A/DOD	T	15 mL					

Batch Notes	
Pipette ID	432085-383364
Digestion Tube/Cup Lot #	10-12-12

Basis	Basis Description
T	Total/NA

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.: _____

Batch Number: 66340 Batch Start Date: 11/26/12 15:00 Batch Analyst: Girard, Susan

Batch Method: 7470A Batch End Date: 11/26/12 17:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTH2S04 00010	MTHGCALW 00283	MTHGICVW 00435	MTHNO3 00037
ICV 240-66340/7		7470A, 7470A/DOD		100 mL	100 mL	5 mL		0.5 mL	2.5 mL
ICB 240-66340/8		7470A, 7470A/DOD		100 mL	100 mL	5 mL			2.5 mL
CRA 240-66340/9		7470A, 7470A/DOD		100 mL	100 mL	5 mL	0.2 mL		2.5 mL
CCVL 240-66340/10		7470A, 7470A/DOD		100 mL	100 mL	5 mL	5 mL		2.5 mL
CCV 240-66340/11		7470A, 7470A/DOD		100 mL	100 mL	5 mL	5 mL		2.5 mL
CCB 240-66340/12		7470A, 7470A/DOD		100 mL	100 mL	5 mL			2.5 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	MTK2S208RGNT 00029	MTKMnO4Liq 00006				
ICV 240-66340/7		7470A, 7470A/DOD		8 mL	15 mL				
ICB 240-66340/8		7470A, 7470A/DOD		8 mL	15 mL				
CRA 240-66340/9		7470A, 7470A/DOD		8 mL	15 mL				
CCVL 240-66340/10		7470A, 7470A/DOD		8 mL	15 mL				
CCV 240-66340/11		7470A, 7470A/DOD		8 mL	15 mL				
CCB 240-66340/12		7470A, 7470A/DOD		8 mL	15 mL				

Batch Notes	
Pipette ID	432085-383364-383363-383366
Digestion Tube/Cup Lot #	10-12-12

Basis	Basis Description

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.: _____

Batch Number: 66416 Batch Start Date: 11/27/12 14:25 Batch Analyst: Girard, Susan

Batch Method: 7471A Batch End Date: 11/27/12 14:55

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTAQUAREGIA 00398	MTHGICVW 00436	MTKMnO4Liq 00006	
MB 240-66416/1		7471A, 7471/DOD		0.60 g	100 mL	5 mL		15 mL	
LCS 240-66416/2		7471A, 7471/DOD		0.60 g	100 mL	5 mL	1 mL	15 mL	
240-17796-E-1-A	076SB-0023M-0001 -SO	7471A, 7471/DOD	T	0.61 g	100 mL	5 mL		15 mL	
240-17796-E-1-A DU	076SB-0023M-0001 -SO	7471A, 7471/DOD	T	0.61 g	100 mL	5 mL		15 mL	
240-17796-E-1-A MS	076SB-0023M-0001 -SO	7471A, 7471/DOD	T	0.61 g	100 mL	5 mL	0.2 mL	15 mL	
240-17796-B-2-A	076SS-0022M-0001 -SO	7471A, 7471/DOD	T	0.65 g	100 mL	5 mL		15 mL	
240-17796-E-3-A	076SB-0024M-0001 -SO	7471A, 7471/DOD	T	0.61 g	100 mL	5 mL		15 mL	
240-17796-E-4-A	076SB-0025M-0001 -SO	7471A, 7471/DOD	T	0.66 g	100 mL	5 mL		15 mL	
240-17796-E-5-A	076SB-0026M-0001 -SO	7471A, 7471/DOD	T	0.64 g	100 mL	5 mL		15 mL	
240-17796-E-6-A	076SB-0027M-0001 -SO	7471A, 7471/DOD	T	0.62 g	100 mL	5 mL		15 mL	
240-17796-E-7-A	076SB-0028M-0001 -SO	7471A, 7471/DOD	T	0.60 g	100 mL	5 mL		15 mL	
240-17796-E-8-A	076SB-0029M-0001 -SO	7471A, 7471/DOD	T	0.64 g	100 mL	5 mL		15 mL	
240-17796-B-9-A	076SB-0053M-0001 -SO	7471A, 7471/DOD	T	0.61 g	100 mL	5 mL		15 mL	
240-17796-B-10-A	076SS-0007M-0001 -SO	7471A, 7471/DOD	T	0.63 g	100 mL	5 mL		15 mL	
240-17796-B-11-A	076SB-0054M-0001 -SO	7471A, 7471/DOD	T	0.64 g	100 mL	5 mL		15 mL	
240-17796-B-12-A	076SB-0055M-0001 -SO	7471A, 7471/DOD	T	0.63 g	100 mL	5 mL		15 mL	
240-17796-B-13-A	076SB-0056M-0001 -SO	7471A, 7471/DOD	T	0.64 g	100 mL	5 mL		15 mL	
240-17796-B-14-A	076SB-0057M-0001 -SO	7471A, 7471/DOD	T	0.65 g	100 mL	5 mL		15 mL	
240-17796-B-15-A	076SB-0058M-0001 -SO	7471A, 7471/DOD	T	0.62 g	100 mL	5 mL		15 mL	
240-17796-B-16-A	076SB-0059M-0001 -SO	7471A, 7471/DOD	T	0.62 g	100 mL	5 mL		15 mL	
240-17796-E-22-A	076SB-0060M-0001 -SO	7471A, 7471/DOD	T	0.62 g	100 mL	5 mL		15 mL	
240-17796-E-23-A	076SB-0061M-0001 -SO	7471A, 7471/DOD	T	0.60 g	100 mL	5 mL		15 mL	

7471/DOD

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METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.: _____

Batch Number: 66416 Batch Start Date: 11/27/12 14:25 Batch Analyst: Girard, SusanBatch Method: 7471A Batch End Date: 11/27/12 14:55

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTAQUAREGIA 00398	MTHGICVW 00436	MTKMnO4Liq 00006	
240-17796-E-24-A	076SB-0062M-0001 -SO	7471A, 7471/DOD	T	0.62 g	100 mL	5 mL		15 mL	
240-17796-E-25-A	076SB-0063M-0001 -SO	7471A, 7471/DOD	T	0.60 g	100 mL	5 mL		15 mL	

Batch Notes	
Balance ID	b038
Pipette ID	432085-383364-383389
Digestion Tube/Cup Lot #	10-12-12

Basis	Basis Description
T	Total/NA

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.: _____

Batch Number: 66624 Batch Start Date: 11/28/12 14:55 Batch Analyst: Elshaw, DaleBatch Method: 7471A Batch End Date: 11/28/12 15:25

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTAQUAREGIA 00399	MTHGICVW 00437	MTKMnO4Liq 00006	
MB 240-66624/1		7471A, 7471/DOD		0.60 g	100 mL	5 mL		15 mL	
LCS 240-66624/2		7471A, 7471/DOD		0.60 g	100 mL	5 mL	1 mL	15 mL	
240-17796-E-26-A	076SB-0064M-0001 -SO	7471A, 7471/DOD	T	0.52 g	100 mL	5 mL		15 mL	
240-17796-E-26-A DU	076SB-0064M-0001 -SO	7471A, 7471/DOD	T	0.52 g	100 mL	5 mL		15 mL	
240-17796-E-26-A MS	076SB-0064M-0001 -SO	7471A, 7471/DOD	T	0.52 g	100 mL	5 mL	0.2 mL	15 mL	
240-17796-E-27-A	076SB-0065M-0001 -SO	7471A, 7471/DOD	T	0.61 g	100 mL	5 mL		15 mL	
240-17796-B-28-A	076SB-0066M-0001 -SO	7471A, 7471/DOD	T	0.62 g	100 mL	5 mL		15 mL	

Batch Notes	
Balance ID	b039
Pipette ID	432085-383364-383389
Digestion Tube/Cup Lot #	00053043

Basis	Basis Description
T	Total/NA

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.: _____

Batch Number: 66945 Batch Start Date: 11/30/12 09:37 Batch Analyst: Heakin, DavidBatch Method: 7471A Batch End Date: 11/30/12 10:07

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTAQUAREGIA 00401	MTHGCALW 00286	MTHGICVW 00439	MTKMnO4Liq 00006
ICV 240-66945/7		7471A, 7471/DOD		100 mL	100 mL	5 mL		0.5 mL	15 mL
ICB 240-66945/8		7471A, 7471/DOD		100 mL	100 mL	5 mL			15 mL
CRA 240-66945/9		7471A, 7471/DOD		100 mL	100 mL	5 mL	0.2 mL		15 mL
CCV 240-66945/10		7471A, 7471/DOD		100 mL	100 mL	5 mL	5 mL		15 mL
CCB 240-66945/11		7471A, 7471/DOD		100 mL	100 mL	5 mL			15 mL

Batch Notes	
Pipette ID	383364, 383366
Digestion Tube/Cup Lot #	00052865

Basis	Basis Description

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-17796-1
SDG No.: _____
Project: RVAAP - ECC

Client Sample ID	Lab Sample ID
076SB-0023M-0001-SO	240-17796-1
076SS-0022M-0001-SO	240-17796-2
076SB-0024M-0001-SO	240-17796-3
076SB-0025M-0001-SO	240-17796-4
076SB-0026M-0001-SO	240-17796-5
076SB-0027M-0001-SO	240-17796-6
076SB-0028M-0001-SO	240-17796-7
076SB-0029M-0001-SO	240-17796-8
076SB-0053M-0001-SO	240-17796-9
076SS-0007M-0001-SO	240-17796-10
076SB-0054M-0001-SO	240-17796-11
076SB-0055M-0001-SO	240-17796-12
076SB-0056M-0001-SO	240-17796-13
076SB-0057M-0001-SO	240-17796-14
076SB-0058M-0001-SO	240-17796-15
076SB-0059M-0001-SO	240-17796-16
076SB-0060M-0001-SO	240-17796-22
076SB-0061M-0001-SO	240-17796-23
076SB-0062M-0001-SO	240-17796-24
076SB-0063M-0001-SO	240-17796-25
076SB-0064M-0001-SO	240-17796-26
076SB-0065M-0001-SO	240-17796-27
076SB-0066M-0001-SO	240-17796-28
076SB-0044M-0001-SO	240-17796-29
076SB-0045M-0001-SO	240-17796-30
076SB-0046M-0001-SO	240-17796-31
076SB-0047M-0001-SO	240-17796-32
076SB-0048M-0001-SO	240-17796-33
076SB-0049M-0001-SO	240-17796-34
076SB-0050M-0001-SO	240-17796-35
076SB-0051M-0001-SO	240-17796-36

Comments:

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica West Sacramento

Job Number: 240-17796-1

SDG No.: _____

Project: RVAAP - ECC

Client Sample ID	Lab Sample ID
076SS-0022M-0001-SO	240-17796-2
076SB-0053M-0001-SO	240-17796-9
076SS-0007M-0001-SO	240-17796-10
076SB-0054M-0001-SO	240-17796-11
076SB-0055M-0001-SO	240-17796-12
076SB-0056M-0001-SO	240-17796-13
076SB-0057M-0001-SO	240-17796-14
076SB-0058M-0001-SO	240-17796-15
076SB-0059M-0001-SO	240-17796-16
076SW-0013-0001-SW	240-17796-17
076SW-0014-0001-SW	240-17796-18
076SW-0015-0001-SW	240-17796-19
076-0067-0001-ER	240-17796-20
076SB-0044M-0001-SO	240-17796-29
076SB-0045M-0001-SO	240-17796-30
076SB-0046M-0001-SO	240-17796-31
076SB-0047M-0001-SO	240-17796-32
076SB-0048M-0001-SO	240-17796-33
076SB-0049M-0001-SO	240-17796-34
076SB-0050M-0001-SO	240-17796-35
076SB-0051M-0001-SO	240-17796-36

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SS-0022M-0001-SO

Lab Sample ID: 240-17796-2

Lab Name: TestAmerica Canton

Job No.: 240-17796-1

SDG ID.:

Matrix: Solid

Date Sampled: 11/15/2012 12:25

Reporting Basis: WET

Date Received: 11/16/2012 18:42

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Cr (VI)	0.80	0.80	0.80	0.27	mg/Kg	U		1	7196A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SS-0022M-0001-SO Lab Sample ID: 240-17796-2
Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1
SDG ID.:
Matrix: Solid Date Sampled: 11/15/2012 12:25
Reporting Basis: WET Date Received: 11/16/2012 18:42

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Nitrocellulose	17	46	17	7.2	mg/Kg	U	J	1	WS-WC-0050

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SB-0053M-0001-SO Lab Sample ID: 240-17796-9
Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1
SDG ID.:
Matrix: Solid Date Sampled: 11/15/2012 15:55
Reporting Basis: WET Date Received: 11/16/2012 18:42

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Nitrocellulose	18	48	18	7.5	mg/Kg	U		1	WS-WC-00 50

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SS-0007M-0001-SO Lab Sample ID: 240-17796-10
Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1
SDG ID.:
Matrix: Solid Date Sampled: 11/15/2012 15:45
Reporting Basis: WET Date Received: 11/16/2012 18:42

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Nitrocellulose	16	44	16	6.9	mg/Kg	U		1	WS-WC-0050

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SB-0054M-0001-SO Lab Sample ID: 240-17796-11
Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1
SDG ID.:
Matrix: Solid Date Sampled: 11/15/2012 15:55
Reporting Basis: WET Date Received: 11/16/2012 18:42

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Nitrocellulose	17	46	17	7.2	mg/Kg	U		1	WS-WC-0050

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SB-0055M-0001-SO Lab Sample ID: 240-17796-12
Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1
SDG ID.:
Matrix: Solid Date Sampled: 11/15/2012 13:45
Reporting Basis: WET Date Received: 11/16/2012 18:42

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Nitrocellulose	17	46	17	7.2	mg/Kg	U		1	WS-WC-0050

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SB-0056M-0001-SO Lab Sample ID: 240-17796-13
Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1
SDG ID.:
Matrix: Solid Date Sampled: 11/15/2012 14:10
Reporting Basis: WET Date Received: 11/16/2012 18:42

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Nitrocellulose	18	50	18	7.7	mg/Kg	U		1	WS-WC-00 50

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SB-0057M-0001-SO Lab Sample ID: 240-17796-14
Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1
SDG ID.:
Matrix: Solid Date Sampled: 11/15/2012 14:40
Reporting Basis: WET Date Received: 11/16/2012 18:42

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Nitrocellulose	18	51	18	7.9	mg/Kg	U		1	WS-WC-0050

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SB-0058M-0001-SO Lab Sample ID: 240-17796-15
Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1
SDG ID.:
Matrix: Solid Date Sampled: 11/15/2012 15:30
Reporting Basis: WET Date Received: 11/16/2012 18:42

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Nitrocellulose	17	47	17	7.3	mg/Kg	U		1	WS-WC-0050

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SB-0059M-0001-SO Lab Sample ID: 240-17796-16
Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1
SDG ID.:
Matrix: Solid Date Sampled: 11/15/2012 16:00
Reporting Basis: WET Date Received: 11/16/2012 18:42

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Nitrocellulose	18	49	18	7.6	mg/Kg	U		1	WS-WC-0050

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SW-0013-0001-SW

Lab Sample ID: 240-17796-17

Lab Name: TestAmerica West Sacramento

Job No.: 240-17796-1

SDG ID.:

Matrix: Water

Date Sampled: 11/15/2012 14:00

Reporting Basis: WET

Date Received: 11/16/2012 18:42

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Nitrocellulose	1.0	2.0	1.0	0.48	mg/L	U		1	WS-WC-00 50

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SW-0014-0001-SW Lab Sample ID: 240-17796-18
Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1
SDG ID.:
Matrix: Water Date Sampled: 11/15/2012 15:00
Reporting Basis: WET Date Received: 11/16/2012 18:42

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Nitrocellulose	1.0	2.0	1.0	0.48	mg/L	U		1	WS-WC-00 50

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SW-0015-0001-SW

Lab Sample ID: 240-17796-19

Lab Name: TestAmerica West Sacramento

Job No.: 240-17796-1

SDG ID.:

Matrix: Water

Date Sampled: 11/15/2012 15:30

Reporting Basis: WET

Date Received: 11/16/2012 18:42

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Nitrocellulose	1.0	2.0	1.0	0.48	mg/L	U		1	WS-WC-0050

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076-0067-0001-ER Lab Sample ID: 240-17796-20
Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1
SDG ID.:
Matrix: Water Date Sampled: 11/15/2012 13:00
Reporting Basis: WET Date Received: 11/16/2012 18:42

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Nitrocellulose	1.0	2.0	1.0	0.48	mg/L	U		1	WS-WC-00 50

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SB-0044M-0001-SO Lab Sample ID: 240-17796-29
Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1
SDG ID.:
Matrix: Solid Date Sampled: 11/15/2012 12:25
Reporting Basis: WET Date Received: 11/16/2012 18:42

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Nitrocellulose	18	51	18	7.9	mg/Kg	U		1	WS-WC-00 50

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SB-0045M-0001-SO Lab Sample ID: 240-17796-30
Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1
SDG ID.:
Matrix: Solid Date Sampled: 11/15/2012 12:25
Reporting Basis: WET Date Received: 11/16/2012 18:42

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Nitrocellulose	18	50	18	7.7	mg/Kg	U		1	WS-WC-00 50

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SB-0046M-0001-SO Lab Sample ID: 240-17796-31
Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1
SDG ID.:
Matrix: Solid Date Sampled: 11/15/2012 10:50
Reporting Basis: WET Date Received: 11/16/2012 18:42

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Nitrocellulose	17	47	17	7.4	mg/Kg	U		1	WS-WC-0050

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SB-0047M-0001-SO Lab Sample ID: 240-17796-32
Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1
SDG ID.:
Matrix: Solid Date Sampled: 11/15/2012 11:11
Reporting Basis: WET Date Received: 11/16/2012 18:42

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Nitrocellulose	18	50	18	7.8	mg/Kg	U		1	WS-WC-00 50

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SB-0048M-0001-SO Lab Sample ID: 240-17796-33
Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1
SDG ID.:
Matrix: Solid Date Sampled: 11/15/2012 11:40
Reporting Basis: WET Date Received: 11/16/2012 18:42

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Nitrocellulose	19	51	19	8.0	mg/Kg	U		1	WS-WC-00 50

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SB-0049M-0001-SO Lab Sample ID: 240-17796-34
Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1
SDG ID.:
Matrix: Solid Date Sampled: 11/15/2012 12:05
Reporting Basis: WET Date Received: 11/16/2012 18:42

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Nitrocellulose	18	51	18	7.9	mg/Kg	U		1	WS-WC-00 50

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SB-0050M-0001-SO Lab Sample ID: 240-17796-35
Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1
SDG ID.:
Matrix: Solid Date Sampled: 11/15/2012 12:30
Reporting Basis: WET Date Received: 11/16/2012 18:42

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Nitrocellulose	17	46	17	7.2	mg/Kg	U		1	WS-WC-0050

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SB-0051M-0001-SO Lab Sample ID: 240-17796-36

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1

SDG ID.:

Matrix: Solid Date Sampled: 11/15/2012 12:10

Reporting Basis: DRY Date Received: 11/16/2012 18:42

% Solids: 78.4

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Nitrocellulose	22	61	22	9.6	mg/Kg	U		1	WS-WC-00 50

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-17796-1
SDG No.: _____
Analyst: LG Batch Start Date: 12/05/2012
Reporting Units: mg/Kg Analytical Batch No.: 67491

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	00:00	Cr (VI)	19.4	20.0	97	90-110		WCCHROME50PM2_00010
2	ICB	00:00	Cr (VI)	0.80				U	
6	CCV	14:14	Cr (VI)	20.6	20.0	103	90-110		WCCHROME50PPM_00009
7	CCB	14:14	Cr (VI)	0.80				U	
33	CCV	15:47	Cr (VI)	19.9	20.0	99	90-110		WCCHROME50PPM_00009
34	CCB	15:47	Cr (VI)	0.80				U	
45	CCV	15:58	Cr (VI)	19.9	20.0	99	90-110		WCCHROME50PPM_00009
46	CCB	15:58	Cr (VI)	0.80				U	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1
SDG No.: _____
Analyst: JB Batch Start Date: 12/06/2012
Reporting Units: mg/L Analytical Batch No.: 7008

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
8	ICV	12:36	Nitrocellulose	8.34	4.49	186	90-110		WC-353.2-ICV_00010
9	ICB	12:38	Nitrocellulose	1.0				U	
21	CCV	13:02	Nitrocellulose	8.43	8.48	99	90-110		WC-353.2-L4_00008
22	CCB	13:04	Nitrocellulose	1.0				U	
35	CCV	13:30	Nitrocellulose	8.40	8.48	99	90-110		WC-353.2-L4_00008
36	CCB	13:32	Nitrocellulose	1.0				U	
45	CCV	13:50	Nitrocellulose	8.35	8.48	99	90-110		WC-353.2-L4_00008
46	CCB	13:52	Nitrocellulose	1.0				U	
59	CCV	14:18	Nitrocellulose	8.23	8.48	97	90-110		WC-353.2-L4_00008
60	CCB	14:20	Nitrocellulose	1.0				U	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.: _____

Method	Lab Sample ID	Analyte	Result	Qual	Units	LOQ	Dil
Batch ID: 67491 Date: 12/05/2012 00:00 Prep Batch: 67293 Date: 12/04/2012 15:00							
7196A	MB 240-67293/9-A	Cr (VI)	0.80	U	mg/Kg	0.80	1

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica West Sacramento

Job No.: 240-17796-1

SDG No.: _____

Method	Lab Sample ID	Analyte	Result	Qual	Units	LOQ	Dil
Batch ID: 7008	Date: 12/06/2012 12:50	Prep Batch: 6967	Date: 12/06/2012 07:13				
WS-WC-0050	MB 320-6938/1-B	Nitrocellulose	1.8	U	mg/Kg	5.0	1
Batch ID: 7008	Date: 12/06/2012 13:56	Prep Batch: 6966	Date: 12/06/2012 06:41				
WS-WC-0050	MB 320-6877/1-B	Nitrocellulose	1.0	U	mg/L	2.0	1

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1

SDG No.: _____

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 7008 Date: 12/06/2012 12:56 Prep Batch: 6967 Date: 12/06/2012 07:13											
WS-WC-0 050	240-17796-2	Nitrocellulose	17	U	mg/Kg						J
WS-WC-0 050	240-17796-2 MS	Nitrocellulose	155		mg/Kg	500	31	34-115			J

Calculations are performed before rounding to avoid round-off errors in calculated results.

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1

SDG No.: _____

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 7008 Date: 12/06/2012 14:06 Prep Batch: 6966 Date: 12/06/2012 06:41											
WS-WC-0 050	240-17796-17	Nitrocellulose	1.0	U	mg/L						
WS-WC-0 050	240-17796-17 MS	Nitrocellulose	4.67		mg/L	5.10	91	26-144			

Calculations are performed before rounding to avoid round-off errors in calculated results.

5-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1

SDG No.: _____

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 7008 Date: 12/06/2012 12:58 Prep Batch: 6967 Date: 12/06/2012 07:13											
WS-WC-0 050	240-17796-2 MSD	Nitrocellulose	138		mg/Kg	486	28	34-115	12	71	J

Calculations are performed before rounding to avoid round-off errors in calculated results.

5-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1

SDG No.: _____

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 7008	Date: 12/06/2012 14:08	Prep Batch: 6966	Date: 12/06/2012 06:41								
WS-WC-0 050	240-17796-17 MSD	Nitrocellulose	4.39		mg/L	5.10	86	26-144	6	45	

Calculations are performed before rounding to avoid round-off errors in calculated results.

7A-IN
LAB CONTROL SAMPLE SOLUBLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.: _____

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 67491 Date: 12/05/2012 00:00 Prep Batch: 67293 Date: 12/04/2012 15:00 LCS Source: WCCHROME50PM2_00010											
7196A	LCSS 240-67293/10-A	Cr (VI)	19.4		mg/Kg	20.0	97	90-110			
Batch ID: 67491 Date: 12/05/2012 00:00 Prep Batch: 67293 Date: 12/04/2012 15:00 LCS Source: WCPBCHROMATE_00004											
7196A	LCSI 240-67293/11-A	Cr (VI)	651		mg/Kg	643	101	75-125			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1
SDG No.: _____
Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 7008 Date: 12/06/2012 12:52 Prep Batch: 6967 Date: 12/06/2012 07:13											
LCS Source: HPNCSP_00007											
WS-WC-0 050	LCS 320-6938/2-B	Nitrocellulose	20.1		mg/Kg	51.0	39	34-115			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1

SDG No.: _____

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 7008 Date: 12/06/2012 13:58 Prep Batch: 6966 Date: 12/06/2012 06:41											
LCS Source: HPNCSP_00007											
WS-WC-0 050	LCS 320-6877/2-B	Nitrocellulose	4.41		mg/L	5.10	87	26-144			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

7A-IN
METHOD REPORTING LIMIT CHECK
GENERAL CHEMISTRY

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1

SDG No.: _____

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 7008 Date: 12/06/2012 12:40											
						LCS Source: WC-353.2-L1_00011					
WS-WC-0	MRL	Nitrocellulose	1.0	U	mg/L	0.424	101	70-130			
050	320-7008/10										
Batch ID: 7008 Date: 12/06/2012 13:00											
						LCS Source: WC-353.2-L1_00011					
WS-WC-0	MRL	Nitrocellulose	1.0	U	mg/L	0.424	91	70-130			
050	320-7008/20										
Batch ID: 7008 Date: 12/06/2012 13:28											
						LCS Source: WC-353.2-L1_00011					
WS-WC-0	MRL	Nitrocellulose	1.0	U	mg/L	0.424	97	70-130			
050	320-7008/34										

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

7A-IN
METHOD REPORTING LIMIT CHECK
GENERAL CHEMISTRY

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1

SDG No.: _____

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 7008 Date: 12/06/2012 13:48											
						LCS Source: WC-353.2-L1_00011					
WS-WC-0 050	MRL 320-7008/44	Nitrocellulose	1.0	U	mg/L	0.424	105	70-130			
Batch ID: 7008 Date: 12/06/2012 14:16											
						LCS Source: WC-353.2-L1_00011					
WS-WC-0 050	MRL 320-7008/58	Nitrocellulose	1.0	U	mg/L	0.424	91	70-130			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-17796-1
SDG Number: _____
Matrix: Solid Instrument ID: ERNIE-CR
Method: 7196A DL Date: 01/27/2010 16:56
Prep Method: 3060A
Leach Method: Increment, Prep

Analyte	Wavelength/ Mass	LOQ (mg/Kg)	DL (mg/Kg)
Cr (VI)		0.8	0.27

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-17796-1
SDG Number: _____
Matrix: Solid Instrument ID: ERNIE-CR
Method: 7196A XMDL Date: 01/27/2010 16:56

Analyte	Wavelength/ Mass	XRL (mg/Kg)	XMDL (mg/Kg)
Cr (VI)		0.8	0.27

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-17796-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: Moisture LOQ Date: 01/28/2010 09:24

Analyte	Wavelength/ Mass	LOQ (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-17796-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: Moisture XRL Date: 01/28/2010 09:24

Analyte	Wavelength/ Mass	XRL (mg/L)	
Percent Moisture		10	
Percent Solids		10	

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica West Sacramento Job Number: 240-17796-1
SDG Number: _____
Matrix: Solid Instrument ID: FS4
Method: WS-WC-0050 DL Date: 03/15/2011 14:37
Prep Method: 353 (NCell-Hyd)

Analyte	Wavelength/ Mass	LOQ (mg/Kg)	DL (mg/Kg)
Nitrocellulose		5	0.78

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica West Sacramento Job Number: 240-17796-1
SDG Number: _____
Matrix: Solid Instrument ID: FS4
Method: WS-WC-0050 XMDL Date: 03/15/2011 14:36

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Nitrocellulose		2	0.475

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica West Sacramento Job Number: 240-17796-1
SDG Number: _____
Matrix: Water Instrument ID: FS4
Method: WS-WC-0050 DL Date: 03/15/2011 14:37
Prep Method: 353 (NCell-Hyd)

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Nitrocellulose		2	0.475

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica West Sacramento Job Number: 240-17796-1
SDG Number: _____
Matrix: Water Instrument ID: FS4
Method: WS-WC-0050 XMDL Date: 03/15/2011 14:36

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Nitrocellulose		2	0.475

11-IN
LINEAR RANGES
GENERAL CHEMISTRY

Lab Name: TestAmerica West Sacramento

Job No: 240-17796-1

SDG No.: _____

Instrument ID: FS4

Date: 07/31/2011 19:29

Analyte	Integ. Time (Sec.)	Concentration (mg/L)	Method
Nitrocellulose		16.8	WS-WC-0050

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.: _____

Prep Method: 3060A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 240-67293/9-A	12/04/2012 15:00	67293	2.5		100
LCSS 240-67293/10-A	12/04/2012 15:00	67293	2.5		100
LCSS 240-67293/11-A	12/04/2012 15:00	67293	2.5		100
240-17796-2	12/04/2012 15:00	67293	2.5		100

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica West Sacramento

Job No.: 240-17796-1

SDG No.: _____

Prep Method: 353 (NCell-Hyd)

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 320-6877/1-B	12/06/2012 06:41	6966		45	40
LCS 320-6877/2-B	12/06/2012 06:41	6966		45	40
240-17796-17	12/06/2012 06:41	6966		45	40
240-17796-17 MS	12/06/2012 06:41	6966		45	40
240-17796-17 MSD	12/06/2012 06:41	6966		45	40
240-17796-18	12/06/2012 06:41	6966		45	40
240-17796-19	12/06/2012 06:41	6966		45	40
240-17796-20	12/06/2012 06:41	6966		45	40

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica West Sacramento

Job No.: 240-17796-1

SDG No.: _____

Prep Method: 353 (NCell-Hyd)

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 320-6938/1-B	12/06/2012 07:13	6967		45	40
LCS 320-6938/2-B	12/06/2012 07:13	6967		45	40
240-17796-2	12/06/2012 07:13	6967		45	40
240-17796-2 MS	12/06/2012 07:13	6967		45	40
240-17796-2 MSD	12/06/2012 07:13	6967		45	40
240-17796-9	12/06/2012 07:13	6967		45	40
240-17796-10	12/06/2012 07:13	6967		45	40
240-17796-11	12/06/2012 07:13	6967		45	40
240-17796-12	12/06/2012 07:13	6967		45	40
240-17796-13	12/06/2012 07:13	6967		45	40
240-17796-14	12/06/2012 07:13	6967		45	40
240-17796-15	12/06/2012 07:13	6967		45	40
240-17796-16	12/06/2012 07:13	6967		45	40
240-17796-29	12/06/2012 07:13	6967		45	40
240-17796-30	12/06/2012 07:13	6967		45	40
240-17796-31	12/06/2012 07:13	6967		45	40
240-17796-32	12/06/2012 07:13	6967		45	40
240-17796-33	12/06/2012 07:13	6967		45	40
240-17796-34	12/06/2012 07:13	6967		45	40
240-17796-35	12/06/2012 07:13	6967		45	40
240-17796-36	12/06/2012 07:13	6967		45	40

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.: _____

Instrument ID: ERNIE-CR Method: 7196A

Start Date: 12/05/2012 00:00 End Date: 12/05/2012 15:58

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				C r 6																	
ICV 240-67293/7-A	1		00:00	X																	
ICB 240-67293/8-A	1		00:00	X																	
MB 240-67293/9-A	1	T	00:00	X																	
LCSS 240-67293/10-A	1	T	00:00	X																	
LCSI 240-67293/11-A	1	T	00:00	X																	
CCV 240-67293/12-A	1		14:14	X																	
CCB 240-67293/13-A	1		14:14	X																	
CCV 240-67293/12-A			14:24																		
CCB 240-67293/13-A			14:24																		
ZZZZZZ			14:31																		
ZZZZZZ			14:33																		
CCV 240-67293/12-A			14:34																		
CCB 240-67293/13-A			14:34																		
ZZZZZZ			14:45																		
ZZZZZZ			14:46																		
CCV 240-67293/12-A			14:47																		
CCB 240-67293/13-A			14:47																		
ZZZZZZ			14:51																		
ZZZZZZ			14:52																		
CCV 240-67293/12-A			14:53																		
CCB 240-67293/13-A			14:53																		
CCV 240-67293/12-A			15:13																		
CCB 240-67293/13-A			15:13																		
CCV 240-67293/12-A			15:18																		
CCB 240-67293/13-A			15:18																		
CCV 240-67293/12-A			15:21																		
CCB 240-67293/13-A			15:21																		
CCV 240-67293/12-A			15:27																		
CCB 240-67293/13-A			15:27																		
CCV 240-67293/12-A			15:37																		
CCB 240-67293/13-A			15:37																		
ZZZZZZ			15:47																		
CCV 240-67293/12-A	1		15:47	X																	
CCB 240-67293/13-A	1		15:47	X																	
240-17796-2	1	T	15:58	X																	
ZZZZZZ			15:58																		
ZZZZZZ			15:58																		
ZZZZZZ			15:58																		
ZZZZZZ			15:58																		
ZZZZZZ			15:58																		
ZZZZZZ			15:58																		
ZZZZZZ			15:58																		

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.: _____

Instrument ID: ERNIE-CR Method: 7196A

Start Date: 12/05/2012 00:00 End Date: 12/05/2012 15:58

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				C r 6																	
ZZZZZZ			15:58																		
ZZZZZZ			15:58																		
CCV 240-67293/12-A	1		15:58	X																	
CCB 240-67293/13-A	1		15:58	X																	

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.: _____

Instrument ID: NOEQUIP Method: Moisture

Start Date: 11/23/2012 10:25 End Date: 11/23/2012 10:49

Lab Sample ID	D / F	T y p e	Time	Analytes															
				% S o l	M o i s t														
240-17796-1 DU	1	T	10:25	X	X														
240-17796-1	1	T	10:25	X	X														
240-17796-2	1	T	10:25	X	X														
240-17796-3	1	T	10:25	X	X														
240-17796-4	1	T	10:25	X	X														
240-17796-5	1	T	10:25	X	X														
240-17796-6	1	T	10:25	X	X														
240-17796-7	1	T	10:25	X	X														
240-17796-8	1	T	10:25	X	X														
240-17796-9	1	T	10:25	X	X														
240-17796-10 DU	1	T	10:25	X	X														
240-17796-10	1	T	10:25	X	X														
240-17796-11	1	T	10:25	X	X														
240-17796-12	1	T	10:25	X	X														
240-17796-13	1	T	10:25	X	X														
240-17796-14	1	T	10:25	X	X														
240-17796-15	1	T	10:25	X	X														
240-17796-16	1	T	10:25	X	X														
240-17796-22	1	T	10:25	X	X														
240-17796-23	1	T	10:25	X	X														
240-17796-24 DU	1	T	10:25	X	X														
240-17796-24	1	T	10:25	X	X														
240-17796-25	1	T	10:25	X	X														
240-17796-26	1	T	10:25	X	X														
240-17796-27	1	T	10:25	X	X														
240-17796-28	1	T	10:25	X	X														
240-17796-29	1	T	10:25	X	X														
240-17796-30	1	T	10:25	X	X														
240-17796-31	1	T	10:25	X	X														
240-17796-32	1	T	10:25	X	X														
240-17796-33 DU	1	T	10:25	X	X														
240-17796-33	1	T	10:25	X	X														
240-17796-34	1	T	10:25	X	X														
240-17796-35	1	T	10:25	X	X														
240-17796-36	1	T	10:25	X	X														
ZZZZZZ			10:25																
ZZZZZZ			10:25																
ZZZZZZ			10:25																
ZZZZZZ			10:25																
ZZZZZZ			10:25																
ZZZZZZ			10:25																
ZZZZZZ			10:25																

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 11/23/2012 10:25 End Date: 11/23/2012 10:49

[illegible]

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 11/23/2012 10:25 End Date: 11/23/2012 10:49

[illegible]

Prep Types

$$T = \text{Total}/NA$$

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1

SDG No.: _____

Instrument ID: FS4 Method: WS-WC-0050

Start Date: 12/06/2012 12:21 End Date: 12/06/2012 14:22

Lab Sample ID	D / F	T y p e	Time	Analytes															
				N C L															
ZZZZZZ			12:21																
STD0 320-7008/2 IC			12:24	X															
STD1 320-7008/3 IC			12:26	X															
STD2 320-7008/4 IC			12:28	X															
STD3 320-7008/5 IC			12:30	X															
STD4 320-7008/6 IC			12:32	X															
STD5 320-7008/7 IC			12:34	X															
ICV 320-7008/8	1		12:36	X															
ICB 320-7008/9	1		12:38	X															
MRL 320-7008/10	1	T	12:40	X															
ZZZZZZ			12:42																
ZZZZZZ			12:44																
ZZZZZZ			12:46																
ZZZZZZ			12:48																
MB 320-6938/1-B	1	T	12:50	X															
LCS 320-6938/2-B	1	T	12:52	X															
240-17796-2	1	T	12:54	X															
240-17796-2 MS	1	T	12:56	X															
240-17796-2 MSD	1	T	12:58	X															
MRL 320-7008/20	1	T	13:00	X															
CCV 320-7008/21	1		13:02	X															
CCB 320-7008/22	1		13:04	X															
ZZZZZZ			13:06																
240-17796-9	1	T	13:08	X															
240-17796-10	1	T	13:10	X															
240-17796-11	1	T	13:12	X															
240-17796-12	1	T	13:14	X															
240-17796-13	1	T	13:16	X															
240-17796-14	1	T	13:18	X															
240-17796-15	1	T	13:20	X															
240-17796-16	1	T	13:22	X															
240-17796-29	1	T	13:24	X															
240-17796-30	1	T	13:26	X															
MRL 320-7008/34	1	T	13:28	X															
CCV 320-7008/35	1		13:30	X															
CCB 320-7008/36	1		13:32	X															
ZZZZZZ			13:34																
240-17796-31	1	T	13:36	X															
240-17796-32	1	T	13:38	X															
240-17796-33	1	T	13:40	X															
240-17796-34	1	T	13:42	X															
240-17796-35	1	T	13:44	X															

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1

SDG No.: _____

Instrument ID: FS4 Method: WS-WC-0050

Start Date: 12/06/2012 12:21 End Date: 12/06/2012 14:22

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				N C L																	
240-17796-36	1	T	13:46	X																	
MRL 320-7008/44	1	T	13:48	X																	
CCV 320-7008/45	1		13:50	X																	
CCB 320-7008/46	1		13:52	X																	
ZZZZZZ			13:54																		
MB 320-6877/1-B	1	T	13:56	X																	
LCS 320-6877/2-B	1	T	13:58	X																	
ZZZZZZ			14:00																		
ZZZZZZ			14:02																		
240-17796-17	1	T	14:04	X																	
240-17796-17 MS	1	T	14:06	X																	
240-17796-17 MSD	1	T	14:08	X																	
240-17796-18	1	T	14:10	X																	
240-17796-19	1	T	14:12	X																	
240-17796-20	1	T	14:14	X																	
MRL 320-7008/58	1	T	14:16	X																	
CCV 320-7008/59	1		14:18	X																	
CCB 320-7008/60	1		14:20	X																	
ZZZZZZ			14:22																		

Prep Types

T = Total/NA

TestAmerica, North Canton

3060A/7196A Cr+6 Solid Logsheet

[illegible]

CCV 240-67293/12-A	2.500	0.302	2.5	100	1	20	103%	Cr (VI)	20.6434	14:24
CCB 240-67293/13-A	2.500	0.000	2.5	100	1			Cr (VI)	-0.1203	14:24
480-29019-I-2-A	2.5	0.078	0.08	-0.002	0.00	Slope	0.00310	Cr (VI)	0.0000	14:31
	2.55	0.085	0.087	-0.002	0.78	Intercept	-0.00439			14:32
	2.52	0.097	0.092	0.005	3.97	r	0.99720			14:32
	2.47	0.114	0.055	0.059	20.24					14:32
480-29019-G-3-A	2.48	0.035	0.038	-0.003	0.00	Slope	0.00399	Cr (VI)	0.0000	14:33
	2.54	0.052	0.053	-0.001	0.79	Intercept	-0.00426			14:33
	2.5	0.098	0.088	0.010	4.00	r	0.99943			14:33
	2.53	0.115	0.040	0.075	19.76					14:34
CCV 240-67293/12-A	2.500	0.302	2.5	100	1	20	103%	Cr (VI)	20.6434	14:34
CCB 240-67293/13-A	2.500	0.000	2.5	100	1			Cr (VI)	-0.1203	14:34
480-29019-G-4-A	2.54	0	0	0.000	0.00	Slope	0.00223	Cr (VI)	0.0000	14:45
	2.5	0.009	0.005	0.004	0.80	Intercept	0.00026			14:46
	2.55	0.021	0.014	0.007	3.92	r	0.99693			14:46
	2.51	0.06	0.015	0.045	19.92					14:46
480-29019-E-5-A	2.48	0.01	0.01	0.000	0.00	Slope	0.00799	Cr (VI)	0.0000	14:46
	2.48	0.025	0.008	0.017	0.81	Intercept	0.00769			14:47
	2.49	0.049	0.003	0.046	4.02	r	0.99667			14:47
	2.55	0.17	0.007	0.163	19.61					14:47
CCV 240-67293/12-A	2.500	0.301	2.5	100.000	1	20	103%	Cr (VI)	20.5747	14:47
CCB 240-67293/13-A	2.500	0	2.5	100.000	1			Cr (VI)	-0.1203	14:47
240-18025-B-9-D	2.53	0.027	0.004	0.023	0.00	Slope	0.01203	Cr (VI)	2.0598	14:51
	2.55	0.033	0.004	0.029	0.78	Intercept	0.02488			14:51
	2.55	0.084	0.003	0.081	3.92	r	0.99855			14:51
	2.51	0.268	0.004	0.264	19.92					14:51
240-18025-B-10-D	2.5	0.007	0.005	0.002	0.00	Slope	0.00992	Cr (VI)	0.0000	14:52
	2.55	0.006	0.004	0.002	0.78	Intercept	-0.00674			14:52
	2.49	0.028	0.007	0.021	4.02	r	0.99560			14:52
	2.5	0.201	0.007	0.194	20.00					14:53
CCV 240-67293/12-A	2.500	0.301	2.5	100.000	1	20	103%	Cr (VI)	20.5747	14:53
CCB 240-67293/13-A	2.500	0.000	2.5	100.000	1			Cr (VI)	-0.1203	14:53
240-18025-B-11-D@5	2.48	0.268	0	0.268	0.00	Slope	0.00039	Cr (VI)	643.7799	15:01
	2.47	0.25	0	0.250	0.81	Intercept	0.25131			15:01
	2.5	0.234	0	0.234	4.00	r	0.24349			15:02
	2.47	0.263	0	0.263	20.24					15:02
240-18025-B-12-D@5	2.55	0.103	0	0.103	0.00	Slope	0.00116	Cr (VI)	102.9171	15:02
	2.51	0.126	0	0.126	0.80	Intercept	0.11976			15:02
	2.49	0.139	0	0.139	4.02	r	0.63504			15:02
	2.49	0.14	0	0.140	20.08					15:03
CCV 240-67293/12-A	2.500	0.297	2.5	100.000	1	20	101%	Cr (VI)	20.2997	15:13

CCB 240-67293/13-A	2.500	0.000	2.5	100.000	1				Cr (VI)	-0.1203	15:13
240-18025-B-13-D@10	2.52	0.23	0.003	0.227	0.00	Slope		0.00303	Cr (VI)	79.4877	15:16
	2.52	0.277	0.005	0.272	0.79	Intercept		0.24065			15:16
	2.53	0.24	0.005	0.235	3.95	r		0.80420			15:17
	2.48	0.307	0.003	0.304	20.16						15:17
240-18025-B-14-D@50	2.55	0.172	0.004	0.168	0.00	Slope		-0.00002	Cr (VI)	#####	15:17
	2.54	0.143	0.003	0.140	0.79	Intercept		0.15161			15:17
	2.5	0.148	0.003	0.145	4.00	r		-0.01389			15:17
	2.48	0.156	0.003	0.153	20.16						15:18
CCV 240-67293/12-A	2.500	0.294	2.5	100.000	1	20		100%	Cr (VI)	20.0934	15:18
CCB 240-67293/13-A	2.500	0	2.5	100.000	1				Cr (VI)	-0.1203	15:18
240-18025-B-15-D@10	2.53	0.202	0.003	0.199	0.00	Slope		0.00153	Cr (VI)	129.1231	15:20
	2.53	0.219	0.003	0.216	0.79	Intercept		0.19810			15:20
	2.52	0.186	0.003	0.183	3.97	r		0.67011			15:20
	2.53	0.235	0.003	0.232	19.76						15:20
240-18025-B-16-D	2.54	0.265	0.003	0.262	0.00	Slope		0.00050	Cr (VI)	473.3431	15:21
	2.5	0.221	0.002	0.219	0.80	Intercept		0.23762			15:21
	2.55	0.236	0.004	0.232	3.92	r		0.25021			15:21
	2.47	0.253	0.003	0.250	20.24						15:21
CCV 240-67293/12-A	2.500	0.29	2.5	100.000	1	20		99%	Cr (VI)	19.8184	15:21
CCB 240-67293/13-A	2.500	0	2.5	100.000	1				Cr (VI)	-0.1203	15:21
240-18025-B-17-D	2.5	0.01	0.006	0.004	0.00	Slope		0.00458	Cr (VI)	0.8187	15:25
	2.51	0.021	0.007	0.014	0.80	Intercept		0.00375			15:25
	2.47	0.021	0.007	0.014	4.05	r		0.98961			15:26
	2.52	0.101	0.005	0.096	19.84						15:26
240-18025-B-18-D	2.53	0.017	0.009	0.008	0.00	Slope		0.00804	Cr (VI)	0.8406	15:26
	2.55	0.042	0.005	0.037	0.78	Intercept		0.00675			15:27
	2.55	0.02	0.012	0.008	3.92	r		0.95686			15:27
	2.54	0.174	0.004	0.170	19.69						15:27
CCV 240-67293/12-A	2.500	0.291	2.5	100.000	1	20		99%	Cr (VI)	19.8871	15:27
CCB 240-67293/13-A	2.500	0	2.5	100.000	1				Cr (VI)	-0.1203	15:27
240-18025-B-19-D	2.48	0.182	0.004	0.178	0.00	Slope		0.00898	Cr (VI)	25.3670	15:35
	2.48	0.289	0	0.289	0.81	Intercept		0.22791			15:35
	2.55	0.267	0.006	0.261	3.92	r		0.88991			15:35
	2.54	0.417	0.014	0.403	19.69						15:35
240-18025-B-20-D	2.52	0.011	0.004	0.007	0.00	Slope		0.01949	Cr (VI)	2.3280	15:36
	2.46	0.037	0.005	0.032	0.81	Intercept		0.04538			15:36
	2.52	0.209	0.003	0.206	3.97	r		0.95382			15:37
	2.55	0.418	0.006	0.412	19.61						15:37
CCV 240-67293/12-A	2.500	0.291	2.5	100.000	1	20		99%	Cr (VI)	19.8871	15:37
CCB 240-67293/13-A	2.500	0	2.5	100.000	1				Cr (VI)	-0.1203	15:37

240-18025-B-21-D@5	2.51	0.092	0	0.092	0.00	Slope	0.00539	Cr (VI)	26.9326	15:47
	2.48	0.179	0	0.179	0.81	Intercept	0.14514			15:47
	2.48	0.198	0	0.198	4.03	r	0.78472			15:47
	2.51	0.245	0	0.245	19.92					15:47
240-18025-B-22-D	2.5	0.05	0.01	0.040	0.00	Slope	0.01350	Cr (VI)	3.9786	15:47
	2.48	0.076	0.007	0.069	0.81	Intercept	0.05370			15:47
	2.48	0.129	0.009	0.120	4.03	r	0.99628			15:47
	2.51	0.331	0.011	0.320	19.92					15:47
CCV 240-67293/12-A	2.500	0.291	2.5	100.000	1	20	99%	Cr (VI)	19.8871	15:47
CCB 240-67293/13-A	2.500	0.000	2.5	100.000	1			Cr (VI)	-0.1203	15:47
240-17796-B-2-F	2.500	0.001	2.500	100.000	1			Cr (VI)	-0.0515	15:58
480-29019-G-1-A	2.500	0.003	2.500	100.000	1			Cr (VI)	0.0860	15:58
240-18025-B-11-D@5	2.500	0.268	2.500	100.000	1			Cr (VI)	18.3058	15:58
240-18025-B-12-D@5	2.500	0.103	2.500	100.000	1			Cr (VI)	6.9614	15:58
240-18025-B-13-D@10	2.500	0.227	2.500	100.000	1			Cr (VI)	15.4869	15:58
240-18025-B-14-D@50	2.500	0.168	2.500	100.000	1			Cr (VI)	11.4304	15:58
240-18025-B-15-D@10	2.500	0.199	2.500	100.000	1			Cr (VI)	13.5618	15:58
240-18025-B-16-D	2.500	0.262	2.500	100.000	1			Cr (VI)	17.8933	15:58
240-18025-B-17-D	2.500	0.004	2.500	100.000	1			Cr (VI)	0.1548	15:58
240-18025-B-18-D	2.500	0.008	2.500	100.000	1			Cr (VI)	0.4298	15:58
CCV 240-67293/12-A	2.500	0.291	2.5	100.000	1	20	99%	Cr (VI)	19.8871	15:58
CCB 240-67293/13-A	2.500	0.000	2.5	100.000	1			Cr (VI)	-0.1203	15:58
240-18025-B-19-D	2.500	0.178	2.500	100.000	1			Cr (VI)	12.1179	15:58
240-18025-B-20-D	2.500	0.004	2.500	100.000	1			Cr (VI)	0.1548	15:58
240-18025-B-21-D@5	2.500	0.092	2.500	100.000	1			Cr (VI)	6.2051	15:58
	2.500			100.000	1			Cr (VI)	0.0000	
	2.500			100.000	1			Cr (VI)	0.0000	
	2.500			100.000	1			Cr (VI)	0.0000	
	2.500			100.000	1			Cr (VI)	0.0000	
	2.500			100.000	1			Cr (VI)	0.0000	
	2.500			100.000	1			Cr (VI)	0.0000	
	2.500			100.000	1			Cr (VI)	0.0000	
CCV 240-67293/12-A	2.500	0.291	2.5	100.000	1	20	99%	Cr (VI)	0.0000	
CCB 240-67293/13-A	2.500	0.000	2.5	100.000	1			Cr (VI)	19.8871	15:59
	2.500	0.000	2.5	100.000	1			Cr (VI)	-0.1203	15:59

File name: Z:\GENCHEM\ALPKEM~2\2012\NITROC~1\120612A.RST

Date: 06-Dec-12

Operator: jb

Peak	Cup	Name	R	Type	Dil	Wt	Height	Calc. (ppm)	Flags
1	105	Sync	1	SYNC		1	1	123089	1.003599
B	0	Baseline	1	RB		1	1	0	0.001706 BL
3	0	Cal 0	1	C		1	1	1	0.001713
4	102	Cal 1	1	C		1	1	5834	0.049192
5	103	Cal 2	1	C		1	1	23844	0.195789
6	104	Cal 3	1	C		1	1	48954	0.400173
7	105	Cal 4	1	C		1	1	123316	1.005452
8	106	Cal 5	1	C		1	1	245218	1.997681
9	107	ICV	1	U		1	1	121770	0.992867
10	0	BLANK/ICB	1	BLNK		1	1	82	0.002370
11	102	MRL	1	U		1	1	6050	0.050955
12	108	N02 1PPM	1	U		1	1	132451	1.079807
13	109	N03 1PPM	1	U		1	1	122397	0.997967
14	0	Blank	1	BLNK		1	1	126	0.002733
B	0	Baseline	1	RB		1	1	0	0.001706 BL
16	113	MB 320-6938/1-B	1	U		1	1	1348	0.012678
17	114	LCS 320-6938/2-B	1	U		1	1	73325	0.598542
18	115	240-17796-C-2-J	1	U		1	1	1005	0.009887
19	116	240-17796-C-2-K	MS	1	U	1	1	57563	0.470249
20	117	240-17796-C-2-L	MSD	1	U	1	1	52583	0.429715
21	102	MRL	1	U		1	1	5441	0.045990
22	105	CCV	1	U		1	1	123069	1.003441
23	0	Blank	1	BLNK		1	1	-187	0.000188
B	0	Baseline	1	RB		1	1	0	0.001706 BL
25	118	240-17796-C-9-D	1	U		1	1	794	0.008166
26	119	240-17796-C-10-D	1	U		1	1	994	0.009795
27	120	240-17796-C-11-D	1	U		1	1	869	0.008777
28	121	240-17796-C-12-D	1	U		1	1	977	0.009657
29	122	240-17796-C-13-D	1	U		1	1	501	0.005787
30	123	240-17796-C-14-D	1	U		1	1	601	0.006595
31	128	240-17796-C-15-D	1	U		1	1	610	0.006671
32	129	240-17796-C-16-D	1	U		1	1	548	0.006169
33	130	240-17796-C-29-D	1	U		1	1	307	0.004204
34	131	240-17796-C-30-D	1	U		1	1	608	0.006655
35	102	MRL	1	U		1	1	5847	0.049301
36	105	CCV	1	U		1	1	122596	0.999586
37	0	BLANK	1	BLNK		1	1	-2	0.001688
B	0	Baseline	1	RB		1	1	0	0.001706 BL
39	132	240-17796-C-31-D	1	U		1	1	576	0.006392
40	133	240-17796-C-32-D	1	U		1	1	1916	0.017304
41	134	240-17796-C-33-D	1	U		1	1	725	0.007610
42	135	240-17796-C-34-D	1	U		1	1	905	0.009073
43	136	240-17796-C-35-D	1	U		1	1	654	0.007027
44	137	240-17796-C-36-D	1	U		1	1	528	0.006000
45	102	MRL	1	U		1	1	6346	0.053363
46	105	CCV	1	U		1	1	121958	0.994393
47	0	BLANK	1	BLNK		1	1	79	0.002351
B	0	Baseline	1	RB		1	1	0	0.001706 BL
49	138	MB 320-6877/1-B	1	U		1	1	1130	0.010902
50	139	LCS 320-6877/2-B	1	U		1	1	161079	1.312827
51	140	320-1102-A-7-B	1	U		1	1	35020	0.286753
52	141	320-1102-A-8-B	1	U		1	1	72989	0.595808
53	142	240-17796-0-17-G	1	U		1	1	1441	0.013436
54	143	240-17796-0-17-H	MS	1	U	1	1	170321	1.388048
55	144	240-17796-0-17-I	MSD	1	U	1	1	160106	1.304907
56	145	240-17796-E-18-C	1	U		1	1	1803	0.016385
57	146	240-17796-E-19-C	1	U		1	1	2028	0.018213
58	147	240-17796-L-20-C	1	U		1	1	1662	0.015238
59	102	MRL	1	U		1	1	5389	0.045573
60	105	CCV	1	U		1	1	120029	0.978695
61	0	BLANK	1	BLNK		1	1	-33	0.001440
B	0	Baseline	1	RB		1	1	0	0.001706 BL

Cup	Name	S	1:Time	1:Value	1:S
0	Baseline	C	12:21:59	0.00	[C]
0	Cal 0	C	12:24:00	0.00	[C]
102	Cal 1	C	12:26:00	0.05	[C]
103	Cal 2	C	12:28:00	0.20	[C]
104	Cal 3	C	12:30:00	0.40	[C]
105	Cal 4	C	12:32:00	1.01	[C]
106	Cal 5	C	12:34:00	2.00	[C]
107	ICV	-	12:36:01	0.99	[-]
0	BLANK/ICB	C	12:38:01	0.00	[C]
102	MRL	-	12:40:01	0.05	[-]
108	N02 1PPM	-	12:42:01	1.08	[-]
109	N03 1PPM	-	12:44:01	1.00	[-]
0	Blank	C	12:46:01	0.00	[C]
0	Baseline	C	12:48:02	0.00	[C]
113	MB 320-6938/1-B	-	12:50:02	0.01	[-]
114	LCS 320-6938/2-B	-	12:52:02	0.60	[-]
115	240-17796-C-2-J	-	12:54:02	0.01	[-]
116	240-17796-C-2-K MS	-	12:56:02	0.47	[-]
117	240-17796-C-2-L MSD	-	12:58:03	0.43	[-]
102	MRL	-	13:00:03	0.05	[-]
105	CCV	-	13:02:03	1.00	[-]
0	Blank	C	13:04:03	0.00	[C]
0	Baseline	C	13:06:03	0.00	[C]
118	240-17796-C-9-D	-	13:08:03	0.01	[-]
119	240-17796-C-10-D	-	13:10:04	0.01	[-]
120	240-17796-C-11-D	-	13:12:04	0.01	[-]
121	240-17796-C-12-D	-	13:14:04	0.01	[-]
122	240-17796-C-13-D	-	13:16:04	0.01	[-]
123	240-17796-C-14-D	-	13:18:04	0.01	[-]
128	240-17796-C-15-D	-	13:20:04	0.01	[-]
129	240-17796-C-16-D	-	13:22:05	0.01	[-]
130	240-17796-C-29-D	-	13:24:05	0.00	[-]
131	240-17796-C-30-D	-	13:26:05	0.01	[-]
102	MRL	-	13:28:05	0.05	[-]
105	CCV	-	13:30:05	1.00	[-]
0	BLANK	C	13:32:05	0.00	[C]
0	Baseline	C	13:34:06	0.00	[C]
132	240-17796-C-31-D	-	13:36:06	0.01	[-]
133	240-17796-C-32-D	-	13:38:06	0.02	[-]
134	240-17796-C-33-D	-	13:40:06	0.01	[-]
135	240-17796-C-34-D	-	13:42:06	0.01	[-]
136	240-17796-C-35-D	-	13:44:07	0.01	[-]
137	240-17796-C-36-D	-	13:46:07	0.01	[-]
102	MRL	-	13:48:07	0.05	[-]
105	CCV	-	13:50:07	0.99	[-]
0	BLANK	C	13:52:07	0.00	[C]
0	Baseline	C	13:54:07	0.00	[C]
138	MB 320-6877/1-B	-	13:56:08	0.01	[-]
139	LCS 320-6877/2-B	-	13:58:08	1.31	[-]
140	320-1102-A-7-B	-	14:00:08	0.29	[-]
141	320-1102-A-8-B	-	14:02:08	0.60	[-]
142	240-17796-0-17-G	-	14:04:08	0.01	[-]
143	240-17796-0-17-H MS	-	14:06:08	1.39	[-]
144	240-17796-0-17-I MSD	-	14:08:09	1.30	[-]
145	240-17796-E-18-C	-	14:10:09	0.02	[-]
146	240-17796-E-19-C	-	14:12:09	0.02	[-]
147	240-17796-L-20-C	-	14:14:09	0.02	[-]
102	MRL	-	14:16:09	0.05	[-]
105	CCV	-	14:18:09	0.98	[-]
0	BLANK	C	14:20:10	0.00	[C]
0	Baseline	C	14:22:10	0.00	[C]

File name: Z:\GENCHEM\ALPKEM~2\2012\NITROC~1\120612A.RST

Date: 06-Dec-12

Operator: jb

* Name	Conc	Height
* Cal 0	0.000000	0.878082
* Cal 1	0.050000	5833.857422
* Cal 2	0.200000	23844.236328
* Cal 3	0.400000	48954.160156
* Cal 4	1.000000	123316.343750
* Cal 5	2.000000	245217.796875

Calib Coef:

y=bx+a

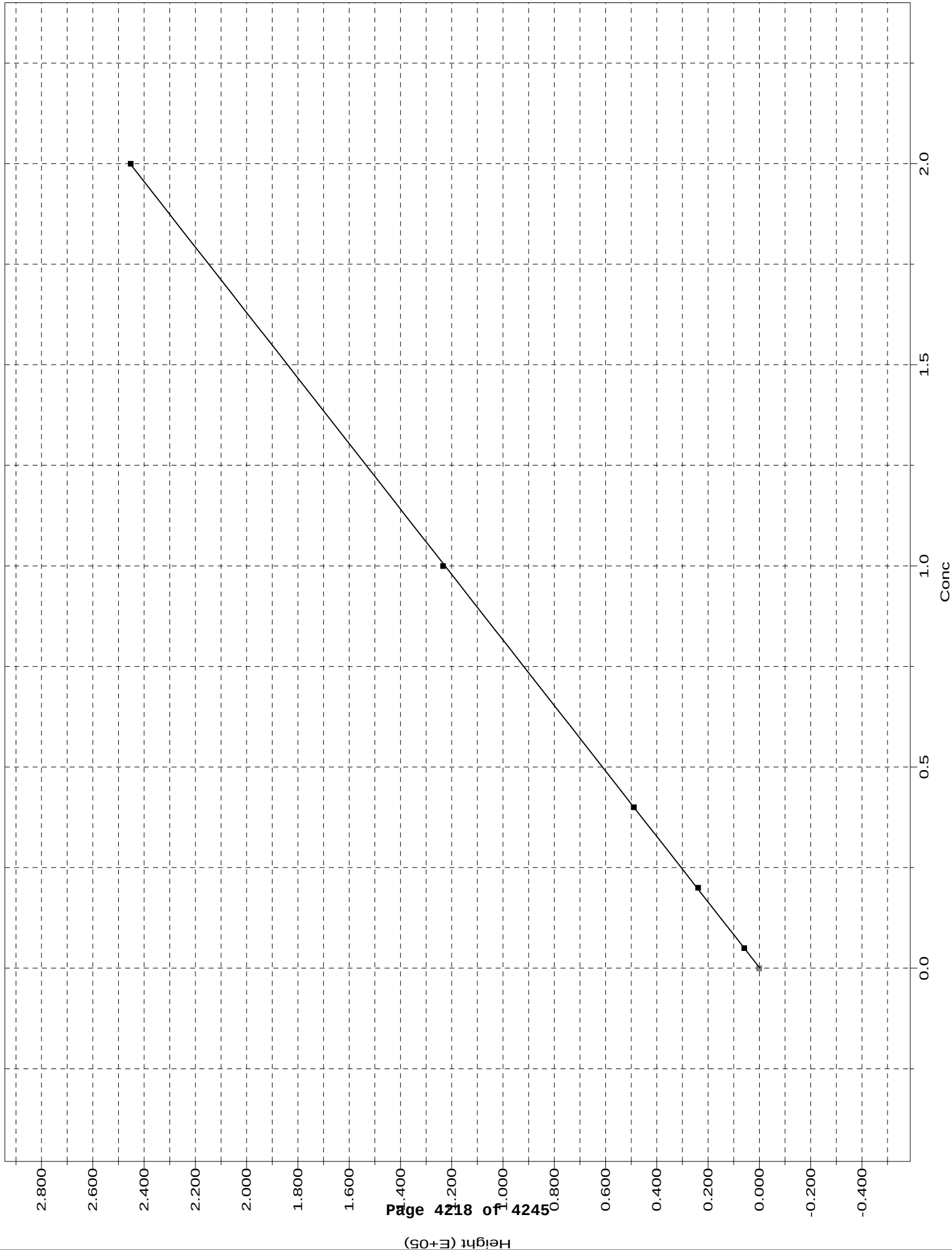
a: (intercept) -2.0963e+02

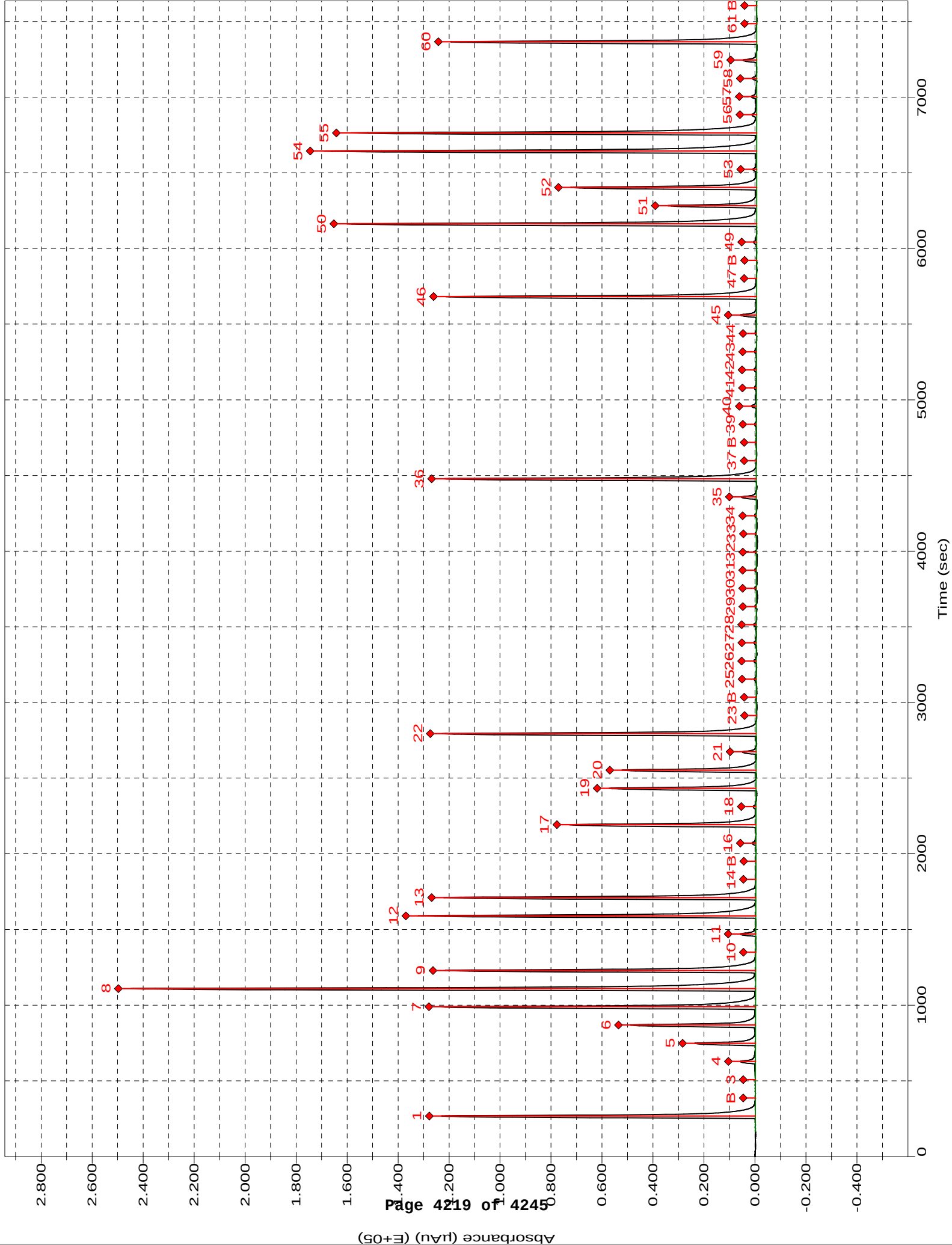
b: 1.2286e+05

Corr Coef: 0.999990

Carryover: n/a

No Drift Peaks





Level I and Level II Review Checklist General Chemistry

Instrument ID F54		WS-WC-050 Ncell		
Batch 7008	File # 120612A	Date 12/6/12	Analyst [Signature]	
Lot Numbers 240-17796, 320-1102-3		YES	NO	NA
LEVEL 1 Review:				
1. Samples properly preserved/verified		/		
2. Run setup meets Std criteria (Curve, ICV/ICB, CCV etc.)		/		
3. Calibration criteria met ($R=0.995$, $R^2=0.990$)		/		
4. Interception criteria for quadratic fits + or - 1/2 the RL				/
5. Second source std in control		/		
6. Batch QC in control (LCS, MB, MS/MSD, DCS if necessary)		/	/	
7. Calculations checked		/		
8. QAS/QAPP consulted for client specific requirements		/		
9. Standard tracking #'s recorded on runlog/benchsheet		/		
10. Manual integration performed, documented & approved				/
11. Copy of run log included with data package		/		
12. Copy of conductivity screen logbook (314.0 only)				/
LEVEL 1 Data Review:				
1. Benchsheet complete		/		
2. QAS/QAPP Consulted for client specific data entry		/		
3. Copy of prep sheet/checklist submitted		/		
4. NCM(s) submitted		/		

COMMENTS: ⑤ NCM - MS/MSD & Matrix.

REVIEWED BY: LW	DATA ENTERED BY: [Signature]
DATE: 12/10/12	DATE: 12/7/12

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.: _____

Batch Number: 67293 Batch Start Date: 12/04/12 15:00 Batch Analyst: Nicholas, CourtneyBatch Method: 3060A Batch End Date: 12/04/12 16:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	WCCHROME50PM2 00010	WCCHROME50PPM 00009	WCPBCHROMATE 00004	
ICV 240-67293/7		3060A, 7196A		2.5 g	100 mL	1 mL			
ICB 240-67293/8		3060A, 7196A		2.5 g	100 mL				
MB 240-67293/9		3060A, 7196A		2.5 g	100 mL				
LCSS 240-67293/10		3060A, 7196A		2.5 g	100 mL	1 mL			
LCSI 240-67293/11		3060A, 7196A		2.5 g	100 mL			0.01 g	
CCV 240-67293/12		3060A, 7196A		2.5 g	100 mL		1 mL		
CCB 240-67293/13		3060A, 7196A		2.5 g	100 mL				
240-17796-B-2-A	076SS-0022M-0001 -SO	3060A, 7196A	T	2.5 g	100 mL				

Batch Notes	
Alkaline Digestion Solution Reagent ID	755604
Batch Comment	sand 358918, filters FC003077
First End time	16:00
Potassium Phosphate Buffer Reagent ID	755603
Lead Chromate Lot #	358971
Magnesium Chloride Lot Number	575382
Pipette ID	377821
First Start time	15:00
Ending Temperature	95 Celsius
Starting Temperature	95 Celsius

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.: _____

Batch Number: 67491 Batch Start Date: 12/05/12 14:00 Batch Analyst: Grossman, LucasBatch Method: 7196A Batch End Date: 12/05/12 16:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg					
ICV 240-67293/7-A		7196A		Color Resp. is Blank					
ICB 240-67293/8-A		7196A		Color Resp. is Blank					
MB 240-67293/9-A		7196A		Color Resp. is Blank					
LCSS 240-67293/10-A		7196A		Color Resp. is Blank					
LCSI 240-67293/11-A		7196A		Color Resp. is Blank					
CCV 240-67293/12-A		7196A		Color Resp. is Blank					
CCB 240-67293/13-A		7196A		Color Resp. is Blank					
CCV 240-67293/12-A		7196A		Color Resp. is Blank					
CCB 240-67293/13-A		7196A		Color Resp. is Blank					
240-17796-B-2-F	076SS-0022M-0001 -SO	7196A	T	Color Resp. is Blank					
CCV 240-67293/12-A		7196A		Color Resp. is Blank					
CCB 240-67293/13-A		7196A		Color Resp. is Blank					

Batch Notes	
Batch Comment	Filters:703647
Spectrophotometer Cell Path Length	1 cm
Color Reagent ID Number	770426
Sulfuric Acid Reagent ID Number	754713

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.: _____

Batch Number: 66082 Batch Start Date: 11/23/12 10:25 Batch Analyst: Harshman, TomBatch Method: Moisture Batch End Date: 11/26/12 09:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
240-17796-D-1 DU	076SB-0023M-0001 -SO	Moisture	T	4.3840 g	7.2761 g	6.9462 g			
240-17796-D-1	076SB-0023M-0001 -SO	Moisture	T	4.3840 g	7.5943 g	7.2260 g			
240-17796-A-2	076SS-0022M-0001 -SO	Moisture	T	4.3840 g	14.8309 g	14.6829 g			
240-17796-D-3	076SB-0024M-0001 -SO	Moisture	T	4.3840 g	11.3683 g	10.3767 g			
240-17796-D-4	076SB-0025M-0001 -SO	Moisture	T	4.3840 g	9.4999 g	8.9702 g			
240-17796-D-5	076SB-0026M-0001 -SO	Moisture	T	4.3840 g	10.9077 g	10.0591 g			
240-17796-D-6	076SB-0027M-0001 -SO	Moisture	T	4.3840 g	10.4103 g	9.0349 g			
240-17796-D-7	076SB-0028M-0001 -SO	Moisture	T	4.3840 g	10.6852 g	9.7062 g			
240-17796-D-8	076SB-0029M-0001 -SO	Moisture	T	4.3840 g	10.5406 g	9.2570 g			
240-17796-A-9	076SB-0053M-0001 -SO	Moisture	T	4.3840 g	12.6099 g	12.4827 g			
240-17796-A-10 DU	076SS-0007M-0001 -SO	Moisture	T	4.3840 g	7.9324 g	7.8676 g			
240-17796-A-10	076SS-0007M-0001 -SO	Moisture	T	4.3840 g	9.2592 g	9.1705 g			
240-17796-A-11	076SB-0054M-0001 -SO	Moisture	T	4.3840 g	15.5980 g	15.4857 g			
240-17796-A-12	076SB-0055M-0001 -SO	Moisture	T	4.3840 g	16.8951 g	16.7509 g			
240-17796-A-13	076SB-0056M-0001 -SO	Moisture	T	4.3840 g	15.0819 g	14.9630 g			
240-17796-A-14	076SB-0057M-0001 -SO	Moisture	T	4.3840 g	16.5491 g	16.4159 g			
240-17796-A-15	076SB-0058M-0001 -SO	Moisture	T	4.3840 g	18.2166 g	18.0525 g			
240-17796-A-16	076SB-0059M-0001 -SO	Moisture	T	4.3840 g	15.6749 g	15.5465 g			
240-17796-D-22	076SB-0060M-0001 -SO	Moisture	T	4.3840 g	10.3686 g	9.0830 g			
240-17796-D-23	076SB-0061M-0001 -SO	Moisture	T	4.3840 g	18.5547 g	16.7627 g			
240-17796-D-24 DU	076SB-0062M-0001 -SO	Moisture	T	4.3840 g	7.8149 g	7.3077 g			
240-17796-D-24	076SB-0062M-0001 -SO	Moisture	T	4.3840 g	7.3542 g	6.9145 g			
240-17796-D-25	076SB-0063M-0001 -SO	Moisture	T	4.3840 g	10.2498 g	9.0909 g			

Moisture

Page 1 of 2

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.: _____

Batch Number: 66082 Batch Start Date: 11/23/12 10:25 Batch Analyst: Harshman, TomBatch Method: Moisture Batch End Date: 11/26/12 09:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
240-17796-D-26	076SB-0064M-0001 -SO	Moisture	T	4.3840 g	9.8705 g	9.2075 g			
240-17796-D-27	076SB-0065M-0001 -SO	Moisture	T	4.3840 g	10.5068 g	9.2730 g			
240-17796-A-28	076SB-0066M-0001 -SO	Moisture	T	4.3840 g	10.5148 g	9.2996 g			
240-17796-A-29	076SB-0044M-0001 -SO	Moisture	T	4.3840 g	14.0730 g	13.9028 g			
240-17796-A-30	076SB-0045M-0001 -SO	Moisture	T	4.3840 g	14.9323 g	14.7925 g			
240-17796-A-31	076SB-0046M-0001 -SO	Moisture	T	4.3840 g	13.6369 g	13.4968 g			
240-17796-A-32	076SB-0047M-0001 -SO	Moisture	T	4.3840 g	13.9523 g	13.7724 g			
240-17796-A-33 DU	076SB-0048M-0001 -SO	Moisture	T	4.3840 g	9.0213 g	8.9382 g			
240-17796-A-33	076SB-0048M-0001 -SO	Moisture	T	4.3840 g	10.6621 g	10.5504 g			
240-17796-A-34	076SB-0049M-0001 -SO	Moisture	T	4.3840 g	15.0289 g	14.8592 g			
240-17796-A-35	076SB-0050M-0001 -SO	Moisture	T	4.3840 g	16.1196 g	16.0135 g			
240-17796-A-36	076SB-0051M-0001 -SO	Moisture	T	4.3840 g	18.5769 g	15.5077 g			

Batch Notes	
Balance ID	B047 No Unit
Date samples were placed in the oven	11/23/12
Oven Temp when samples are put in oven	103.5 Degrees C
Time samples were place in the oven	15:26
Date samples were removed from oven	11/26/12
Time Samples were removed from oven	5:45
Oven ID	002
ID number of the thermometer	tempguard Box C # 6
Uncorrected Out Temperature	103.3 Celsius

Basis	Basis Description
T	Total/NA

Moisture

Page 2 of 2

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1

SDG No.: _____

Batch Number: 6877 Batch Start Date: 12/05/12 06:29 Batch Analyst: Phan, TuanBatch Method: 353.2 (NCell) Batch End Date: 12/05/12 12:50

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	HPNCSP 00007			
MB 320-6877/1		353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050		100 mL	45 mL				
LCS 320-6877/2		353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050		100 mL	45 mL	1 mL			
240-17796-O-17	076SW-0013-0001-SW	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	100 mL	45 mL				
240-17796-O-17-MS	076SW-0013-0001-SW	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	100 mL	45 mL	1 mL			
240-17796-O-17-MSD	076SW-0013-0001-SW	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	100 mL	45 mL	1 mL			
240-17796-E-18	076SW-0014-0001-SW	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	100 mL	45 mL				
240-17796-E-19	076SW-0015-0001-SW	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	100 mL	45 mL				
240-17796-L-20	076-0067-0001-ER	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	100 mL	45 mL				

Batch Notes	
Acetone Lot #	ACETONE_00004
Batch Comment	BRIJ SOLUTION SIGMA 100M6013
Centrifuge Tube	2195825
Membrane Filter	MILLIPORE R1NA37391
Millipore Water Dispense Date	12/5/12

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1

SDG No.: _____

Batch Number: 6877 Batch Start Date: 12/05/12 06:29 Batch Analyst: Phan, TuanBatch Method: 353.2 (NCell) Batch End Date: 12/05/12 12:50

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1

SDG No.: _____

Batch Number: 6938 Batch Start Date: 12/05/12 14:29 Batch Analyst: Reed, Jonathan EBatch Method: 353.2 (NCell) Batch End Date: 12/05/12 20:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	HPNCSP 00007			
MB 320-6938/1		353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050		10.00 g	45 mL				
LCS 320-6938/2		353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050		10.00 g	45 mL	1 mL			
240-17796-C-2	076SS-0022M-0001 -SO	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	1.08 g	45 mL				
240-17796-C-2 MS	076SS-0022M-0001 -SO	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	1.02 g	45 mL	1 mL			
240-17796-C-2 MSD	076SS-0022M-0001 -SO	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	1.05 g	45 mL	1 mL			
240-17796-C-9	076SB-0053M-0001 -SO	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	1.04 g	45 mL				
240-17796-C-10	076SS-0007M-0001 -SO	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	1.13 g	45 mL				
240-17796-C-11	076SB-0054M-0001 -SO	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	1.08 g	45 mL				
240-17796-C-12	076SB-0055M-0001 -SO	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	1.08 g	45 mL				
240-17796-C-13	076SB-0056M-0001 -SO	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	1.01 g	45 mL				
240-17796-C-14	076SB-0057M-0001 -SO	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	0.99 g	45 mL				

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1

SDG No.: _____

Batch Number: 6938 Batch Start Date: 12/05/12 14:29 Batch Analyst: Reed, Jonathan EBatch Method: 353.2 (NCell) Batch End Date: 12/05/12 20:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	HPNCSP 00007			
240-17796-C-15	076SB-0058M-0001 -SO	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	1.07 g	45 mL				
240-17796-C-16	076SB-0059M-0001 -SO	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	1.03 g	45 mL				
240-17796-C-29	076SB-0044M-0001 -SO	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	0.99 g	45 mL				
240-17796-C-30	076SB-0045M-0001 -SO	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	1.01 g	45 mL				
240-17796-C-31	076SB-0046M-0001 -SO	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	1.06 g	45 mL				
240-17796-C-32	076SB-0047M-0001 -SO	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	1.00 g	45 mL				
240-17796-C-33	076SB-0048M-0001 -SO	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	0.98 g	45 mL				
240-17796-C-34	076SB-0049M-0001 -SO	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	0.99 g	45 mL				
240-17796-C-35	076SB-0050M-0001 -SO	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	1.09 g	45 mL				
240-17796-C-36	076SB-0051M-0001 -SO	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	1.04 g	45 mL				

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1

SDG No.: _____

Batch Number: 6938 Batch Start Date: 12/05/12 14:29 Batch Analyst: Reed, Jonathan EBatch Method: 353.2 (NCell) Batch End Date: 12/05/12 20:00

Batch Notes	
1:1 MeOH/H2O	HPMeOH/H2O_00003
Acetone Lot #	Acetone_00004
Centrifuge Tube	2195825

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1

SDG No.: _____

Batch Number: 6966 Batch Start Date: 12/06/12 06:00 Batch Analyst: Phan, TuanBatch Method: 353 (NCell-Hyd) Batch End Date: 12/06/12 08:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount				
MB 320-6877/1-A		353 (NCell-Hyd), WS-WC-0050		45 mL	40 mL				
LCS 320-6877/2-A		353 (NCell-Hyd), WS-WC-0050		45 mL	40 mL				
240-17796-O-17-A	076SW-0013-0001-SW	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				
240-17796-O-17-B MS	076SW-0013-0001-SW	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				
240-17796-O-17-C MSD	076SW-0013-0001-SW	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				
240-17796-E-18-A	076SW-0014-0001-SW	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				
240-17796-E-19-A	076SW-0015-0001-SW	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				
240-17796-L-20-A	076-0067-0001-ER	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				

Batch Notes	
0.45 Filter Vendor/Lot	MILLIPORE R2DA02309
Batch Comment	BRIJ SOLUTION SIGMA 100M6013
Centrifuge Tube	2195825
Sulfuric Acid Lot Number	SULFURIC ACID_00001
Millipore Water Dispense Date	12/5/12
NaOH Lot #	SODIUM HYDROX_00001

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1

SDG No.: _____

Batch Number: 6967 Batch Start Date: 12/06/12 06:13 Batch Analyst: Phan, TuanBatch Method: 353 (NCell-Hyd) Batch End Date: 12/06/12 09:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount				
MB 320-6938/1-A		353 (NCell-Hyd), WS-WC-0050		45 mL	40 mL				
LCS 320-6938/2-A		353 (NCell-Hyd), WS-WC-0050		45 mL	40 mL				
240-17796-C-2-G	076SS-0022M-0001 -SO	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				
240-17796-C-2-H MS	076SS-0022M-0001 -SO	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				
240-17796-C-2-I MSD	076SS-0022M-0001 -SO	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				
240-17796-C-9-C	076SB-0053M-0001 -SO	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				
240-17796-C-10-C	076SS-0007M-0001 -SO	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				
240-17796-C-11-C	076SB-0054M-0001 -SO	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				
240-17796-C-12-C	076SB-0055M-0001 -SO	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				
240-17796-C-13-C	076SB-0056M-0001 -SO	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				
240-17796-C-14-C	076SB-0057M-0001 -SO	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				
240-17796-C-15-C	076SB-0058M-0001 -SO	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				
240-17796-C-16-C	076SB-0059M-0001 -SO	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				
240-17796-C-29-C	076SB-0044M-0001 -SO	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				
240-17796-C-30-C	076SB-0045M-0001 -SO	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1

SDG No.: _____

Batch Number: 6967 Batch Start Date: 12/06/12 06:13 Batch Analyst: Phan, TuanBatch Method: 353 (NCell-Hyd) Batch End Date: 12/06/12 09:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount				
240-17796-C-31-C	076SB-0046M-0001-SO	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				
240-17796-C-32-C	076SB-0047M-0001-SO	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				
240-17796-C-33-C	076SB-0048M-0001-SO	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				
240-17796-C-34-C	076SB-0049M-0001-SO	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				
240-17796-C-35-C	076SB-0050M-0001-SO	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				
240-17796-C-36-C	076SB-0051M-0001-SO	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				

Batch Notes	
0.45 Filter Vendor/Lot	MILLIPORE R2DA02309
Centrifuge Tube	2195825
Sulfuric Acid Lot Number	SULFURIC ACID_00001
Millipore Water Dispense Date	11/26/12
NaOH Lot #	SODIUM HYDROX_00001

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1

SDG No.: _____

Batch Number: 7008 Batch Start Date: 12/06/12 12:21 Batch Analyst: Baynes, JasonBatch Method: WS-WC-0050 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	WC-353.2-ICV 00010	WC-353.2-L1 00011	WC-353.2-L4 00008			
ICV 320-7008/8		WS-WC-0050		# mL					
MRL 320-7008/10		WS-WC-0050			# mL				
MRL 320-7008/20		WS-WC-0050			# mL				
CCV 320-7008/21		WS-WC-0050				# mL			
MRL 320-7008/34		WS-WC-0050			# mL				
CCV 320-7008/35		WS-WC-0050				# mL			
MRL 320-7008/44		WS-WC-0050			# mL				
CCV 320-7008/45		WS-WC-0050				# mL			
MRL 320-7008/58		WS-WC-0050			# mL				
CCV 320-7008/59		WS-WC-0050				# mL			

Batch Notes	
Nitrocellulose Assay	0.119
Color Reagent 1 ID	4525-WC-14-2 e. 2/2/13
NO2/NO3 Indicator ID #	4525-WC-16-1 e. 12/3/13

Basis	Basis Description

Subcontract Data

Shipping and Receiving Documents

Chain of Custody Record

TestAmerica Laboratory location: ☐ DW ☐ NPDES ☐ RCRA ☐ Other ☐

Company Name: ECC Address: 33 Barton Post Rd Unit 11 City/State/Zip: MA 01702 Phone: 978 338-1111		Client Project Manager: AL EASTMAN Telephone: Email:		Site Contact: J. Donovan Telephone: Analyses: VOC, SVOC, TAL METALS, P/O SOLID, EXPLOSIVES, P/OBILANTS, HEX, C/HROM.		Lab Contact: MARK LOEG Telephone: Analyses: VOC, SVOC, TAL METALS, P/O SOLID, EXPLOSIVES, P/OBILANTS, HEX, C/HROM.		COC No: 048703 1 of 3 COCs	
Project Name: Project Number:		Method of Shipment/Carrier: LAB PICK UP Shipping/Tracking No.:		Analysis Turnaround Time (in business days): ☒ 3 weeks ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day		Container & Preservation: TAT if different (in business days): ☐ 3 weeks ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day		Sample Disposal: (A fee may be assessed if samples are retained longer than 1 month) ☐ Return to Client ☐ Disposal By Lab ☐ Archive For _____ Months	
PO #		Sample Identification		Matrix: Air, Aqueous, Sediment, Solid, Other		Containers & Preservation: H2SO4, HNO3, HCl, NaOH, ZnAc, LiPres, Other		Sample Specific Notes / Special Instructions:	
Sample Date		Sample Time		Sample Disposal		Sample Disposal		Sample Disposal	
0765B-0023M-0001-50		11-15-12 0915		X		X		X	
0765S-0022M-0001-50		1225		X		X		X	
0765B-0024M-0001-50		1020		X		X		X	
0765B-0025M-0001-50		0900		X		X		X	
0765B-0026M-0001-50		0920		X		X		X	
0765B-0027M-0001-50		0940		X		X		X	
0765B-0028M-0001-50		1000		X		X		X	
0765B-0029M-0001-50		1025		X		X		X	
0765S-0022M-0001-50		1225		X		X		X	
0765B-0030M-0001-50		1005		X		X		X	

* For sample 0765S-0022M-0001-50 PLEASE HOLD HEX CHROM. ANALYSIS UNTIL TOTAL CHROMIUM RESULTS FIRST
 CONCENTRATIONS ARE KNOWN - PLEASE CALL JACKSON KILGORE AT TOTAL CHROMIUM RESULTS FIRST

Relinquished by: G. Don	Relinquished by: BCC	Date/Time: 11-16-12 1740	Date/Time: 11-16-12 1740
Relinquished by: PC	Relinquished by: TAL-AC	Date/Time: 11-16-12 1812	Date/Time: 11-16-12 1842
Relinquished by: PC	Relinquished by: TAL-AC	Date/Time: 11-16-12 1842	Date/Time: 11-16-12 1842

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location:
Regulatory program:

[illegible]

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TAL 0018-1 (04/10)

Chain of Custody Record

TestAmerica Laboratory location: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

Client Contact Company Name: <u>Becc</u> Address: <u>33 Boston Pk. Apt 420</u> City/State/Zip: <u>MA 02108</u> Phone: <u>617-267-0000</u>		Client Project Manager: Name: <u>John</u> Telephone: <u>617-267-0000</u> Email: <u>john@becc.com</u>		Site Contact: Name: <u>John</u> Telephone: <u>617-267-0000</u>		Lab Contact: Name: <u>Maria Lopez</u> Telephone: <u>617-267-0000</u>		TestAmerica Laboratories, Inc. COC No: <u>048707</u> 3 of 3 COCs	
Sample Identification Sample Name: <u>076 SW-0013-0001-SW</u> Project Number: <u>076 SW-0013-0001-SW</u> PO #: <u>076 SW-0013-0001-SW</u>		Method of Shipment/Carrier: <u>UPS PICKUP</u>		Analysis Turnaround Time (at business): ☒ 3 weeks ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day		Analyses VOC ☒ PCB ☒ PAHs ☒ PEST ☒ METAL ☒ TOC ☒		Sample Specific Notes / Special Instructions: <u>ASAP</u>	
Sample Date <u>11/15/12</u>		Sample Time <u>1400</u>		Containers & Preservatives Matrix: ☒ Aqueous ☐ Solid ☐ Other: <u>None</u> Containers: ☒ NaOH ☐ HCl ☐ HNO3 ☐ H2SO4 ☐ Other: <u>None</u>		Filtered Sample (X/N) ☒ X ☐ N		Composites (X/N) ☒ X ☐ N	
<u>076 SW-0013-0001-SW</u>		<u>11/15/12 1400</u>		☒ X ☐ N		☒ X ☐ N		☒ X ☐ N	
<u>076 SW-0013-0002-SW</u>		<u>11/15/12 1400</u>		☒ X ☐ N		☒ X ☐ N		☒ X ☐ N	
<u>076 SW-0014-0001-SW</u>		<u>11/15/12 1500</u>		☒ X ☐ N		☒ X ☐ N		☒ X ☐ N	
<u>076 SW-0015-0001-SW</u>		<u>11/15/12 1530</u>		☒ X ☐ N		☒ X ☐ N		☒ X ☐ N	
<u>076-0067-0001-ER</u>		<u>11/15/12 1300</u>		☒ X ☐ N		☒ X ☐ N		☒ X ☐ N	
<u>076-0068-0001-TB</u>		<u>11/15/12 0800</u>		☒ X ☐ N		☒ X ☐ N		☒ X ☐ N	

Chain of Custody Record

TestAmerica Laboratory location: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

Company Name: FCE Address: 33 BOSTON POST RD WIL City/State/Zip: MA 01722 Phone: Project Name: Project Number:		Client Project Manager: AL CASTRUPAC Telephone: Email:		Site Contact: J. Donovan Telephone:		Lab Contact: MARK LORR Telephone:		COC No: 048706 of 5 COCs			
PO #		Sample Identification		Matrix: Air ☐ Sediment ☐ Solid ☐ Other: ☐		Containers & Preservatives: H2SO4 ☐ HNO3 ☐ HCl ☐ ZnAc ☐ NaOH ☐ Unpres ☐ Other: ☐		Analysis: VOC ☐ EXPLOSIVES ☐ SVOC ☐			
Sample Date		Sample Time		Analysis: VOC ☐ EXPLOSIVES ☐ SVOC ☐		For use only: Wait in effect ☐ Pass pickup ☐ Pass sample ☐ For SIG No:		Sample Specific Notes / Special Instructions:			
0765B-0044m-0001-50 0765A-0045m-0001-50 0765B-0046m-0001-50 0765A-0047m-0001-50 0765B-0048m-0001-50 0765B-0049m-0001-50 0765B-0050m-0001-50 0765B-0051-0001-50 0765B-0052-0001-TB		11-15-12 1225 1225 1050 1111 1140 1205 1230 1210 11-15-12 0800		X X X X X X X X X		X X X X X X X X X		Do NOT DR Do NOT DR Do NOT DR Do NOT DR Do NOT DR Do NOT DR Do NOT DR Do NOT DR Do NOT DR		TRAP BLK TRAP BLK TRAP BLK TRAP BLK TRAP BLK TRAP BLK TRAP BLK TRAP BLK TRAP BLK	
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown											
Special Instructions/QC Requirements & Comments: DO NOT DR SAMPLE 0765B-0051-0001-50 THIS IS A DISCRETE COMPOSITE SAMPLE, NOT 15M - THANKS!											
Relinquished by: [Signature] Date/Time: 11-15-12 1740		Received by: [Signature] Date/Time: 11-15-12 1740		Company: FCE Date/Time: 11-15-12 1740		Company: TALAC Date/Time: 11-15-12 1740		Company: TALAC Date/Time: 11-15-12 1740			
Relinquished by: [Signature] Date/Time: 11-16-12 1842		Received by: [Signature] Date/Time: 11-16-12 1842		Company: TALAC Date/Time: 11-16-12 1842		Company: TALAC Date/Time: 11-16-12 1842		Company: TALAC Date/Time: 11-16-12 1842			
Relinquished by: [Signature] Date/Time: 11-16-12 1842		Received by: [Signature] Date/Time: 11-16-12 1842		Company: TALAC Date/Time: 11-16-12 1842		Company: TALAC Date/Time: 11-16-12 1842		Company: TALAC Date/Time: 11-16-12 1842			

Login # : 1790

Login # : 1790

Client ECC

Site Name

By: Werry Burns

(Signature)

Cooler Received on 11/16/12

Opened on 11/17/12

FedEx: 1st Grd Exp UPS FAS Stetson Client Drop Off TestAmerica Courier Other _____

TestAmerica Cooler # Foam Box Client Cooler Box Other Multiple

Packing material used. Bubble Wrap Foam Plastic Bag None Other _____

COOLANT: ☒ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ Water ☐ None

1. Cooler temperature upon receipt

IR GUN# 1 (CF -2 °C) Observed Sample Temp. _____ °C Corrected Sample Temp. _____ °C

IR GUN# 4G (CF 0 °C) Observed Sample Temp. _____ °C Corrected Sample Temp. _____ °C

IR GUN# 5G (CF 0 °C) Observed Sample Temp. _____ °C Corrected Sample Temp. _____ °C

IR GUN#8 (CF 0 °C) Observed Sample Temp. _____ °C Corrected Sample Temp. _____ °C

☒ Multiple on Back

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity

-Were custody seals on the outside of the cooler(s) signed & dated? Yes No NA

-Were custody seals on the bottle(s)? Yes ☒ No

3. Shippers' packing slip attached to the cooler(s)?

4. Did custody papers accompany the sample(s)? ☒ Yes ☐ No

5. Were the custody papers relinquished & signed in the appropriate place? Yes No

6. Did all bottles arrive in good condition (Unbroken)? Yes No

7. Could all bottle labels be reconciled with the COC? Yes No

8. Were correct bottle(s) used for the test(s) indicated? Yes No

9. Sufficient quantity received to perform indicated analyses? Yes No

10. Were sample(s) at the correct pH upon receipt? Yes No NA

11. Were VOAs on the COC? Yes No

12. Were air bubbles >6 mm in any VOA vials? Yes ☐ No ☒ NA ☐

13. Was a trip blank present in the cooler(s)? Yes No

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other _____

Concerning

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

15. SAMPLE CONDITION

Sample(s) were received after the recommended holding time had expired.

Sample(s)	were received in a broken container.

Sample(s)	were received with bubble >6 mm in diameter. (Notify PM)

Sample(s) _____ were further preserved in Sample Receiving to meet recommended pH level(s). Nitric Acid Lot# 031512-HNO₃; Sulfuric Acid Lot# 051012-H₂SO₄; Sodium Hydroxide Lot# 121809-NaOH; Hydrochloric Acid Lot# 041911-HCl; Sodium Hydroxide and Zinc Acetate Lot# 100108-(CH₃COO)₂ZN/NaOH. What time was preservative added to sample(s)? _____

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Login Sample Receipt Checklist

Client: Environmental Chemical Corp.

Job Number: 240-17796-1

Login Number: 17796
List Number: 1
Creator: Cortes, Cesar C

List Source: TestAmerica West Sacramento
List Creation: 11/20/12 10:24 AM

Question	Answer	Comment
Radioactivity wasn't checked or is <= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	1.1
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Environmental Chemical Corp.

Job Number: 240-17796-1

Login Number: 17796

List Number: 2

Creator: Mantri, Anil

List Source: TestAmerica West Sacramento

List Creation: 11/27/12 11:02 AM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	2.9
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ ($1/4"$).	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Environmental Chemical Corp.

Job Number: 240-17796-1

Login Number: 17796
List Number: 3
Creator: Sadler, Jeremy

List Source: TestAmerica West Sacramento
List Creation: 11/29/12 07:48 AM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ ($1/4''$).	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	