

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1
 SDG No.: _____
 Lab Sample ID: ICV 320-14686/11 Calibration Date: 04/19/2013 17:18
 Instrument ID: LC10 Calib Start Date: 04/19/2013 10:45
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 04/19/2013 15:51
 Lab File ID: S000012.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	125.5	127.8		510	500	1.9	20.0
RDX	Ave	90.99	86.18		474	500	-5.3	20.0
Ethylene glycol dinitrate	Ave	110.5	110.3		499	500	-0.2	20.0
Picric acid	Ave	132.3	118.8		898	1000	-10.2	20.0
1,3,5-Trinitrobenzene	Ave	163.5	160.0		489	500	-2.2	20.0
1,3-Dinitrobenzene	Ave	162.2	156.0		481	500	-3.8	20.0
3,5-Dinitroaniline	Ave	103.6	106.1		512	500	2.4	20.0
Tetryl	Ave	94.63	101.1		534	500	6.9	20.0
Nitrobenzene	Ave	71.37	71.57		501	500	0.3	20.0
Nitroglycerin	Ave	70.31	72.89		518	500	3.7	20.0
2,4,6-Trinitrotoluene	Ave	95.40	97.48		511	500	2.2	20.0
4-Amino-2,6-dinitrotoluene	Ave	78.37	74.63		476	500	-4.8	20.0
2-Amino-4,6-dinitrotoluene	Ave	84.03	82.50		491	500	-1.8	20.0
2,6-Dinitrotoluene	Ave	59.83	59.43		497	500	-0.7	20.0
2,4-Dinitrotoluene	Ave	98.79	96.58		489	500	-2.2	20.0
2-Nitrotoluene	Ave	42.45	41.54		489	500	-2.1	20.0
4-Nitrotoluene	Ave	53.10	50.53		476	500	-4.8	20.0
3-Nitrotoluene	Ave	52.01	50.02		481	500	-3.8	20.0
PETN	Ave	39.35	39.63		504	500	0.7	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1
 SDG No.: _____
 Lab Sample ID: ICV 320-14686/11 Calibration Date: 04/19/2013 17:18
 Instrument ID: LC10 Calib Start Date: 04/19/2013 10:45
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 04/19/2013 15:51
 Lab File ID: S000012.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.18	4.93	5.43
RDX	7.41	7.15	7.65
Ethylene glycol dinitrate	8.08	7.81	8.31
Picric acid	8.42	8.22	8.72
1,3,5-Trinitrobenzene	9.66	9.39	9.89
1,3-Dinitrobenzene	12.24	11.96	12.46
3,5-Dinitroaniline	12.98	12.69	13.19
Tetryl	13.27	12.97	13.47
Nitrobenzene	13.93	13.63	14.13
Nitroglycerin	14.47	14.17	14.67
2,4,6-Trinitrotoluene	15.34	15.04	15.54
4-Amino-2,6-dinitrotoluene	15.90	15.59	16.09
2-Amino-4,6-dinitrotoluene	16.87	16.55	17.05
2,6-Dinitrotoluene	18.38	18.06	18.56
2,4-Dinitrotoluene	19.02	18.70	19.20
2-Nitrotoluene	22.24	21.90	22.40
4-Nitrotoluene	23.87	23.52	24.02
3-Nitrotoluene	25.68	25.31	25.81
PETN	27.61	27.24	27.74

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000012.D
 Lims ID: ICV Client ID:
 Inject. Date: 19-Apr-2013 17:18:19 Dil. Factor: 1.0000
 Sample Type: ICV
 Sample ID: 320-0003998-011
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 20
 Lims Batch ID: 14686 Lims Sample ID: 11
 Sublist:

Method: \\SACChrom\ChromData\LC10\20130419-3998.b\8330_LC10.m
 Last Update: 23-Apr-2013 12:51:40 Calib Date: 19-Apr-2013 15:51:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK035

First Level Reviewer: shafern

Date: 22-Apr-2013 09:40:12

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

1 5.178 5.177 0.001 63923 509.5

19 RDX

1 7.411 7.397 0.014 43089 473.5

3 Ethylene glycol dinitrate

2 8.078 8.061 0.017 55155 499.1

10 2,4,6-Trinitrophenol

2 8.424 8.471 -0.047 118777 898.1

1 8.424 8.471 -0.047 81268 882.1

27 1,3,5-Trinitrobenzene

1 9.661 9.644 0.017 79976 489.0

24 1,3-Dinitrobenzene

1 12.241 12.211 0.030 78004 480.8

9 3,5-Dinitroaniline

1 12.978 12.941 0.037 53040 511.8

20 Tetryl

1 13.265 13.221 0.044 50558 534.3

5 Nitrobenzene

1 13.928 13.884 0.044 35787 501.4

7 Nitroglycerin

2 14.468 14.418 0.050 36447 518.4

25 2,4,6-Trinitrotoluene

1 15.338 15.291 0.047 48742 510.9

26 4-Amino-2,6-dinitrotoluene

1 15.895 15.838 0.057 37317 476.2

6 2-Amino-4,6-dinitrotoluene

1 16.865 16.801 0.064 41248 490.9

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
12 2,6-Dinitrotoluene						
1	18.375	18.308	0.067	29716	496.6	
23 2,4-Dinitrotoluene						
1	19.018	18.948	0.070	48292	488.8	
16 o-Nitrotoluene						
1	22.241	22.151	0.090	20772	489.4	
15 p-Nitrotoluene						
1	23.868	23.768	0.100	25267	475.8	
8 m-Nitrotoluene						
1	25.678	25.564	0.114	25008	480.8	
21 PETN						
2	27.608	27.491	0.117	19815	503.6	

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000012.D

Injection Date: 19-Apr-2013 17:18:19

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 14686

Lims Sample ID: 11

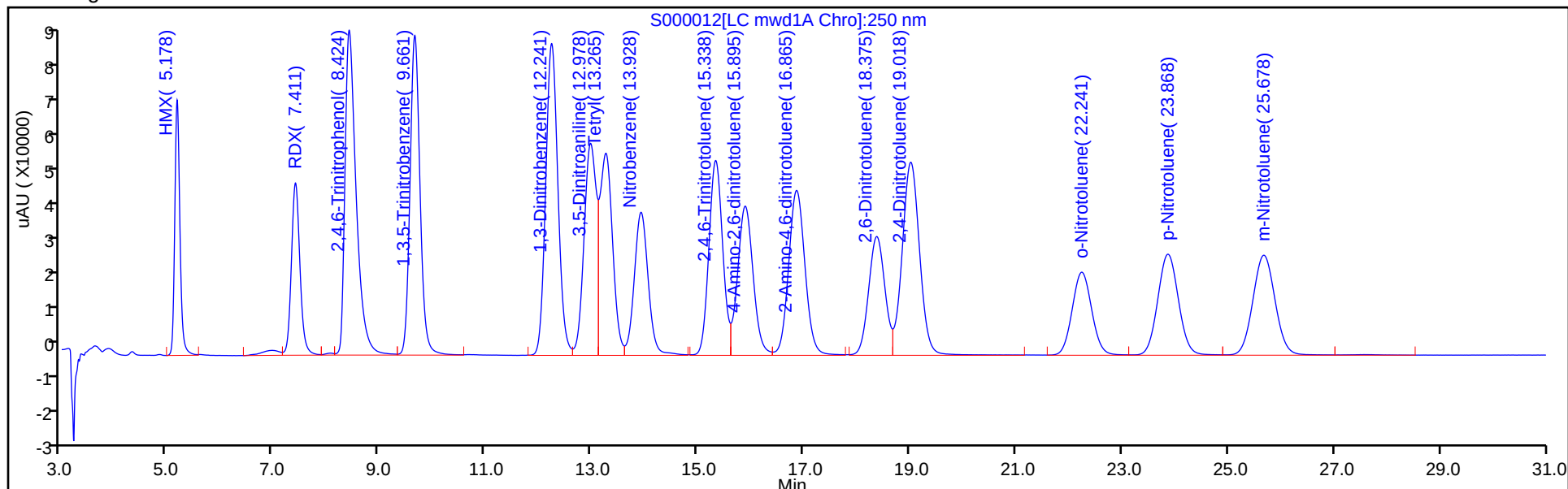
Operator ID: RN

Injection Vol: 500.0 ul

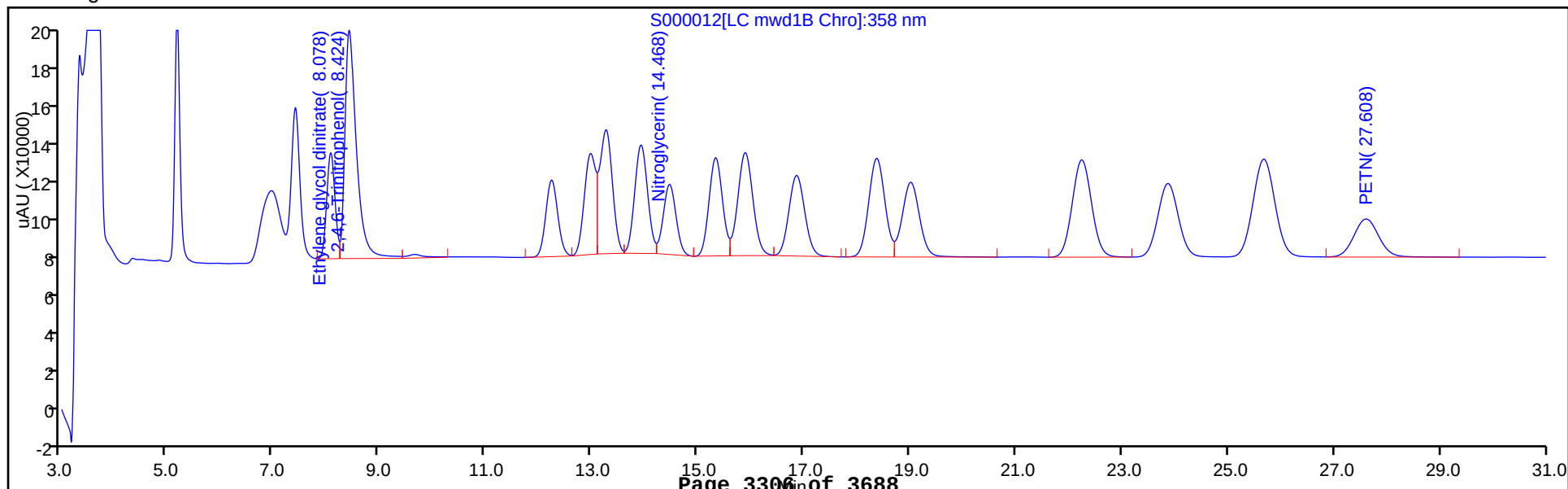
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1
 SDG No.: _____
 Lab Sample ID: LODV 320-14686/12 Calibration Date: 04/19/2013 18:02
 Instrument ID: LC10 Calib Start Date: 04/19/2013 10:45
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 04/19/2013 15:51
 Lab File ID: S000013.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	125.5	179.6		7.16	5.00	43.2	
RDX	Ave	90.99	149.8		8.23	5.00	64.6	
1,3,5-Trinitrobenzene	Ave	163.5	236.8		7.24	5.00	44.8	
1,3-Dinitrobenzene	Ave	162.2	235.2		7.25	5.00	45.0	
3,5-Dinitroaniline	Ave	103.6	152.4		7.35	5.00	47.1	
Tetryl	Ave	94.63	133.0		7.03	5.00	40.5	
Nitrobenzene	Ave	71.37	102.4		7.17	5.00	43.5	
Nitroglycerin	Ave	70.31	73.80		21.0	20.0	5.0	
2,4,6-Trinitrotoluene	Ave	95.40	135.6		7.11	5.00	42.1	
4-Amino-2,6-dinitrotoluene	Ave	78.37	115.4		7.36	5.00	47.3	
2-Amino-4,6-dinitrotoluene	Ave	84.03	121.0		7.20	5.00	44.0	
2,6-Dinitrotoluene	Ave	59.83	89.60		7.49	5.00	49.7	
2,4-Dinitrotoluene	Ave	98.79	144.4		7.31	5.00	46.2	
2-Nitrotoluene	Ave	42.45	60.60		7.14	5.00	42.8	
4-Nitrotoluene	Ave	53.10	76.20		7.18	5.00	43.5	
3-Nitrotoluene	Ave	52.01	77.80		7.48	5.00	49.6	
PETN	Ave	39.35	43.10		21.9	20.0	9.5	
3,4-Dinitrotoluene	Ave	57.22	56.50		19.7	20.0	-1.3	

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1
 SDG No.: _____
 Lab Sample ID: LODV 320-14686/12 Calibration Date: 04/19/2013 18:02
 Instrument ID: LC10 Calib Start Date: 04/19/2013 10:45
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 04/19/2013 15:51
 Lab File ID: S000013.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.18	4.93	5.43
RDX	7.41	7.15	7.65
1,3,5-Trinitrobenzene	9.67	9.39	9.89
1,3-Dinitrobenzene	12.23	11.96	12.46
3,5-Dinitroaniline	12.98	12.69	13.19
Tetryl	13.26	12.97	13.47
Nitrobenzene	13.93	13.63	14.13
Nitroglycerin	14.45	14.17	14.67
2,4,6-Trinitrotoluene	15.32	15.04	15.54
4-Amino-2,6-dinitrotoluene	15.89	15.59	16.09
2-Amino-4,6-dinitrotoluene	16.84	16.55	17.05
2,6-Dinitrotoluene	18.36	18.06	18.56
2,4-Dinitrotoluene	19.03	18.70	19.20
2-Nitrotoluene	22.24	21.90	22.40
4-Nitrotoluene	23.88	23.52	24.02
3-Nitrotoluene	25.66	25.31	25.81
PETN	27.60	27.24	27.74
Ethylene glycol dinitrate			
Picric acid			
3,4-Dinitrotoluene	16.32	16.02	16.52

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000013.D
 Lims ID: LODV 5-20ng/mL Client ID:
 Inject. Date: 19-Apr-2013 18:02:05 Dil. Factor: 1.0000
 Sample Type: LODV
 Sample ID: 320-0003998-012
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 10
 Lims Batch ID: 14686 Lims Sample ID: 12
 Method: \\SACChrom\ChromData\LC10\20130419-3998.b\8330_LC10.m
 Last Update: 23-Apr-2013 12:51:40 Calib Date: 19-Apr-2013 15:51:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK035

First Level Reviewer: shafern

Date:

22-Apr-2013 07:58:44

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.183	5.177	0.006	898	7.16	
19 RDX						
1	7.409	7.397	0.012	749	8.23	
27 1,3,5-Trinitrobenzene						
1	9.666	9.644	0.022	1184	7.24	
24 1,3-Dinitrobenzene						
1	12.233	12.211	0.022	1176	7.25	
9 3,5-Dinitroaniline						
1	12.976	12.941	0.035	762	7.35	
20 Tetryl						
1	13.256	13.221	0.035	665	7.03	
5 Nitrobenzene						M
1	13.926	13.884	0.042	512	7.17	M
7 Nitroglycerin						
2	14.449	14.418	0.031	1476	21.0	
25 2,4,6-Trinitrotoluene						
1	15.323	15.291	0.032	678	7.11	
26 4-Amino-2,6-dinitrotoluene						
1	15.893	15.838	0.055	577	7.36	
\$ 30 3,4-Dinitrotoluene						
1	16.316	16.271	0.045	1130	19.7	
2	16.323	16.274	0.049	2131	19.9	
6 2-Amino-4,6-dinitrotoluene						
1	16.843	16.801	0.042	605	7.20	
12 2,6-Dinitrotoluene						
1	18.363	18.308	0.055	448	7.49	
23 2,4-Dinitrotoluene						
1	19.029	18.948	0.081	722	7.31	

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000013.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
16 o-Nitrotoluene						M
1	22.243	22.151	0.092	303	7.14	M
15 p-Nitrotoluene						M
1	23.876	23.768	0.108	381	7.18	M
8 m-Nitrotoluene						
1	25.663	25.564	0.099	389	7.48	
21 PETN						
2	27.603	27.491	0.112	862	21.9	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 23-Apr-2013 12:51:46

Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000013.D

Injection Date: 19-Apr-2013 18:02:05

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 14686

Lims Sample ID: 12

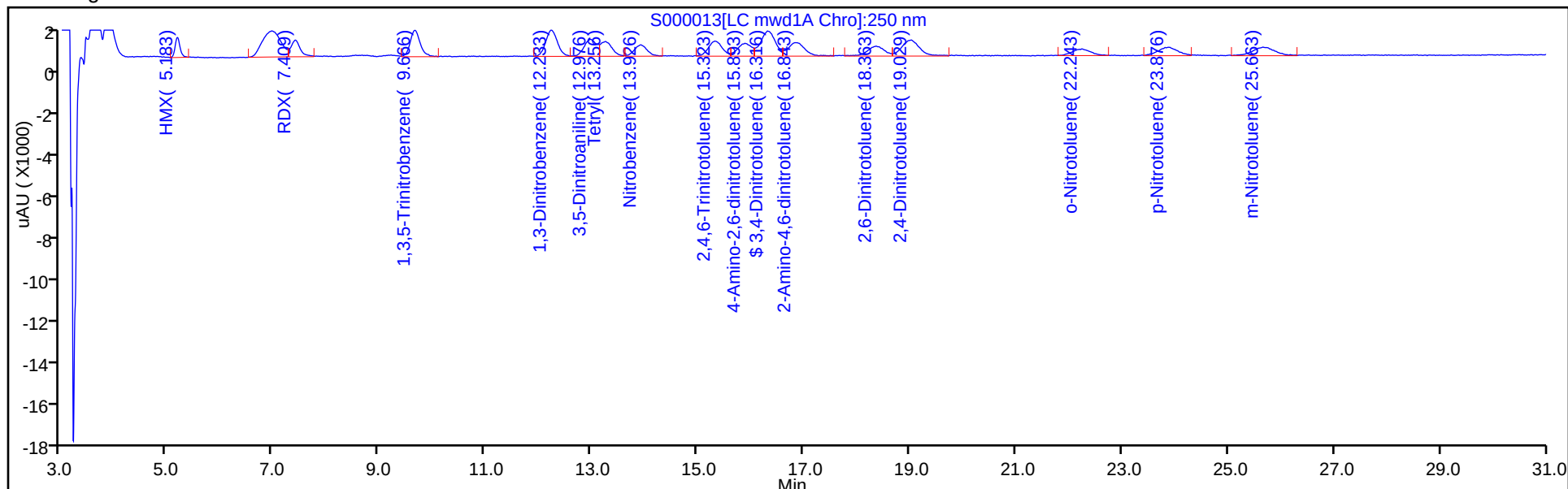
Operator ID: RN

Injection Vol: 500.0 ul

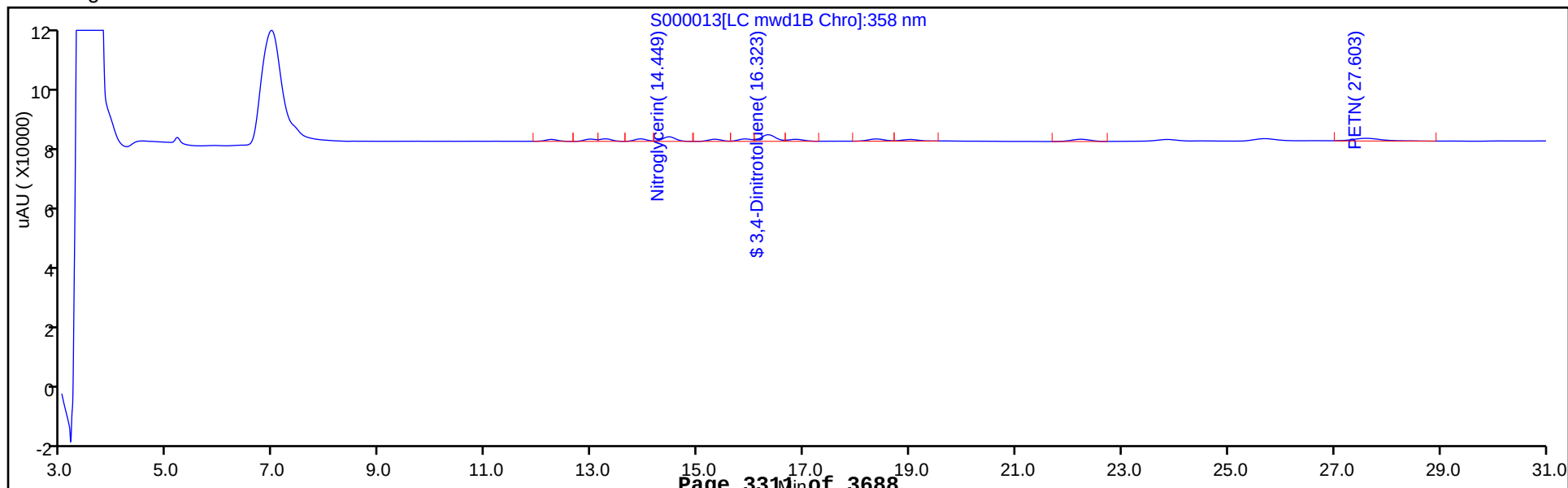
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000013.D

Injection Date: 19-Apr-2013 18:02:05

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 14686

Lims Sample ID: 12

Operator ID: RN

Injection Vol: 500.0 ul

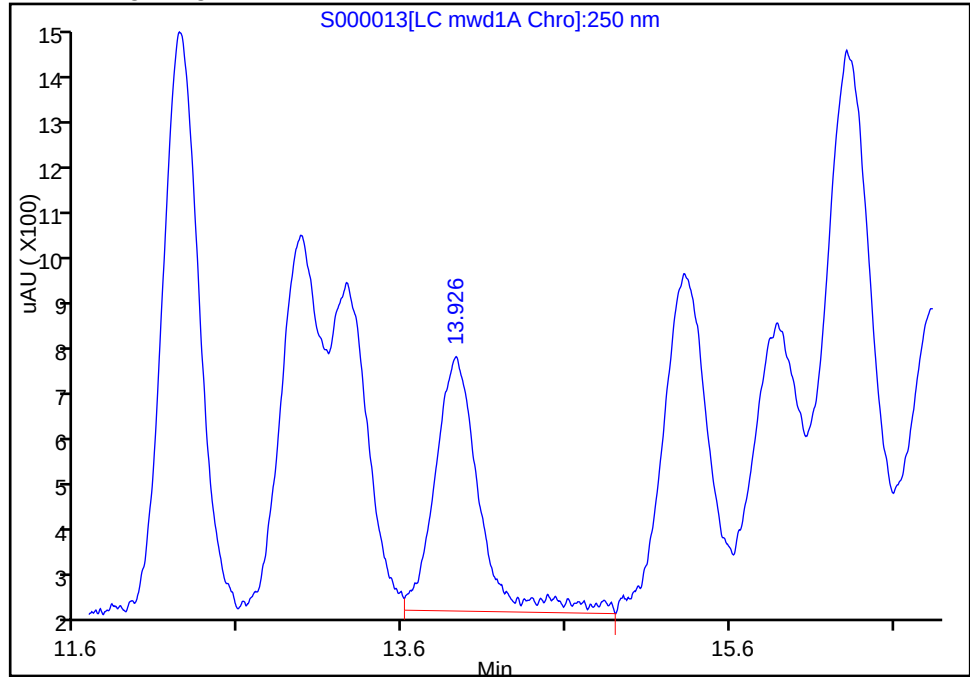
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

5 Nitrobenzene, Signal: 1, Type: quant, RT: 13.88, Det: LC mwd1A

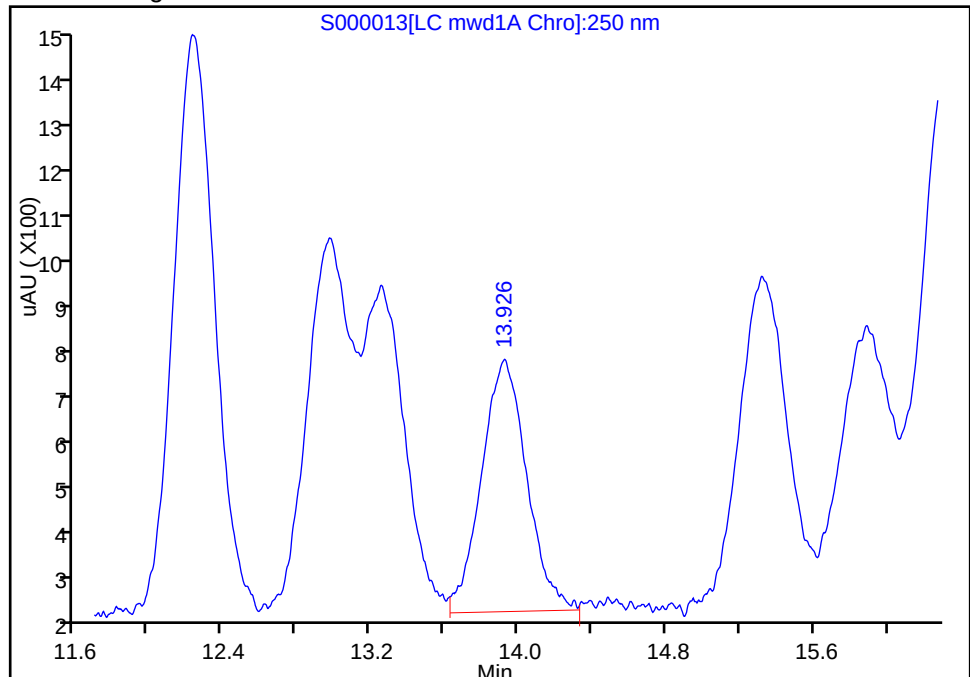
RT: 13.93
Response: 516
Amount: 7.246537

Processing Integration Results



RT: 13.93
Response: 512
Amount: 7.173568

Manual Integration Results



Reviewer: shafern, 22-Apr-2013 07:58:44

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000013.D

Injection Date: 19-Apr-2013 18:02:05

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 14686

Lims Sample ID: 12

Operator ID: RN

Injection Vol: 500.0 ul

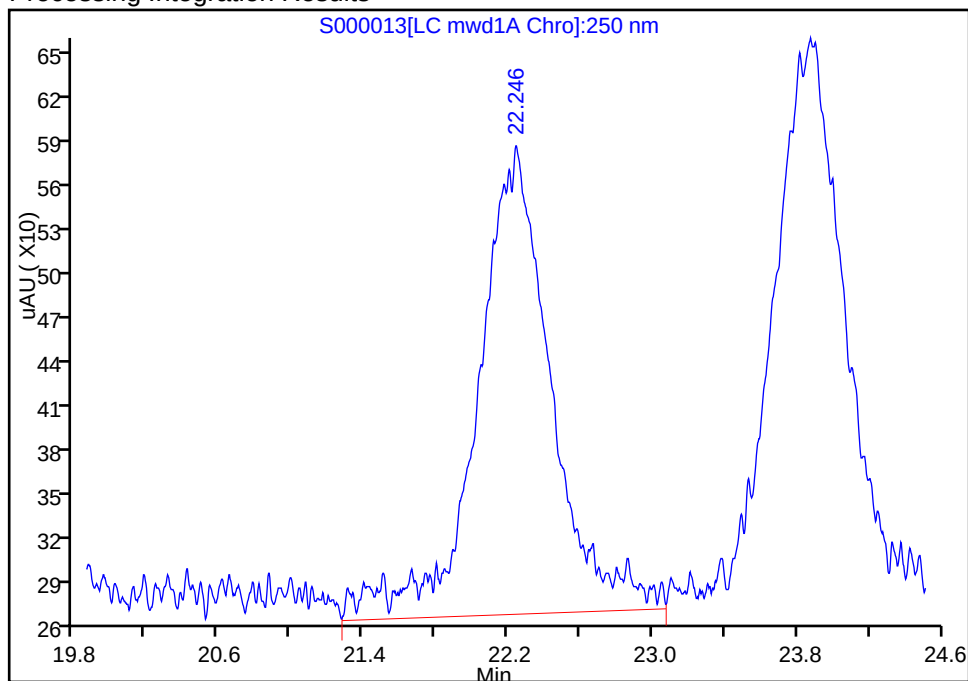
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

16 o-Nitrotoluene, Signal: 1, Type: quant, RT: 22.15, Det: LC mwd1A

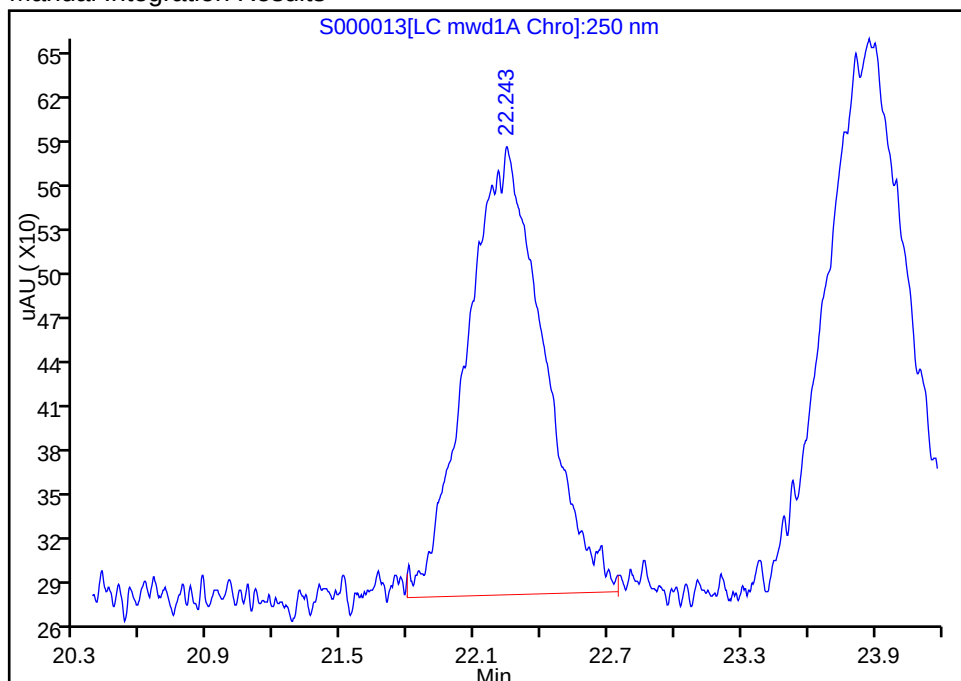
RT: 22.25
Response: 317
Amount: 7.459250

Processing Integration Results



RT: 22.24
Response: 303
Amount: 7.138377

Manual Integration Results



Reviewer: shafern, 22-Apr-2013 07:58:44

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000013.D

Injection Date: 19-Apr-2013 18:02:05

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 14686

Lims Sample ID: 12

Operator ID: RN

Injection Vol: 500.0 ul

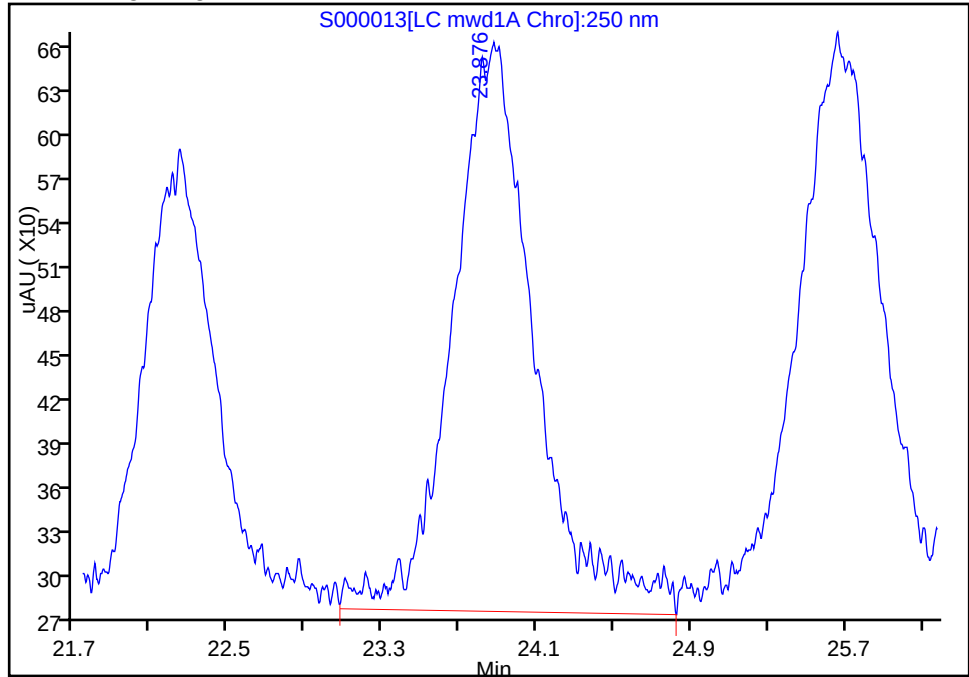
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

15 p-Nitrotoluene, Signal: 1, Type: quant, RT: 23.77, Det: LC mwd1A

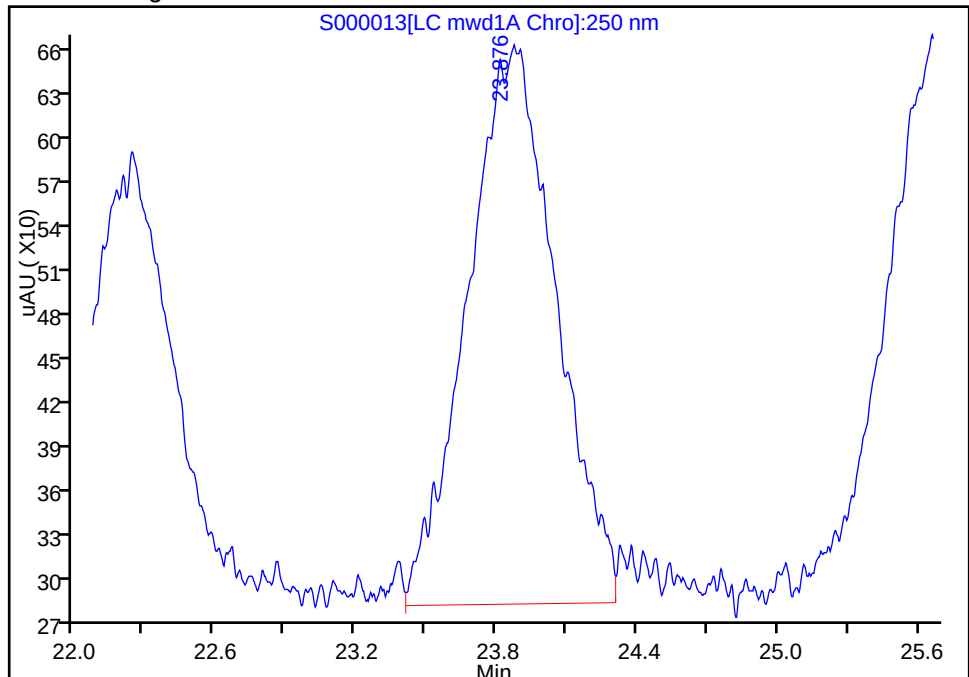
RT: 23.88
Response: 388
Amount: 7.302901

Processing Integration Results



RT: 23.88
Response: 381
Amount: 7.175192

Manual Integration Results



Reviewer: shafern, 22-Apr-2013 07:58:44

Audit Action: Manually Integrated

Audit Reason: Baseline

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1
 SDG No.: _____
 Lab Sample ID: CCVL 320-15252/1 Calibration Date: 04/29/2013 14:54
 Instrument ID: LC10 Calib Start Date: 04/19/2013 10:45
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 04/19/2013 15:51
 Lab File ID: ZC000001.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	125.5	125.4		5.00	5.00	-0.0	30.0
RDX	Ave	90.99	109.8		6.03	5.00	20.7	30.0
1,3,5-Trinitrobenzene	Ave	163.5	168.2		5.14	5.00	2.8	30.0
1,3-Dinitrobenzene	Ave	162.2	168.0		5.18	5.00	3.5	30.0
3,5-Dinitroaniline	Ave	103.6	109.0		5.26	5.00	5.2	30.0
Tetryl	Ave	94.63	88.60		4.68	5.00	-6.4	30.0
Nitrobenzene	Ave	71.37	76.00		5.32	5.00	6.5	30.0
Nitroglycerin	Ave	70.31	81.05		23.1	20.0	15.3	30.0
2,4,6-Trinitrotoluene	Ave	95.40	92.80		4.86	5.00	-2.7	30.0
4-Amino-2,6-dinitrotoluene	Ave	78.37	83.60		5.33	5.00	6.7	30.0
2-Amino-4,6-dinitrotoluene	Ave	84.03	87.00		5.18	5.00	3.5	30.0
2,6-Dinitrotoluene	Ave	59.83	64.60		5.40	5.00	8.0	30.0
2,4-Dinitrotoluene	Ave	98.79	99.40		5.03	5.00	0.6	30.0
2-Nitrotoluene	Ave	42.45	46.20		5.44	5.00	8.8	30.0
4-Nitrotoluene	Ave	53.10	55.60		5.24	5.00	4.7	30.0
3-Nitrotoluene	Ave	52.01	54.40		5.23	5.00	4.6	30.0
PETN	Ave	39.35	43.55		22.1	20.0	10.7	30.0
3,4-Dinitrotoluene	Ave	57.22	52.60		18.4	20.0	-8.1	30.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1
SDG No.: _____
Lab Sample ID: CCVL 320-15252/1 Calibration Date: 04/29/2013 14:54
Instrument ID: LC10 Calib Start Date: 04/19/2013 10:45
GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 04/19/2013 15:51
Lab File ID: ZC000001.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.21	4.96	5.46
RDX	7.46	7.21	7.71
1,3,5-Trinitrobenzene	9.74	9.49	9.99
1,3-Dinitrobenzene	12.33	12.08	12.58
3,5-Dinitroaniline	13.08	12.83	13.33
Tetryl	13.41	13.16	13.66
Nitrobenzene	14.03	13.78	14.28
Nitroglycerin	14.62	14.37	14.87
2,4,6-Trinitrotoluene	15.49	15.24	15.74
4-Amino-2,6-dinitrotoluene	16.06	15.81	16.31
2-Amino-4,6-dinitrotoluene	17.06	16.81	17.31
2,6-Dinitrotoluene	18.55	18.30	18.80
2,4-Dinitrotoluene	19.19	18.94	19.44
2-Nitrotoluene	22.50	22.25	22.75
4-Nitrotoluene	24.17	23.92	24.42
3-Nitrotoluene	25.97	25.72	26.22
PETN	27.96	27.71	28.21
3,4-Dinitrotoluene	16.54	16.29	16.79

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130429-4159.b\ZC000001.D
 Lims ID: CCVL Client ID:
 Inject. Date: 29-Apr-2013 14:54:17 Dil. Factor: 1.0000
 Sample Type: CCVL
 Sample ID: 320-0004159-001
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 1
 Lims Batch ID: 15252 Lims Sample ID: 1
 Sublist: chrom-8330_LC10*sub2
 Method: \\SACChrom\ChromData\LC10\20130429-4159.b\8330_LC10.m
 Last Update: 29-Apr-2013 15:41:28 Calib Date: 19-Apr-2013 15:51:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK023

First Level Reviewer: noonanr

Date: 29-Apr-2013 15:41:28

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.206	5.206	0.0	627	5.00	
19 RDX						
1	7.460	7.460	0.0	549	6.03	
27 1,3,5-Trinitrobenzene						
1	9.736	9.736	0.0	841	5.14	
24 1,3-Dinitrobenzene						
1	12.333	12.333	0.0	840	5.18	
9 3,5-Dinitroaniline						
1	13.076	13.076	0.0	545	5.26	
20 Tetryl						
1	13.413	13.413	0.0	443	4.68	
5 Nitrobenzene						
1	14.033	14.033	0.0	380	5.32	
7 Nitroglycerin						
2	14.623	14.623	0.0	1621	23.1	
25 2,4,6-Trinitrotoluene						
1	15.490	15.490	0.0	464	4.86	
26 4-Amino-2,6-dinitrotoluene						
1	16.063	16.063	0.0	418	5.33	
\$ 30 3,4-Dinitrotoluene						
1	16.536	16.536	0.0	1052	18.4	
2	16.533	16.533	0.0	2187	20.4	
6 2-Amino-4,6-dinitrotoluene						
1	17.063	17.063	0.0	435	5.18	
12 2,6-Dinitrotoluene						
1	18.553	18.553	0.0	323	5.40	

Data File: \\SACChrom\ChromData\LC10\20130429-4159.b\ZC000001.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
23 2,4-Dinitrotoluene						
1	19.190	19.190	0.0	497	5.03	
16 o-Nitrotoluene						
1	22.496	22.496	0.0	231	5.44	
15 p-Nitrotoluene						
1	24.173	24.173	0.0	278	5.24	
8 m-Nitrotoluene						
1	25.966	25.966	0.0	272	5.23	
21 PETN						
2	27.963	27.963	0.0	871	22.1	

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130429-4159.b\ZC000001.D

Injection Date: 29-Apr-2013 14:54:17

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 15252

Lims Sample ID: 1

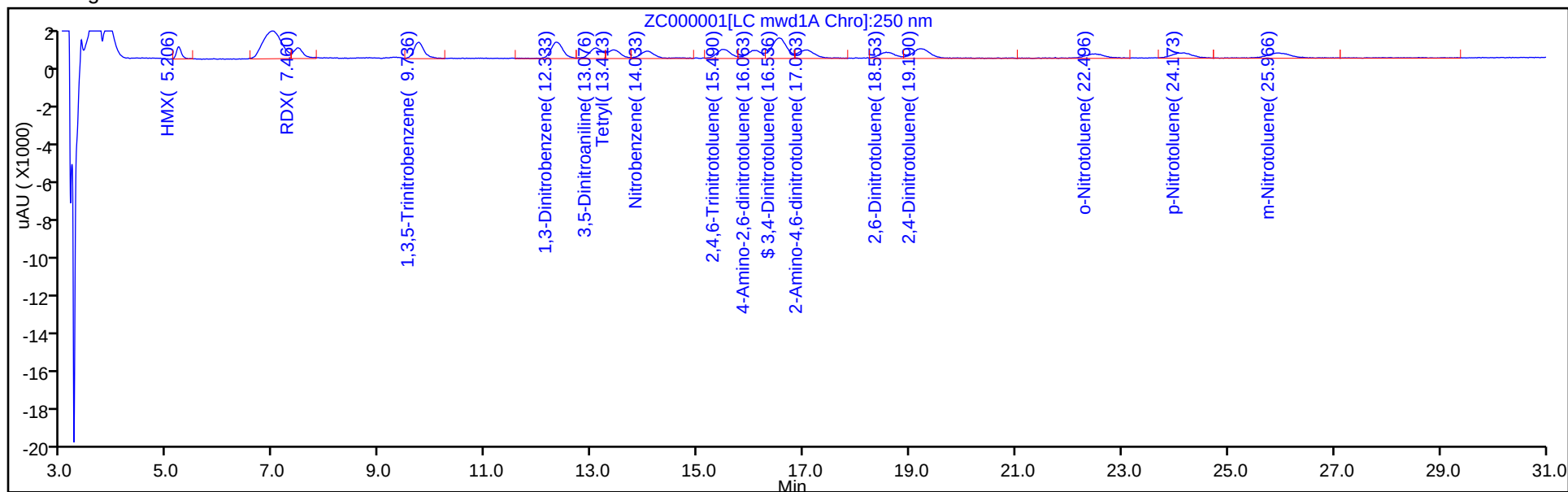
Operator ID: RN

Injection Vol: 500.0 ul

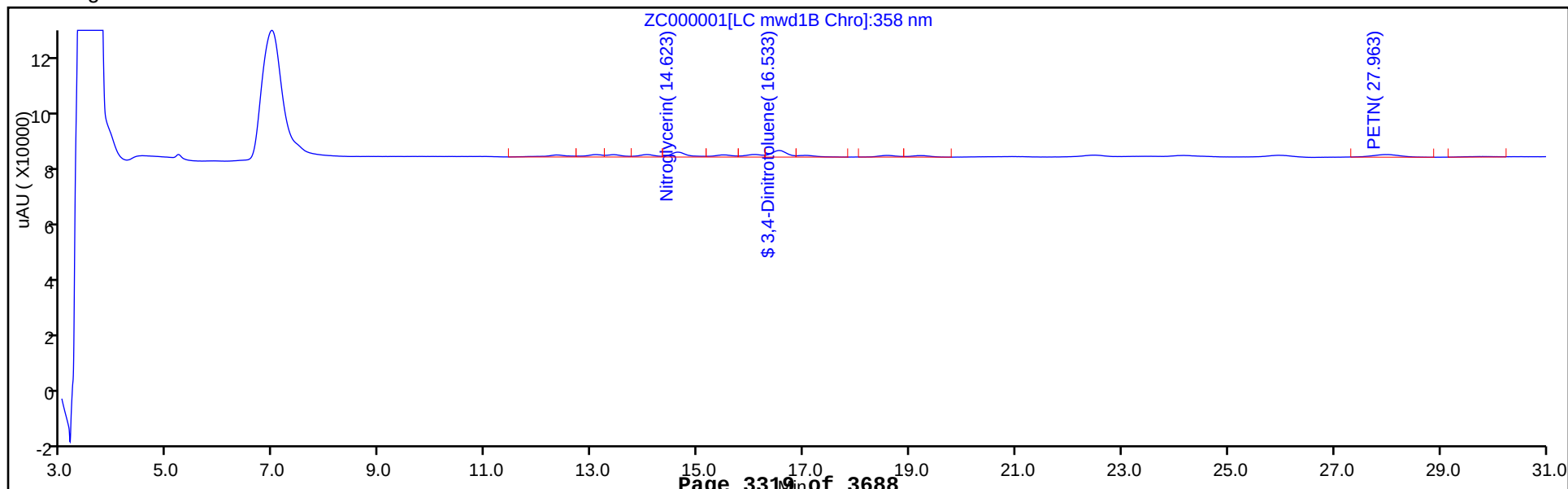
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1
 SDG No.: _____
 Lab Sample ID: CCV 320-15252/2 Calibration Date: 04/29/2013 15:37
 Instrument ID: LC10 Calib Start Date: 04/19/2013 10:45
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 04/19/2013 15:51
 Lab File ID: ZC000002.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	125.5	123.9		198	200	-1.2	20.0
RDX	Ave	90.99	83.39		183	200	-8.4	20.0
Ethylene glycol dinitrate	Ave	110.5	115.0		208	200	4.0	20.0
Picric acid	Ave	132.3	126.9		480	500	-4.0	20.0
1,3,5-Trinitrobenzene	Ave	163.5	159.8		195	200	-2.3	20.0
1,3-Dinitrobenzene	Ave	162.2	159.6		197	200	-1.6	20.0
3,5-Dinitroaniline	Ave	103.6	100.8		195	200	-2.7	20.0
Tetryl	Ave	94.63	89.21		189	200	-5.7	20.0
Nitrobenzene	Ave	71.37	70.52		198	200	-1.2	20.0
Nitroglycerin	Ave	70.31	62.64		178	200	-10.9	20.0
2,4,6-Trinitrotoluene	Ave	95.40	93.06		195	200	-2.5	20.0
4-Amino-2,6-dinitrotoluene	Ave	78.37	76.22		195	200	-2.7	20.0
2-Amino-4,6-dinitrotoluene	Ave	84.03	81.81		195	200	-2.6	20.0
2,6-Dinitrotoluene	Ave	59.83	58.17		194	200	-2.8	20.0
2,4-Dinitrotoluene	Ave	98.79	96.16		195	200	-2.7	20.0
2-Nitrotoluene	Ave	42.45	41.14		194	200	-3.1	20.0
4-Nitrotoluene	Ave	53.10	51.78		195	200	-2.5	20.0
3-Nitrotoluene	Ave	52.01	51.09		196	200	-1.8	20.0
PETN	Ave	39.35	35.18		179	200	-10.6	20.0
3,4-Dinitrotoluene	Ave	57.22	53.18		186	200	-7.1	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1
 SDG No.: _____
 Lab Sample ID: CCV 320-15252/2 Calibration Date: 04/29/2013 15:37
 Instrument ID: LC10 Calib Start Date: 04/19/2013 10:45
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 04/19/2013 15:51
 Lab File ID: ZC000002.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.19	4.94	5.44
RDX	7.45	7.20	7.70
Ethylene glycol dinitrate	8.11	7.86	8.36
Picric acid	8.51	8.26	8.76
1,3,5-Trinitrobenzene	9.72	9.47	9.97
1,3-Dinitrobenzene	12.32	12.07	12.57
3,5-Dinitroaniline	13.06	12.81	13.31
Tetryl	13.40	13.15	13.65
Nitrobenzene	14.02	13.77	14.27
Nitroglycerin	14.61	14.36	14.86
2,4,6-Trinitrotoluene	15.47	15.22	15.72
4-Amino-2,6-dinitrotoluene	16.05	15.80	16.30
2-Amino-4,6-dinitrotoluene	17.01	16.76	17.26
2,6-Dinitrotoluene	18.55	18.30	18.80
2,4-Dinitrotoluene	19.18	18.93	19.43
2-Nitrotoluene	22.45	22.20	22.70
4-Nitrotoluene	24.09	23.84	24.34
3-Nitrotoluene	25.92	25.67	26.17
PETN	27.97	27.72	28.22
3,4-Dinitrotoluene	16.51	16.26	16.76

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130429-4159.b\ZC000002.D
 Lims ID: CCV 06 Client ID:
 Inject. Date: 29-Apr-2013 15:37:57 Dil. Factor: 1.0000
 Sample Type: CCVRT
 Sample ID: 320-0004159-002
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 2
 Lims Batch ID: 15252 Lims Sample ID: 2
 Sublist: chrom-8330_LC10*sub1
 Method: \\SACChrom\ChromData\LC10\20130429-4159.b\8330_LC10.m
 Last Update: 30-Apr-2013 07:56:28 Calib Date: 19-Apr-2013 15:51:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK022

First Level Reviewer: noonanr

Date: 30-Apr-2013 07:56:28

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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11 HMX						
1	5.194	5.194	0.0	24782	197.5	
19 RDX						
1	7.447	7.447	0.0	16678	183.3	
3 Ethylene glycol dinitrate						
2	8.114	8.114	0.0	22992	208.0	
10 2,4,6-Trinitrophenol						
2	8.514	8.514	0.0	63455	479.8	
1	8.514	8.514	0.0	43727	474.6	
27 1,3,5-Trinitrobenzene						
1	9.717	9.717	0.0	31953	195.4	
24 1,3-Dinitrobenzene						
1	12.321	12.321	0.0	31927	196.8	
9 3,5-Dinitroaniline						
1	13.064	13.064	0.0	20157	194.5	
20 Tetryl						
1	13.401	13.401	0.0	17841	188.5	
5 Nitrobenzene						
1	14.024	14.024	0.0	14104	197.6	
7 Nitroglycerin						
2	14.607	14.607	0.0	12528	178.2	
25 2,4,6-Trinitrotoluene						
1	15.471	15.471	0.0	18611	195.1	
26 4-Amino-2,6-dinitrotoluene						
1	16.047	16.047	0.0	15244	194.5	
\$ 30 3,4-Dinitrotoluene						
1	16.511	16.511	0.0	10636	185.9	
2	16.511	16.511	0.0	20317	189.6	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.014	17.014	0.0	16362	194.7	
12 2,6-Dinitrotoluene						
1	18.547	18.547	0.0	11633	194.4	
23 2,4-Dinitrotoluene						
1	19.184	19.184	0.0	19231	194.7	
16 o-Nitrotoluene						
1	22.454	22.454	0.0	8227	193.8	
15 p-Nitrotoluene						
1	24.087	24.087	0.0	10356	195.0	
8 m-Nitrotoluene						
1	25.917	25.917	0.0	10217	196.4	
21 PETN						
2	27.971	27.971	0.0	7035	178.8	

Report Date: 30-Apr-2013 07:56:28

Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130429-4159.b\ZC000002.D

Injection Date: 29-Apr-2013 15:37:57

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 15252

Lims Sample ID: 2

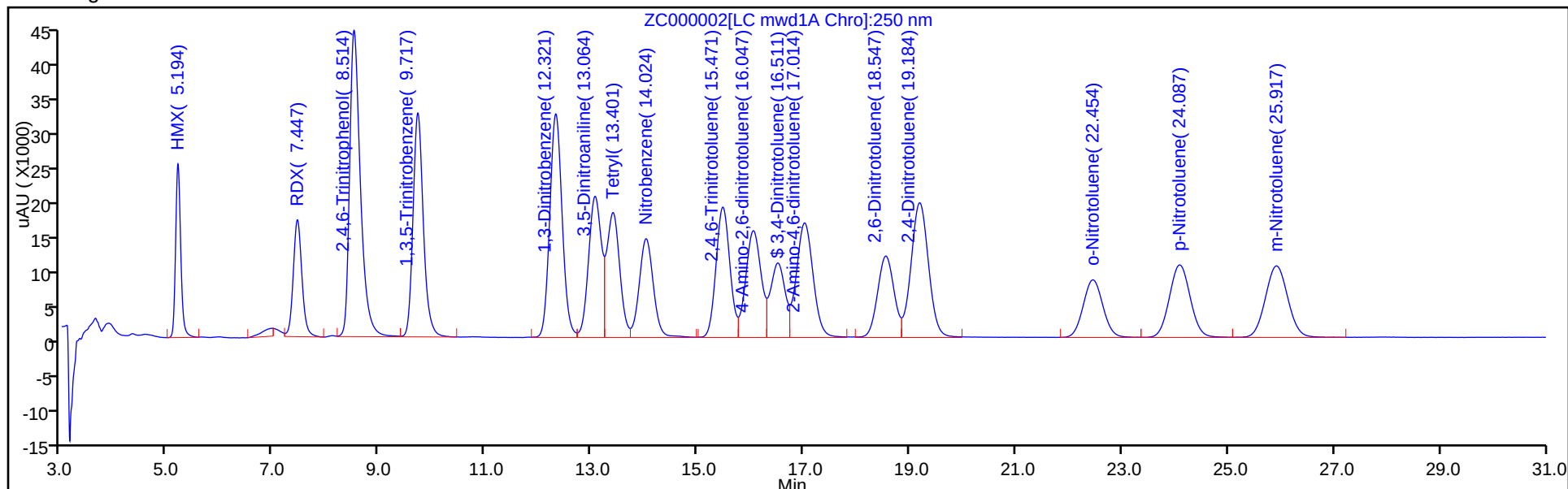
Operator ID: RN

Injection Vol: 500.0 ul

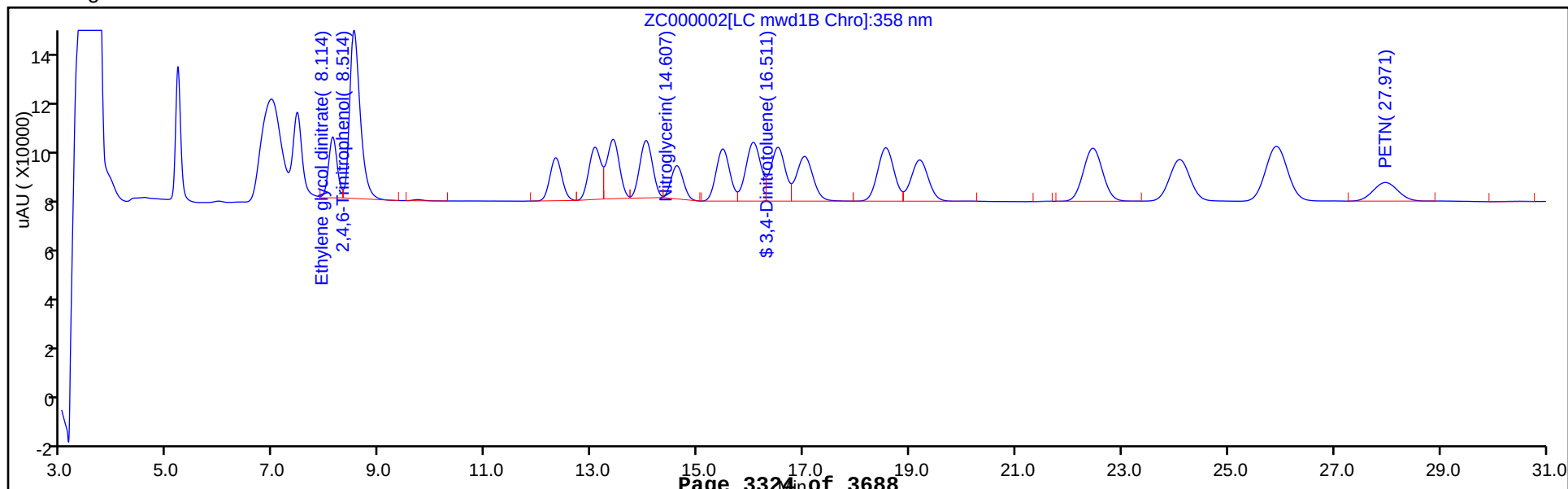
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1
 SDG No.: _____
 Lab Sample ID: CCVL 320-15252/13 Calibration Date: 04/29/2013 23:38
 Instrument ID: LC10 Calib Start Date: 04/19/2013 10:45
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 04/19/2013 15:51
 Lab File ID: ZC000013.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	125.5	126.2		5.03	5.00	0.6	30.0
RDX	Ave	90.99	108.8		5.98	5.00	19.6	30.0
1,3,5-Trinitrobenzene	Ave	163.5	169.8		5.19	5.00	3.8	30.0
1,3-Dinitrobenzene	Ave	162.2	168.4		5.19	5.00	3.8	30.0
3,5-Dinitroaniline	Ave	103.6	107.6		5.19	5.00	3.8	30.0
Tetryl	Ave	94.63	89.60		4.73	5.00	-5.3	30.0
Nitrobenzene	Ave	71.37	75.00		5.25	5.00	5.1	30.0
Nitroglycerin	Ave	70.31	73.25		20.8	20.0	4.2	30.0
2,4,6-Trinitrotoluene	Ave	95.40	93.00		4.87	5.00	-2.5	30.0
4-Amino-2,6-dinitrotoluene	Ave	78.37	83.80		5.35	5.00	6.9	30.0
2-Amino-4,6-dinitrotoluene	Ave	84.03	88.40		5.26	5.00	5.2	30.0
2,6-Dinitrotoluene	Ave	59.83	61.40		5.13	5.00	2.6	30.0
2,4-Dinitrotoluene	Ave	98.79	100.4		5.08	5.00	1.6	30.0
2-Nitrotoluene	Ave	42.45	46.00		5.42	5.00	8.4	30.0
4-Nitrotoluene	Ave	53.10	54.80		5.16	5.00	3.2	30.0
3-Nitrotoluene	Ave	52.01	55.20		5.31	5.00	6.1	30.0
PETN	Ave	39.35	34.45		17.5	20.0	-12.5	30.0
3,4-Dinitrotoluene	Ave	57.22	53.00		18.5	20.0	-7.4	30.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1
 SDG No.: _____
 Lab Sample ID: CCVL 320-15252/13 Calibration Date: 04/29/2013 23:38
 Instrument ID: LC10 Calib Start Date: 04/19/2013 10:45
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 04/19/2013 15:51
 Lab File ID: ZC000013.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.20	4.95	5.45
RDX	7.45	7.20	7.70
1,3,5-Trinitrobenzene	9.73	9.48	9.98
1,3-Dinitrobenzene	12.33	12.08	12.58
3,5-Dinitroaniline	13.09	12.84	13.34
Tetryl	13.41	13.16	13.66
Nitrobenzene	14.05	13.80	14.30
Nitroglycerin	14.63	14.38	14.88
2,4,6-Trinitrotoluene	15.50	15.25	15.75
4-Amino-2,6-dinitrotoluene	16.08	15.83	16.33
2-Amino-4,6-dinitrotoluene	17.03	16.78	17.28
2,6-Dinitrotoluene	18.57	18.32	18.82
2,4-Dinitrotoluene	19.25	19.00	19.50
2-Nitrotoluene	22.51	22.26	22.76
4-Nitrotoluene	24.11	23.86	24.36
3-Nitrotoluene	25.96	25.71	26.21
PETN	28.02	27.77	28.27
3,4-Dinitrotoluene	16.54	16.29	16.79

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130429-4159.b\ZC000013.D
 Lims ID: CCVL Client ID:
 Inject. Date: 29-Apr-2013 23:38:14 Dil. Factor: 1.0000
 Sample Type: CCVL
 Sample ID: 320-0004159-013
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 1
 Lims Batch ID: 15252 Lims Sample ID: 13
 Sublist: chrom-8330_LC10*sub2
 Method: \\SACChrom\ChromData\LC10\20130429-4159.b\8330_LC10.m
 Last Update: 30-Apr-2013 07:58:13 Calib Date: 19-Apr-2013 15:51:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK022

First Level Reviewer: noonanr

Date: 30-Apr-2013 07:58:13

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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11 HMX
 1 5.203 5.203 0.0 631 5.03
 19 RDX
 1 7.446 7.446 0.0 544 5.98
 27 1,3,5-Trinitrobenzene
 1 9.729 9.729 0.0 849 5.19
 24 1,3-Dinitrobenzene
 1 12.333 12.333 0.0 842 5.19
 9 3,5-Dinitroaniline
 1 13.090 13.090 0.0 538 5.19
 20 Tetryl
 1 13.406 13.406 0.0 448 4.73
 5 Nitrobenzene
 1 14.050 14.050 0.0 375 5.25
 7 Nitroglycerin
 2 14.626 14.626 0.0 1465 20.8
 25 2,4,6-Trinitrotoluene
 1 15.496 15.496 0.0 465 4.87
 26 4-Amino-2,6-dinitrotoluene
 1 16.083 16.083 0.0 419 5.35
 \$ 30 3,4-Dinitrotoluene
 1 16.543 16.543 0.0 1060 18.5
 2 16.536 16.536 0.0 2103 19.6
 6 2-Amino-4,6-dinitrotoluene
 1 17.030 17.030 0.0 442 5.26
 12 2,6-Dinitrotoluene
 1 18.570 18.570 0.0 307 5.13

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
23 2,4-Dinitrotoluene						
1	19.246	19.246	0.0	502	5.08	
16 o-Nitrotoluene						
1	22.513	22.513	0.0	230	5.42	
15 p-Nitrotoluene						
1	24.113	24.113	0.0	274	5.16	
8 m-Nitrotoluene						
1	25.956	25.956	0.0	276	5.31	
21 PETN						
2	28.020	28.020	0.0	689	17.5	

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130429-4159.b\ZC000013.D

Injection Date: 29-Apr-2013 23:38:14

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 15252

Lims Sample ID: 13

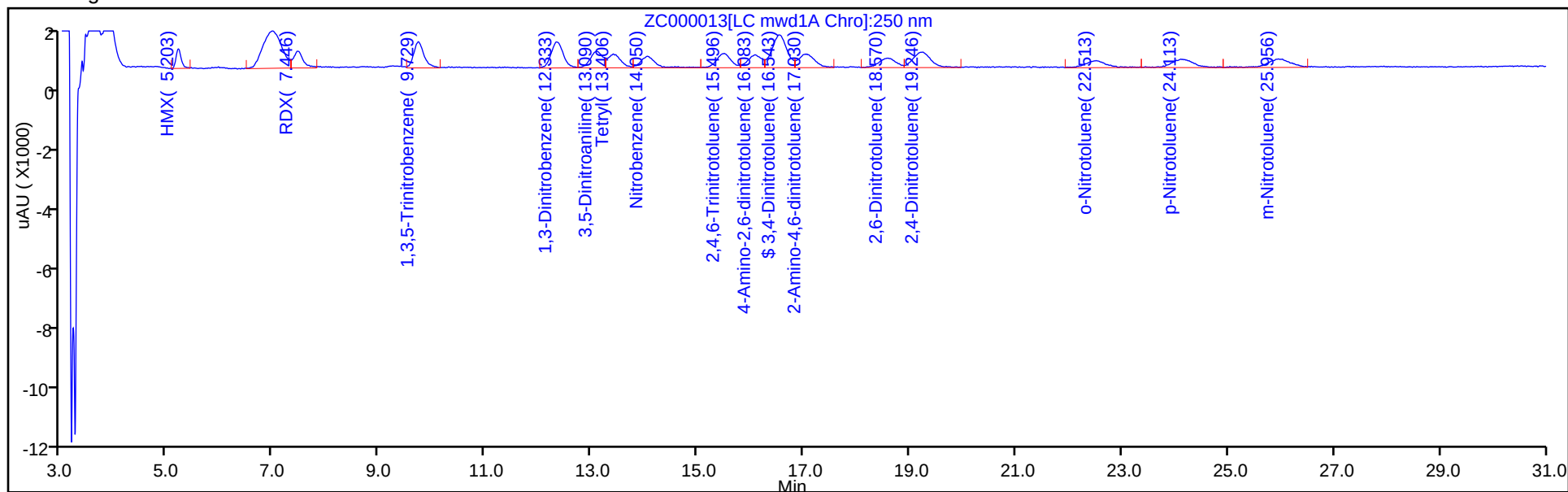
Operator ID: RN

Injection Vol: 500.0 ul

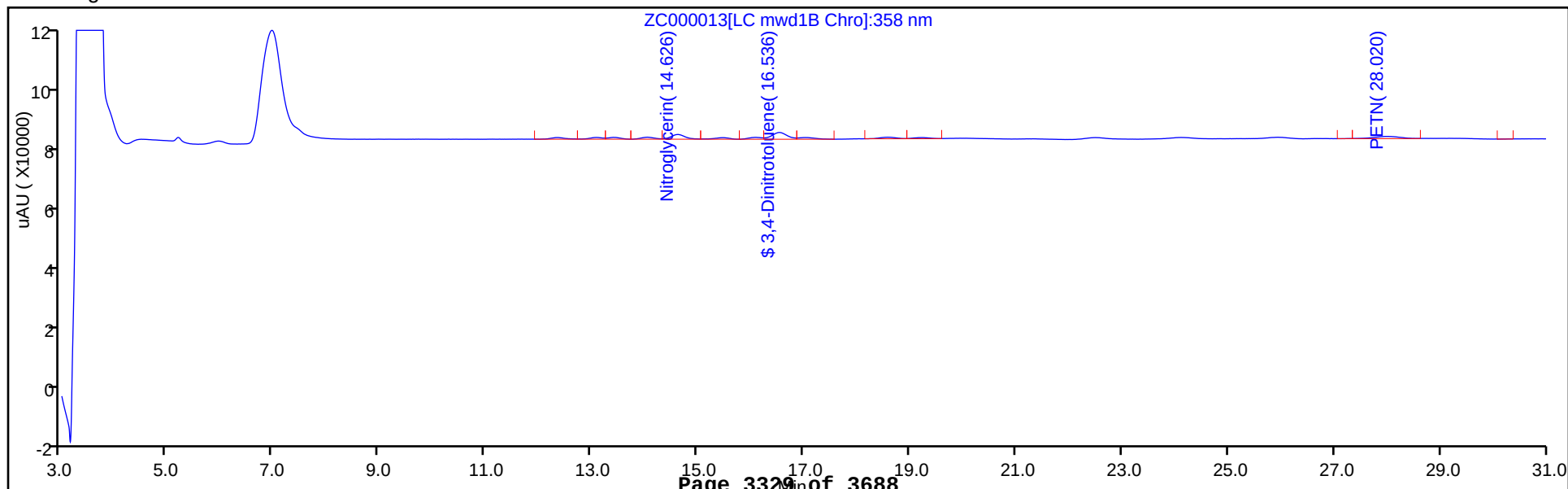
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1
 SDG No.: _____
 Lab Sample ID: CCV 320-15252/14 Calibration Date: 04/30/2013 00:21
 Instrument ID: LC10 Calib Start Date: 04/19/2013 10:45
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 04/19/2013 15:51
 Lab File ID: ZC000014.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	125.5	125.7		50.1	50.0	0.2	20.0
RDX	Ave	90.99	87.10		47.9	50.0	-4.3	20.0
Ethylene glycol dinitrate	Ave	110.5	112.8		51.0	50.0	2.1	20.0
Picric acid	Ave	132.3	134.2		101	100	1.5	20.0
1,3,5-Trinitrobenzene	Ave	163.5	163.2		49.9	50.0	-0.2	20.0
1,3-Dinitrobenzene	Ave	162.2	163.1		50.3	50.0	0.5	20.0
3,5-Dinitroaniline	Ave	103.6	103.1		49.8	50.0	-0.5	20.0
Tetryl	Ave	94.63	89.32		47.2	50.0	-5.6	20.0
Nitrobenzene	Ave	71.37	71.96		50.4	50.0	0.8	20.0
Nitroglycerin	Ave	70.31	63.54		45.2	50.0	-9.6	20.0
2,4,6-Trinitrotoluene	Ave	95.40	93.80		49.2	50.0	-1.7	20.0
4-Amino-2,6-dinitrotoluene	Ave	78.37	77.26		49.3	50.0	-1.4	20.0
2-Amino-4,6-dinitrotoluene	Ave	84.03	82.92		49.3	50.0	-1.3	20.0
2,6-Dinitrotoluene	Ave	59.83	58.66		49.0	50.0	-2.0	20.0
2,4-Dinitrotoluene	Ave	98.79	96.94		49.1	50.0	-1.9	20.0
2-Nitrotoluene	Ave	42.45	41.60		49.0	50.0	-2.0	20.0
4-Nitrotoluene	Ave	53.10	52.18		49.1	50.0	-1.7	20.0
3-Nitrotoluene	Ave	52.01	51.36		49.4	50.0	-1.3	20.0
PETN	Ave	39.35	35.96		45.7	50.0	-8.6	20.0
3,4-Dinitrotoluene	Ave	57.22	57.98		50.7	50.0	1.3	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1
 SDG No.: _____
 Lab Sample ID: CCV 320-15252/14 Calibration Date: 04/30/2013 00:21
 Instrument ID: LC10 Calib Start Date: 04/19/2013 10:45
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 04/19/2013 15:51
 Lab File ID: ZC000014.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.20	4.95	5.45
RDX	7.46	7.21	7.71
Ethylene glycol dinitrate	8.13	7.88	8.38
Picric acid	8.57	8.32	8.82
1,3,5-Trinitrobenzene	9.73	9.48	9.98
1,3-Dinitrobenzene	12.34	12.09	12.59
3,5-Dinitroaniline	13.09	12.84	13.34
Tetryl	13.42	13.17	13.67
Nitrobenzene	14.05	13.80	14.30
Nitroglycerin	14.62	14.37	14.87
2,4,6-Trinitrotoluene	15.49	15.24	15.74
4-Amino-2,6-dinitrotoluene	16.07	15.82	16.32
2-Amino-4,6-dinitrotoluene	17.05	16.80	17.30
2,6-Dinitrotoluene	18.59	18.34	18.84
2,4-Dinitrotoluene	19.22	18.97	19.47
2-Nitrotoluene	22.49	22.24	22.74
4-Nitrotoluene	24.14	23.89	24.39
3-Nitrotoluene	25.98	25.73	26.23
PETN	28.05	27.80	28.30
3,4-Dinitrotoluene	16.54	16.29	16.79

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130429-4159.b\ZC000014.D
 Lims ID: CCV 04 Client ID:
 Inject. Date: 30-Apr-2013 00:21:48 Dil. Factor: 1.0000
 Sample Type: CCVRT
 Sample ID: 320-0004159-014
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 3
 Lims Batch ID: 15252 Lims Sample ID: 14
 Sublist: chrom-8330_LC10*sub1
 Method: \\SACChrom\ChromData\LC10\20130429-4159.b\8330_LC10.m
 Last Update: 30-Apr-2013 07:58:27 Calib Date: 19-Apr-2013 15:51:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK022

First Level Reviewer: noonanr

Date: 30-Apr-2013 07:58:27

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

11 HMX						
1	5.201	5.201	0.0	6287	50.1	
19 RDX						
1	7.461	7.461	0.0	4355	47.9	
3 Ethylene glycol dinitrate						
2	8.127	8.127	0.0	5640	51.0	
10 2,4,6-Trinitrophenol						
2	8.574	8.574	0.0	13421	101.5	
1	8.574	8.574	0.0	9434	102.4	
27 1,3,5-Trinitrobenzene						
1	9.727	9.727	0.0	8159	49.9	
24 1,3-Dinitrobenzene						
1	12.341	12.341	0.0	8153	50.3	
9 3,5-Dinitroaniline						
1	13.088	13.088	0.0	5156	49.8	
20 Tetryl						
1	13.421	13.421	0.0	4466	47.2	
5 Nitrobenzene						
1	14.051	14.051	0.0	3598	50.4	
7 Nitroglycerin						
2	14.624	14.624	0.0	3177	45.2	
25 2,4,6-Trinitrotoluene						
1	15.488	15.488	0.0	4690	49.2	
26 4-Amino-2,6-dinitrotoluene						
1	16.074	16.074	0.0	3863	49.3	
\$ 30 3,4-Dinitrotoluene						
1	16.544	16.544	0.0	2899	50.7	
2	16.541	16.541	0.0	5619	52.4	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.051	17.051	0.0	4146	49.3	
12 2,6-Dinitrotoluene						
1	18.588	18.588	0.0	2933	49.0	
23 2,4-Dinitrotoluene						
1	19.221	19.221	0.0	4847	49.1	
16 o-Nitrotoluene						
1	22.491	22.491	0.0	2080	49.0	
15 p-Nitrotoluene						
1	24.144	24.144	0.0	2609	49.1	
8 m-Nitrotoluene						
1	25.978	25.978	0.0	2568	49.4	
21 PETN						
2	28.048	28.048	0.0	1798	45.7	

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130429-4159.b\ZC000014.D

Injection Date: 30-Apr-2013 00:21:48

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 15252

Lims Sample ID: 14

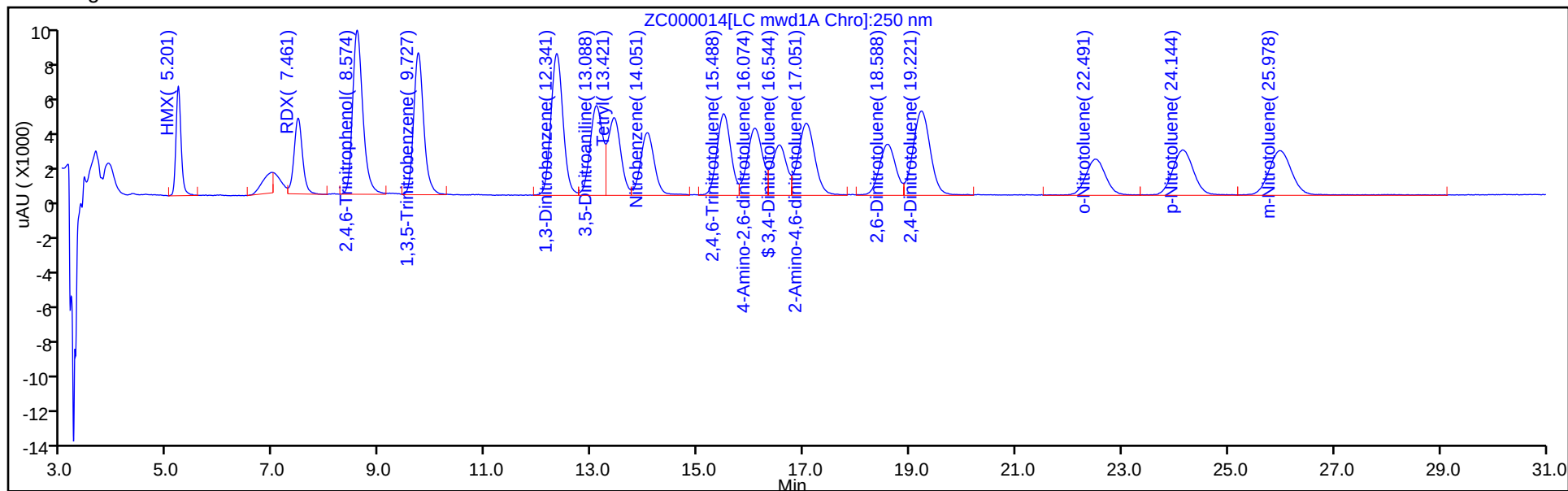
Operator ID: RN

Injection Vol: 500.0 ul

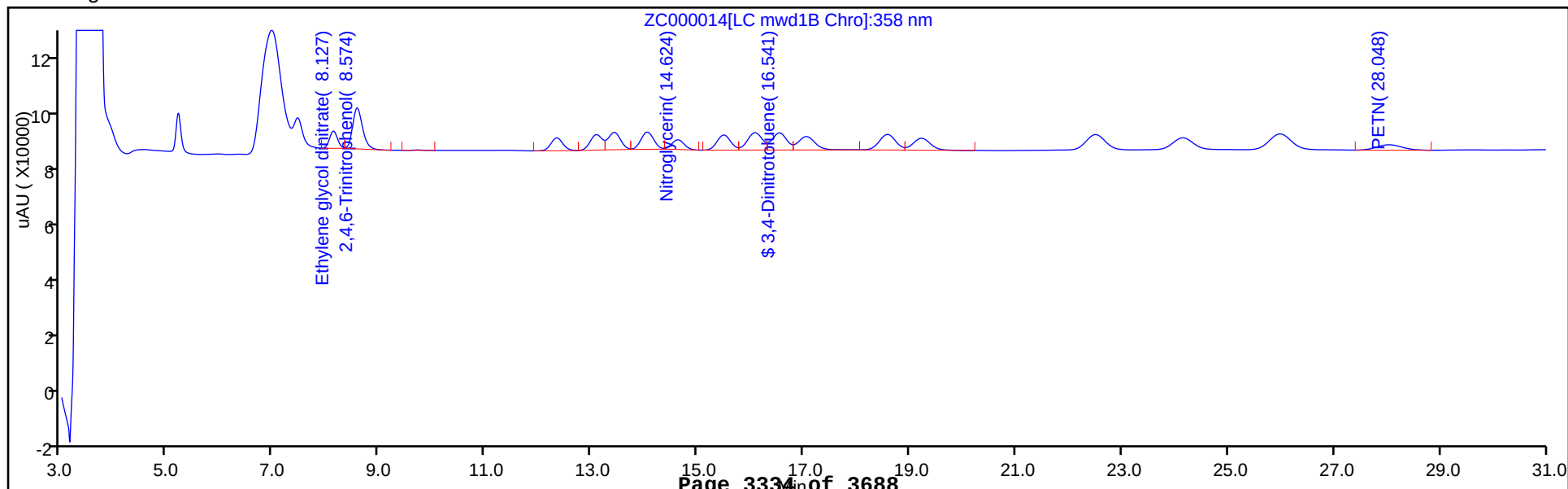
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1
 SDG No.: _____
 Lab Sample ID: LODV 320-1385/11 Calibration Date: 04/30/2012 23:25
 Instrument ID: LC11 Calib Start Date: 04/30/2012 14:52
 GC Column: _____ ID: _____ Calib End Date: 04/30/2012 21:31
 Lab File ID: M-011.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	94.21	98.20		5.21	5.00	4.2	
RDX	Ave	94.00	104.4		5.55	5.00	11.1	
1,3,5-Trinitrobenzene	Ave	215.4	228.0		5.29	5.00	5.8	
Picric acid	Ave	189.5	248.9		13.1	10.0	31.3	
1,3-Dinitrobenzene	Ave	228.7	234.4		5.13	5.00	2.5	
3,5-Dinitroaniline	Ave	150.4	155.4		5.16	5.00	3.3	
Nitrobenzene	Ave	98.42	98.60		5.01	5.00	0.2	
Tetryl	Ave	122.8	121.4		4.94	5.00	-1.1	
Nitroglycerin	Ave	90.04	84.60		4.70	5.00	-6.0	
2,4,6-Trinitrotoluene	Ave	129.9	128.6		4.95	5.00	-1.0	
4-Amino-2,6-dinitrotoluene	Ave	104.3	106.2		5.09	5.00	1.8	
2-Amino-4,6-dinitrotoluene	Ave	115.7	120.8		5.22	5.00	4.4	
2,6-Dinitrotoluene	Ave	79.69	83.20		5.22	5.00	4.4	
2,4-Dinitrotoluene	Ave	130.5	133.0		5.09	5.00	1.9	
2-Nitrotoluene	Ave	51.81	49.00		4.73	5.00	-5.4	
4-Nitrotoluene	Ave	66.41	66.40		5.00	5.00	-0.0	
3-Nitrotoluene	Ave	65.43	67.40		5.15	5.00	3.0	
PETN	Ave	51.32	45.40		4.42	5.00	-11.5	
Ethylene glycol dinitrate	None				0.500	5.00	-100.0	
3,4-Dinitrotoluene	Ave	69.81	72.60		5.20	5.00	4.0	

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1
 SDG No.: _____
 Lab Sample ID: LODV 320-1385/11 Calibration Date: 04/30/2012 23:25
 Instrument ID: LC11 Calib Start Date: 04/30/2012 14:52
 GC Column: _____ ID: _____ Calib End Date: 04/30/2012 21:31
 Lab File ID: M-011.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	20.38	20.16	20.66
RDX	23.63	23.40	23.90
1,3,5-Trinitrobenzene	25.58	25.35	25.85
Picric acid	25.93	25.67	26.17
1,3-Dinitrobenzene	28.30	28.07	28.57
3,5-Dinitroaniline	29.42	29.20	29.70
Nitrobenzene	29.91	29.67	30.17
Tetryl	30.22	30.00	30.50
Nitroglycerin	30.69	30.49	30.99
2,4,6-Trinitrotoluene	31.43	31.23	31.73
4-Amino-2,6-dinitrotoluene	32.41	32.21	32.71
2-Amino-4,6-dinitrotoluene	33.11	32.90	33.40
2,6-Dinitrotoluene	34.33	34.12	34.62
2,4-Dinitrotoluene	34.72	34.51	35.01
2-Nitrotoluene	37.59	37.40	37.90
4-Nitrotoluene	38.80	38.62	39.12
3-Nitrotoluene	40.31	40.11	40.61
PETN	40.94	40.77	41.27
Ethylene glycol dinitrate			
3,4-Dinitrotoluene	32.76	32.56	33.06

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC11\20120531-303.b\LM-011.D
 Lims ID: LODV 5ng/mL Client ID:
 Inject. Date: 30-Apr-2012 23:25:29 Dil. Factor: 1.0000
 Sample Type: LODV
 Sample ID: STD_01 HP8330L1_00001 5 ng/mL;2;
 Misc. Info.:
 Operator: RN Instrument ID: LC11
 Injection Vol: 500.0 ul ALS Bottle#: 11
 Lims Batch ID: 1385 Lims Sample ID: 11
 Method: \\SACChrom\ChromData\LC11\20120531-303.b\8330 Metab LC11.m
 Last Update: 18-Sep-2012 15:38:25 Calib Date: 30-Apr-2012 21:31:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC11\20120531-303.b\LM-009.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK014

First Level Reviewer: noonanr

Date:

04-Jun-2012 09:29:48

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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11 HMX
 1 20.378 20.410 -0.032 491 5.21
 19 RDX
 1 23.625 23.647 -0.022 522 5.55
 27 1,3,5-Trinitrobenzene
 1 25.578 25.600 -0.022 1140 5.29
 10 2,4,6-Trinitrophenol M
 2 25.931 25.923 0.008 2489 13.1 M
 1 25.938 25.923 0.015 1309 10.6
 24 1,3-Dinitrobenzene
 1 28.298 28.323 -0.025 1172 5.13
 9 3,5-Dinitroaniline
 1 29.415 29.453 -0.038 777 5.16
 5 Nitrobenzene
 1 29.905 29.920 -0.015 493 5.01
 20 Tetryl
 1 30.215 30.250 -0.035 607 4.94
 7 Nitroglycerin
 2 30.688 30.743 -0.055 423 4.70
 25 2,4,6-Trinitrotoluene
 1 31.431 31.477 -0.046 643 4.95
 26 4-Amino-2,6-dinitrotoluene
 1 32.411 32.457 -0.046 531 5.09
 \$ 30 3,4-Dinitrotoluene
 1 32.755 32.810 -0.055 363 5.20
 2 32.761 32.807 -0.046 663 5.14
 6 2-Amino-4,6-dinitrotoluene
 1 33.105 33.147 -0.042 604 5.22

Data File: \\SACChrom\ChromData\LC11\20120531-303.b\M-011.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
12	2,6-Dinitrotoluene					
1	34.328	34.373	-0.045	416	5.22	
23	2,4-Dinitrotoluene					
1	34.715	34.760	-0.045	665	5.09	
16	o-Nitrotoluene					
1	37.591	37.646	-0.055	245	4.73	
15	p-Nitrotoluene					
1	38.795	38.866	-0.071	332	5.00	
8	m-Nitrotoluene					
1	40.308	40.356	-0.048	337	5.15	
21	PETN					
2	40.935	41.016	-0.081	227	4.42	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 18-Sep-2012 15:38:38

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

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC11\20120531-303.b\1M-011.D

Injection Date: 30-Apr-2012 23:25:29

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC11

Lims Batch ID: 1385

Lims Sample ID: 11

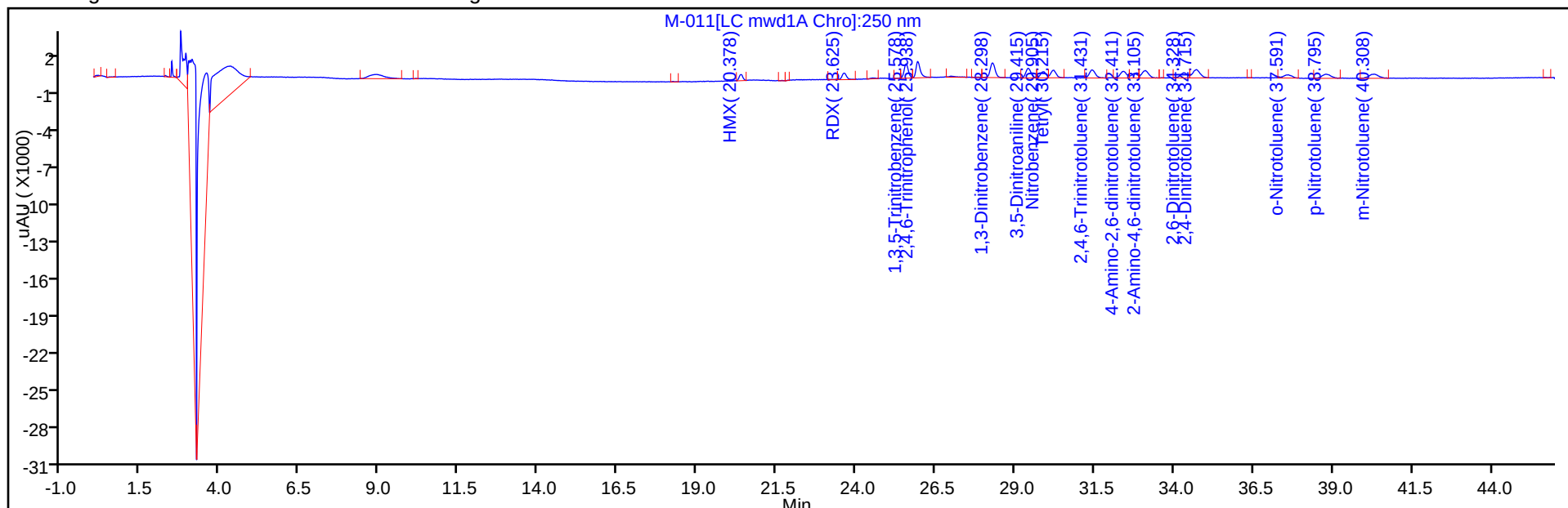
Operator ID: RN

Injection Vol: 500.0 ul

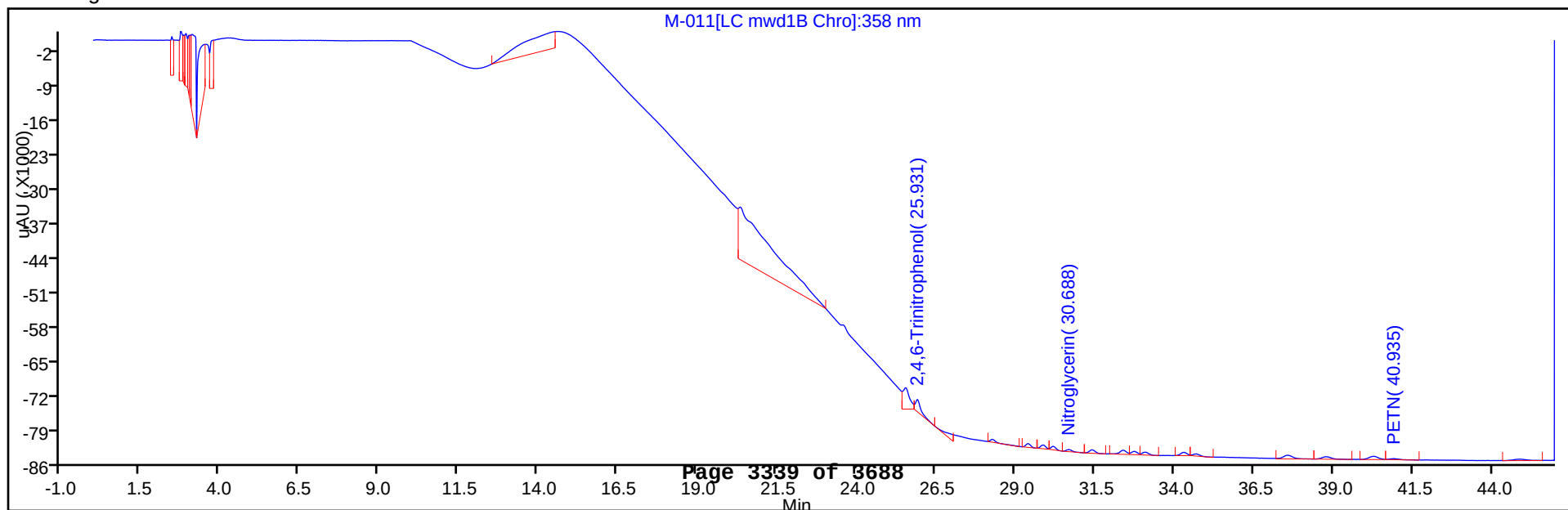
Column Type:

Column Dia:

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Y Scaling:



TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC11\20120531-303.b\M-011.D

Injection Date: 30-Apr-2012 23:25:29

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC11

Lims Batch ID: 1385

Lims Sample ID: 11

Operator ID: RN

Injection Vol: 500.0 ul

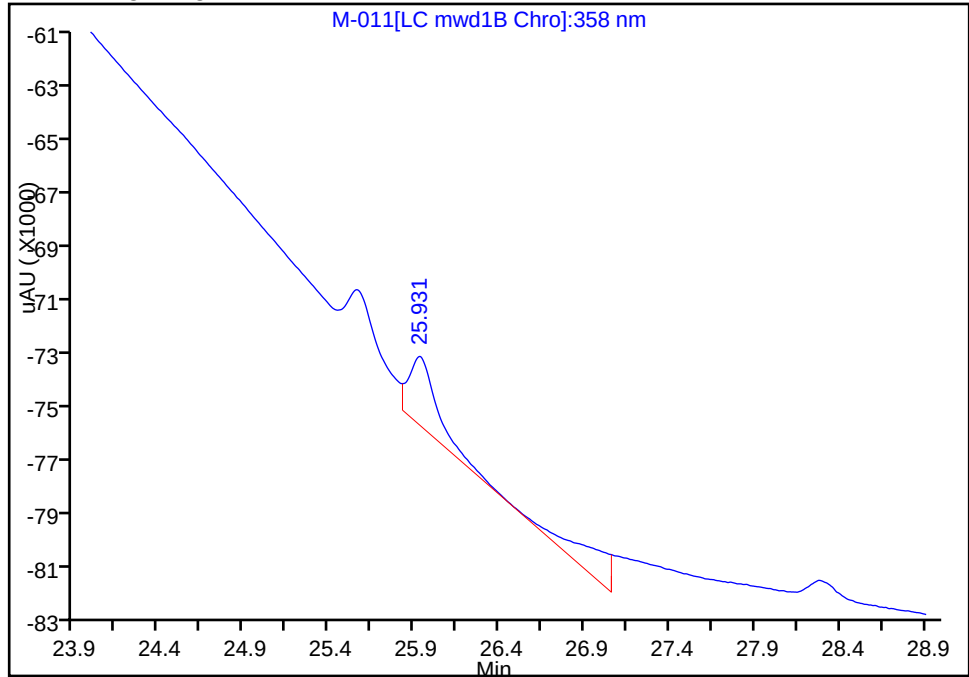
Column Type:

Column Dia:

10 2,4,6-Trinitrophenol, Signal: 1, Type: quant, RT: 25.92, Det: LC mwd1B

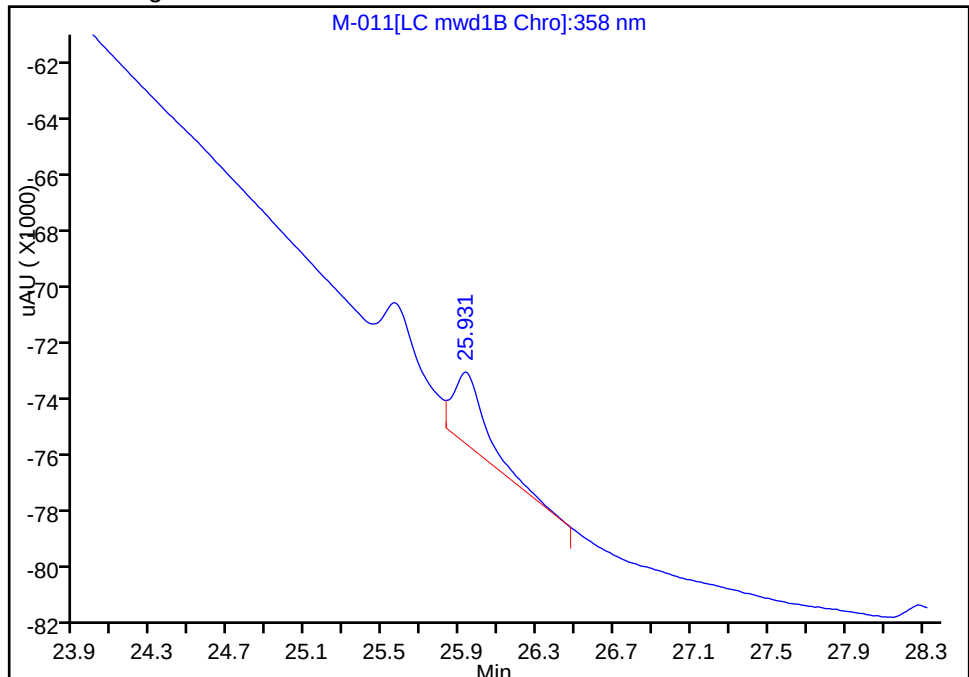
RT: 25.93
Response: 2490
Amount: 13.138858

Processing Integration Results



RT: 25.93
Response: 2489
Amount: 13.133581

Manual Integration Results



Reviewer: noonanr, 27-Aug-2012 16:05:14

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1
 SDG No.: _____
 Lab Sample ID: ICV 320-1385/13 Calibration Date: 05/01/2012 10:50
 Instrument ID: LC11 Calib Start Date: 04/30/2012 14:52
 GC Column: _____ ID: _____ Calib End Date: 04/30/2012 21:31
 Lab File ID: I-003.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	94.21	99.06		210	200	5.1	20.0
RDX	Ave	94.00	95.05		202	200	1.1	20.0
1,3,5-Trinitrobenzene	Ave	215.4	214.7		199	200	-0.3	20.0
Picric acid	Ave	189.5	177.1		467	500	-6.6	20.0
1,3-Dinitrobenzene	Ave	228.7	219.7		192	200	-3.9	20.0
3,5-Dinitroaniline	Ave	150.4	153.6		204	200	2.1	20.0
Nitrobenzene	Ave	98.42	99.15		201	200	0.7	20.0
Tetryl	Ave	122.8	128.2		209	200	4.4	20.0
Nitroglycerin	Ave	90.04	98.54		219	200	9.4	20.0
2,4,6-Trinitrotoluene	Ave	129.9	130.2		200	200	0.2	20.0
4-Amino-2,6-dinitrotoluene	Ave	104.3	100.3		192	200	-3.8	20.0
2-Amino-4,6-dinitrotoluene	Ave	115.7	113.0		195	200	-2.4	20.0
2,6-Dinitrotoluene	Ave	79.69	77.72		195	200	-2.5	20.0
2,4-Dinitrotoluene	Ave	130.5	127.8		196	200	-2.1	20.0
2-Nitrotoluene	Ave	51.81	51.14		197	200	-1.3	20.0
4-Nitrotoluene	Ave	66.41	67.20		202	200	1.2	20.0
3-Nitrotoluene	Ave	65.43	66.22		202	200	1.2	20.0
PETN	Ave	51.32	55.23		215	200	7.6	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1
 SDG No.: _____
 Lab Sample ID: ICV 320-1385/13 Calibration Date: 05/01/2012 10:50
 Instrument ID: LC11 Calib Start Date: 04/30/2012 14:52
 GC Column: _____ ID: _____ Calib End Date: 04/30/2012 21:31
 Lab File ID: I-003.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	20.45	20.16	20.66
RDX	23.66	23.40	23.90
1,3,5-Trinitrobenzene	25.60	25.35	25.85
Picric acid	25.91	25.67	26.17
1,3-Dinitrobenzene	28.32	28.07	28.57
3,5-Dinitroaniline	29.45	29.20	29.70
Nitrobenzene	29.91	29.67	30.17
Tetryl	30.24	30.00	30.50
Nitroglycerin	30.72	30.49	30.99
2,4,6-Trinitrotoluene	31.46	31.23	31.73
4-Amino-2,6-dinitrotoluene	32.44	32.21	32.71
2-Amino-4,6-dinitrotoluene	33.12	32.90	33.40
2,6-Dinitrotoluene	34.34	34.12	34.62
2,4-Dinitrotoluene	34.73	34.51	35.01
2-Nitrotoluene	37.60	37.40	37.90
4-Nitrotoluene	38.82	38.62	39.12
3-Nitrotoluene	40.31	40.11	40.61
PETN	40.96	40.77	41.27

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC11\20120531-303.b\I-003.D

Lims ID: ICV

Client ID:

Inject. Date: 01-May-2012 10:50:11

Dil. Factor: 1.0000

Sample Type: ICV

Sample ID: STD_ICV HP8330IC_00002 200 ng/mL;2;

Misc. Info.:

Operator: RN

Instrument ID: LC11

Injection Vol: 500.0 ul

ALS Bottle#: 11

Lims Batch ID: 1385

Lims Sample ID: 13

Sublist:

Method: \\SACChrom\ChromData\LC11\20120531-303.b\8330 Metab LC11.m

Last Update: 18-Sep-2012 15:38:25

Calib Date: 30-Apr-2012 21:31:38

Quant Method: External Standard

Quant By: Initial Calibration

Last ICal File: \\SACChrom\ChromData\LC11\20120531-303.b\I-009.D

Limit Group: LC 8330B ICAL

Integrator: Falcon

Column Type:

Column Dia:

Process Host: XAWRK014

First Level Reviewer: noonanr

Date:

04-Jun-2012 13:30:48

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

1 20.448 20.410 0.038 19811 210.3

19 RDX

1 23.658 23.647 0.011 19009 202.2

27 1,3,5-Trinitrobenzene

1 25.598 25.600 -0.002 42943 199.4

10 2,4,6-Trinitrophenol

2 25.905 25.923 -0.018 88530 467.1 M

1 25.905 25.923 -0.018 61200 495.0 M

24 1,3-Dinitrobenzene

1 28.315 28.323 -0.008 43931 192.1

9 3,5-Dinitroaniline

1 29.445 29.453 -0.008 30713 204.1

5 Nitrobenzene

1 29.905 29.920 -0.015 19829 201.5

20 Tetryl

1 30.235 30.250 -0.015 25645 208.9

7 Nitroglycerin

2 30.721 30.743 -0.022 19707 218.9

25 2,4,6-Trinitrotoluene

1 31.458 31.477 -0.019 26044 200.5

26 4-Amino-2,6-dinitrotoluene

1 32.435 32.457 -0.022 20066 192.3

6 2-Amino-4,6-dinitrotoluene

1 33.121 33.147 -0.026 22594 195.3

12 2,6-Dinitrotoluene

1 34.341 34.373 -0.032 15543 195.1

Data File: \\SACChrom\ChromData\LC11\20120531-303.b\I-003.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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23 2,4-Dinitrotoluene

1 34.728 34.760 -0.032 25562 195.8

16 o-Nitrotoluene

1 37.601 37.646 -0.045 10228 197.4

15 p-Nitrotoluene

1 38.821 38.866 -0.045 13439 202.4

8 m-Nitrotoluene

1 40.308 40.356 -0.048 13244 202.4

21 PETN

2 40.958 41.016 -0.058 11045 215.2

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 18-Sep-2012 15:38:40

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

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC11\20120531-303.b\I-003.D

Injection Date: 01-May-2012 10:50:11

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC11

Lims Batch ID: 1385

Lims Sample ID: 13

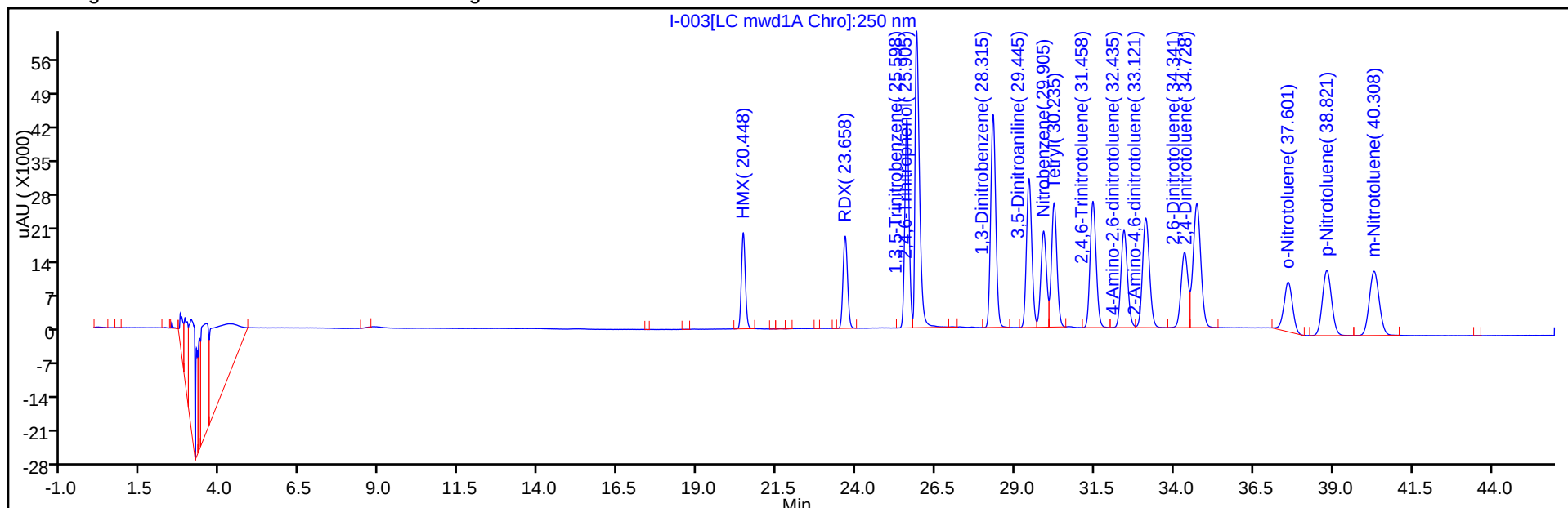
Operator ID: RN

Injection Vol: 500.0 ul

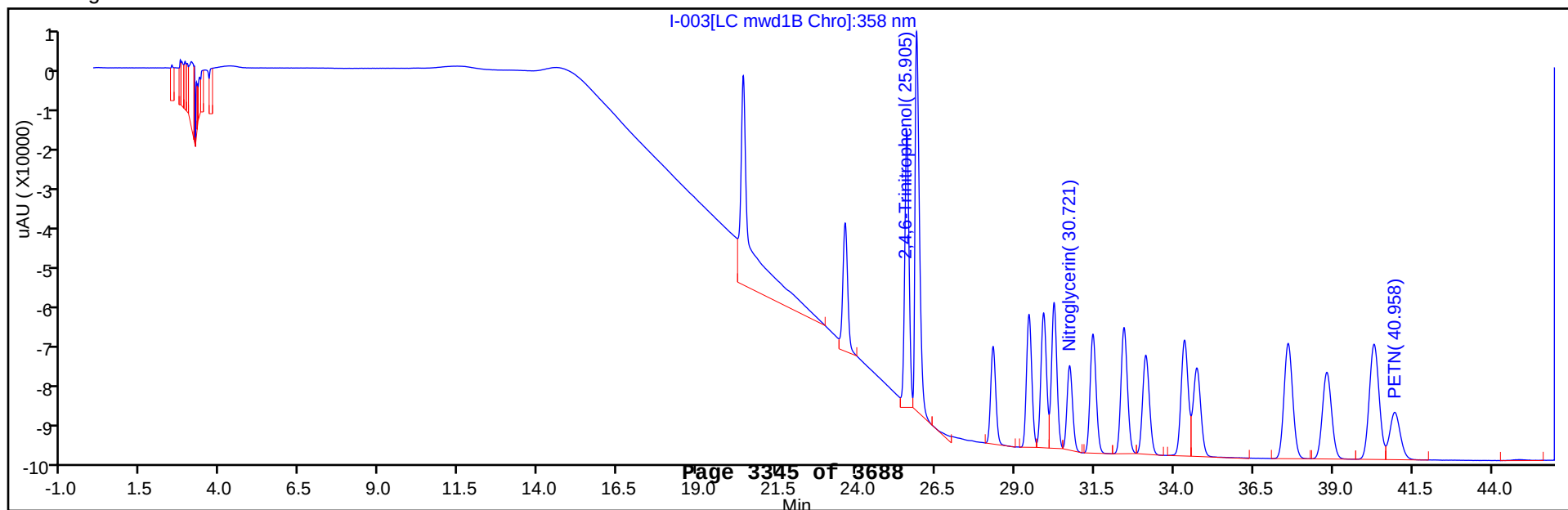
Column Type:

Column Dia:

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Y Scaling:



TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC11\20120531-303.b\I-003.D

Injection Date: 01-May-2012 10:50:11

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC11

Lims Batch ID: 1385

Lims Sample ID: 13

Operator ID: RN

Injection Vol: 500.0 ul

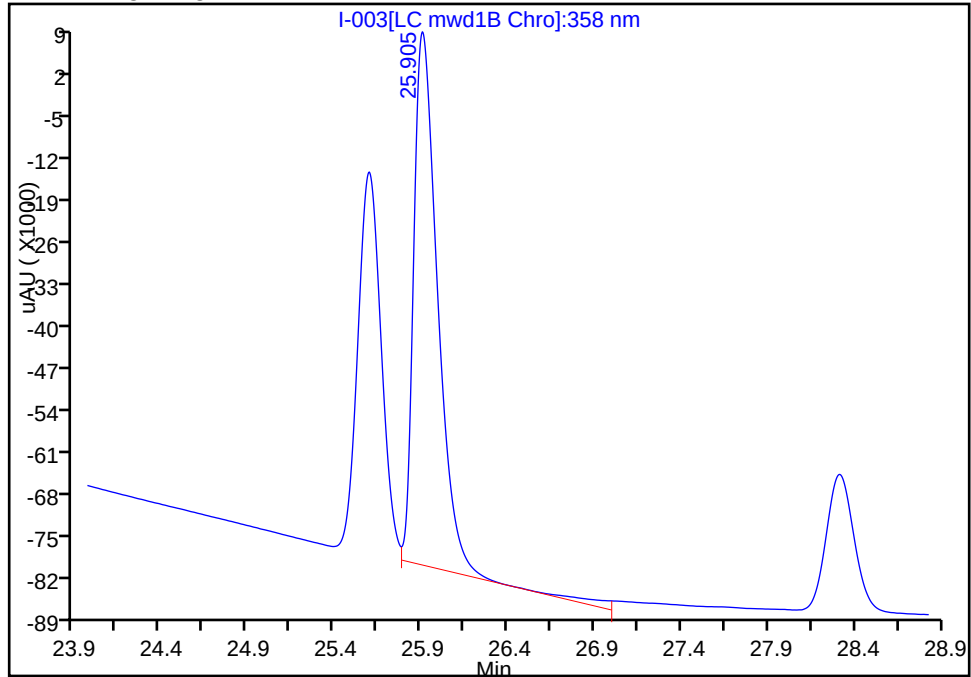
Column Type:

Column Dia:

10 2,4,6-Trinitrophenol, Signal: 1, Type: quant, RT: 25.92, Det: LC mwd1B

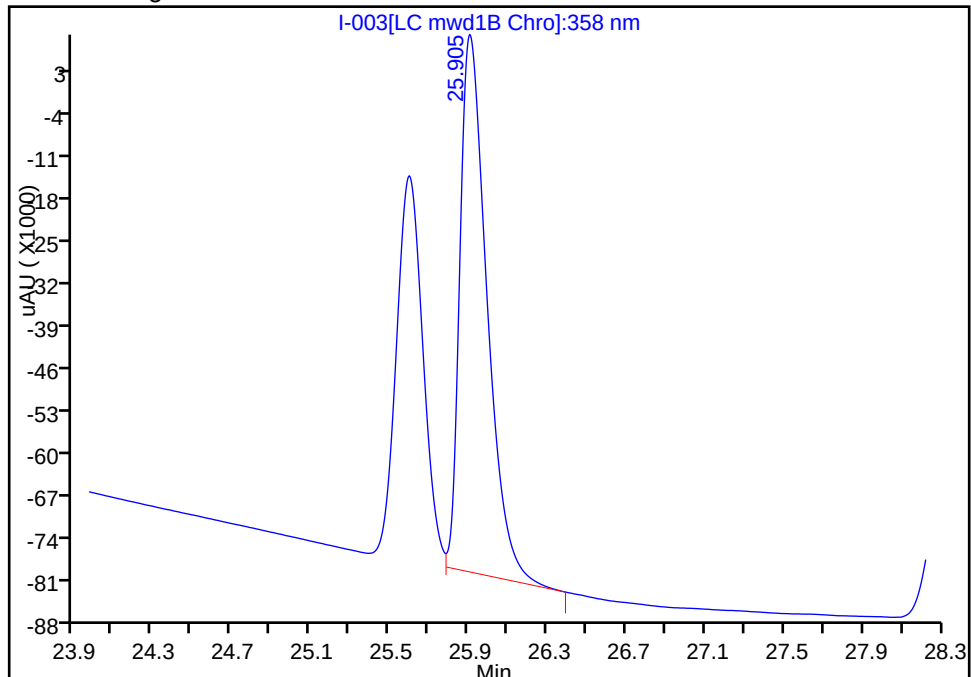
RT: 25.90
Response: 88532
Amount: 467.1524

Processing Integration Results



RT: 25.90
Response: 88530
Amount: 467.1418

Manual Integration Results



Reviewer: noonanr, 27-Aug-2012 16:13:46

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1
 SDG No.: _____
 Lab Sample ID: CCV 320-14412/64 Calibration Date: 04/19/2013 01:15
 Instrument ID: LC11 Calib Start Date: 04/30/2012 14:52
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 04/30/2012 21:31
 Lab File ID: P-000066.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	94.21	90.93		96.5	100	-3.5	20.0
RDX	Ave	94.00	89.59		95.3	100	-4.7	20.0
1,3,5-Trinitrobenzene	Ave	215.4	201.5		93.5	100	-6.5	20.0
Picric acid	Ave	189.5	183.5		242	250	-3.2	20.0
1,3-Dinitrobenzene	Ave	228.7	217.3		95.0	100	-5.0	20.0
3,5-Dinitroaniline	Ave	150.4	136.6		90.8	100	-9.2	20.0
Nitrobenzene	Ave	98.42	92.79		94.3	100	-5.7	20.0
Tetryl	Ave	122.8	117.5		95.7	100	-4.3	20.0
Nitroglycerin	Ave	90.04	84.87		94.3	100	-5.7	20.0
2,4,6-Trinitrotoluene	Ave	129.9	125.2		96.4	100	-3.6	20.0
4-Amino-2,6-dinitrotoluene	Ave	104.3	95.18		91.2	100	-8.8	20.0
2-Amino-4,6-dinitrotoluene	Ave	115.7	107.5		92.9	100	-7.1	20.0
2,6-Dinitrotoluene	Ave	79.69	74.63		93.7	100	-6.3	20.0
2,4-Dinitrotoluene	Ave	130.5	125.1		95.9	100	-4.1	20.0
2-Nitrotoluene	Ave	51.81	52.00		100	100	0.4	20.0
4-Nitrotoluene	Ave	66.41	66.58		100	100	0.3	20.0
3-Nitrotoluene	Ave	65.43	65.17		99.6	100	-0.4	20.0
PETN	Ave	51.32	53.85		105	100	4.9	20.0
3,4-Dinitrotoluene	Ave	69.81	68.87		98.7	100	-1.3	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1
 SDG No.: _____
 Lab Sample ID: CCV 320-14412/64 Calibration Date: 04/19/2013 01:15
 Instrument ID: LC11 Calib Start Date: 04/30/2012 14:52
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 04/30/2012 21:31
 Lab File ID: P-000066.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	20.15	19.90	20.40
RDX	23.39	23.14	23.64
1,3,5-Trinitrobenzene	25.28	25.03	25.53
Picric acid	25.76	25.51	26.01
1,3-Dinitrobenzene	27.99	27.74	28.24
3,5-Dinitroaniline	29.12	28.87	29.37
Nitrobenzene	29.51	29.26	29.76
Tetryl	29.83	29.58	30.08
Nitroglycerin	30.27	30.02	30.52
2,4,6-Trinitrotoluene	30.99	30.74	31.24
4-Amino-2,6-dinitrotoluene	32.01	31.76	32.26
2-Amino-4,6-dinitrotoluene	32.68	32.43	32.93
2,6-Dinitrotoluene	33.79	33.54	34.04
2,4-Dinitrotoluene	34.18	33.93	34.43
2-Nitrotoluene	36.92	36.67	37.17
4-Nitrotoluene	38.10	37.85	38.35
3-Nitrotoluene	39.51	39.26	39.76
PETN	39.93	39.68	40.18
3,4-Dinitrotoluene	32.35	32.10	32.60

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC11\20130416-3912.b\P-000066.D
 Lims ID: CCV 05 Client ID:
 Inject. Date: 19-Apr-2013 01:15:07 Dil. Factor: 1.0000
 Sample Type: CCVRT
 Sample ID: 320-0003912-064
 Misc. Info.:
 Operator: KR/RN Instrument ID: LC11
 Injection Vol: 500.0 ul ALS Bottle#: 5
 Lims Batch ID: 14412 Lims Sample ID: 64
 Sublist: chrom-8330 Metab LC11*sub1
 Method: \\SACChrom\ChromData\LC11\20130416-3912.b\8330 Metab LC11.m
 Last Update: 19-Apr-2013 07:02:59 Calib Date: 30-Apr-2012 21:31:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC11\20120531-303.b\M-009.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK006

First Level Reviewer: noonanr

Date: 19-Apr-2013 07:02:59

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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11 HMX
 1 20.150 20.150 0.0 9093 96.5
 19 RDX
 1 23.387 23.387 0.0 8959 95.3
 27 1,3,5-Trinitrobenzene
 1 25.283 25.283 0.0 20151 93.5
 10 2,4,6-Trinitrophenol
 2 25.760 25.760 0.0 45865 242.0
 1 25.760 25.760 0.0 31118 251.7
 24 1,3-Dinitrobenzene
 1 27.990 27.990 0.0 21732 95.0
 9 3,5-Dinitroaniline
 1 29.123 29.123 0.0 13660 90.8
 5 Nitrobenzene
 1 29.513 29.513 0.0 9279 94.3
 20 Tetryl
 1 29.833 29.833 0.0 11747 95.7
 7 Nitroglycerin
 2 30.267 30.267 0.0 8487 94.3
 25 2,4,6-Trinitrotoluene
 1 30.993 30.993 0.0 12522 96.4
 26 4-Amino-2,6-dinitrotoluene
 1 32.010 32.010 0.0 9518 91.2
 \$ 30 3,4-Dinitrotoluene
 1 32.347 32.347 0.0 6887 98.7
 2 32.347 32.347 0.0 13381 103.6
 6 2-Amino-4,6-dinitrotoluene
 1 32.683 32.683 0.0 10746 92.9

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
12 2,6-Dinitrotoluene						
1	33.793	33.793	0.0	7463	93.7	
23 2,4-Dinitrotoluene						
1	34.177	34.177	0.0	12513	95.9	
16 o-Nitrotoluene						
1	36.920	36.920	0.0	5200	100.4	
15 p-Nitrotoluene						
1	38.100	38.100	0.0	6658	100.3	
8 m-Nitrotoluene						
1	39.513	39.513	0.0	6517	99.6	
21 PETN						
2	39.930	39.930	0.0	5385	104.9	

Report Date: 19-Apr-2013 07:03:00

Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC11\20130416-3912.b\IP-000066.D

Injection Date: 19-Apr-2013 01:15:07

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC11

Lims Batch ID: 14412

Lims Sample ID: 64

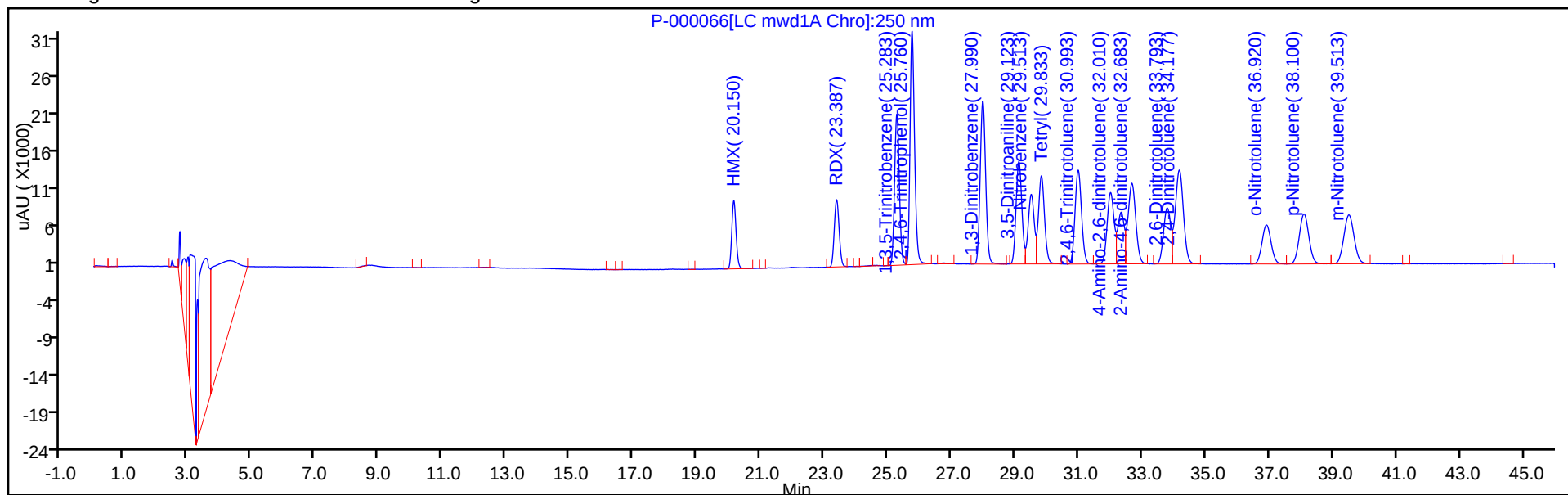
Operator ID: KR/RN

Injection Vol: 500.0 ul

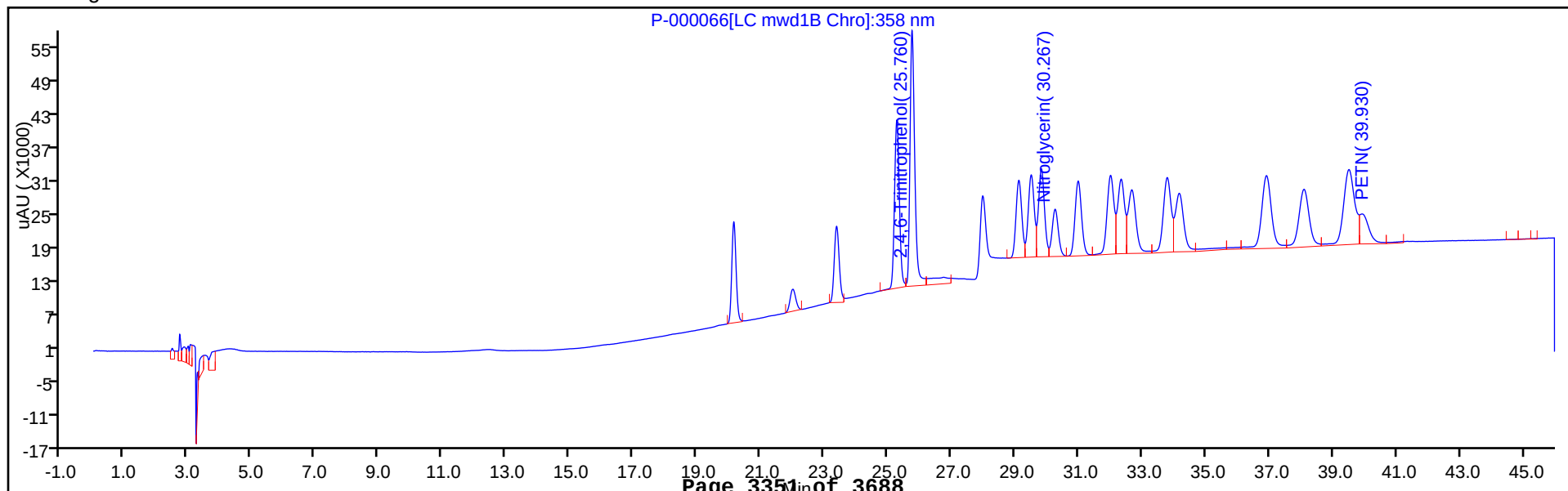
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1
 SDG No.: _____
 Lab Sample ID: CCVL 320-14412/66 Calibration Date: 04/19/2013 02:12
 Instrument ID: LC11 Calib Start Date: 04/30/2012 14:52
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 04/30/2012 21:31
 Lab File ID: P-000067.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	94.21	99.6		5.29	5.00	5.7	30.0
RDX	Ave	94.00	100.0		5.32	5.00	6.4	30.0
1,3,5-Trinitrobenzene	Ave	215.4	221.2		5.13	5.00	2.7	30.0
1,3-Dinitrobenzene	Ave	228.7	232.8		5.09	5.00	1.8	30.0
3,5-Dinitroaniline	Ave	150.4	146.2		4.86	5.00	-2.8	30.0
Nitrobenzene	Ave	98.42	94.60		4.81	5.00	-3.9	30.0
Tetryl	Ave	122.8	114.0		4.64	5.00	-7.2	30.0
Nitroglycerin	Ave	90.04	84.55		18.8	20.0	-6.1	30.0
2,4,6-Trinitrotoluene	Ave	129.9	128.0		4.93	5.00	-1.5	30.0
4-Amino-2,6-dinitrotoluene	Ave	104.3	104.4		5.00	5.00	0.0	30.0
2-Amino-4,6-dinitrotoluene	Ave	115.7	120.8		5.22	5.00	4.4	30.0
2,6-Dinitrotoluene	Ave	79.69	86.60		5.43	5.00	8.7	30.0
2,4-Dinitrotoluene	Ave	130.5	138.2		5.29	5.00	5.9	30.0
2-Nitrotoluene	Ave	51.81	53.20		5.13	5.00	2.7	30.0
4-Nitrotoluene	Ave	66.41	69.40		5.22	5.00	4.5	30.0
3-Nitrotoluene	Ave	65.43	66.00		5.04	5.00	0.9	30.0
PETN	Ave	51.32	59.55		23.2	20.0	16.0	30.0
3,4-Dinitrotoluene	Ave	69.81	66.55		19.1	20.0	-4.7	30.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1
 SDG No.: _____
 Lab Sample ID: CCVL 320-14412/66 Calibration Date: 04/19/2013 02:12
 Instrument ID: LC11 Calib Start Date: 04/30/2012 14:52
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 04/30/2012 21:31
 Lab File ID: P-000067.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	20.15	19.90	20.40
RDX	23.38	23.13	23.63
1,3,5-Trinitrobenzene	25.27	25.02	25.52
1,3-Dinitrobenzene	27.99	27.74	28.24
3,5-Dinitroaniline	29.13	28.88	29.38
Nitrobenzene	29.50	29.25	29.75
Tetryl	29.83	29.58	30.08
Nitroglycerin	30.26	30.01	30.51
2,4,6-Trinitrotoluene	30.98	30.73	31.23
4-Amino-2,6-dinitrotoluene	32.01	31.76	32.26
2-Amino-4,6-dinitrotoluene	32.68	32.43	32.93
2,6-Dinitrotoluene	33.80	33.55	34.05
2,4-Dinitrotoluene	34.16	33.91	34.41
2-Nitrotoluene	36.94	36.69	37.19
4-Nitrotoluene	38.08	37.83	38.33
3-Nitrotoluene	39.50	39.25	39.75
PETN	39.96	39.71	40.21
3,4-Dinitrotoluene	32.34	32.09	32.59

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC11\20130416-3912.b\P-000067.D
 Lims ID: CCVL Client ID:
 Inject. Date: 19-Apr-2013 02:12:21 Dil. Factor: 1.0000
 Sample Type: CCVL
 Sample ID: 320-0003912-066
 Misc. Info.:
 Operator: KR/RN Instrument ID: LC11
 Injection Vol: 500.0 ul ALS Bottle#: 10
 Lims Batch ID: 14412 Lims Sample ID: 66
 Sublist: chrom-8330 Metab LC11*sub4
 Method: \\SACChrom\ChromData\LC11\20130416-3912.b\8330 Metab LC11.m
 Last Update: 19-Apr-2013 07:03:40 Calib Date: 30-Apr-2012 21:31:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC11\20120531-303.b\M-009.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK006

First Level Reviewer: noonanr

Date: 19-Apr-2013 07:03:40

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	20.154	20.154	0.0	498	5.29	
19 RDX						
1	23.384	23.384	0.0	500	5.32	
27 1,3,5-Trinitrobenzene						
1	25.270	25.270	0.0	1106	5.13	
24 1,3-Dinitrobenzene						
1	27.990	27.990	0.0	1164	5.09	
9 3,5-Dinitroaniline						
1	29.127	29.127	0.0	731	4.86	
5 Nitrobenzene						
1	29.500	29.500	0.0	473	4.81	
20 Tetryl						
1	29.830	29.830	0.0	570	4.64	
7 Nitroglycerin						
2	30.260	30.260	0.0	1691	18.8	
25 2,4,6-Trinitrotoluene						
1	30.984	30.984	0.0	640	4.93	
26 4-Amino-2,6-dinitrotoluene						
1	32.010	32.010	0.0	522	5.00	
\$ 30 3,4-Dinitrotoluene M						
1	32.340	32.340	0.0	1331	19.1	
2	32.344	32.344	0.0	2795	21.6	M
6 2-Amino-4,6-dinitrotoluene						
1	32.677	32.677	0.0	604	5.22	
12 2,6-Dinitrotoluene						
1	33.800	33.800	0.0	433	5.43	

Data File: \\SACChrom\ChromData\LC11\20130416-3912.b\P-000067.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
23 2,4-Dinitrotoluene						
1	34.164	34.164	0.0	691	5.29	
16 o-Nitrotoluene						
1	36.943	36.943	0.0	266	5.13	
15 p-Nitrotoluene						
1	38.083	38.083	0.0	347	5.22	
8 m-Nitrotoluene						
1	39.497	39.497	0.0	330	5.04	
21 PETN						
2	39.957	39.957	0.0	1191	23.2	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 19-Apr-2013 07:03:40

Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC11\20130416-3912.b\IP-000067.D

Injection Date: 19-Apr-2013 02:12:21

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC11

Lims Batch ID: 14412

Lims Sample ID: 66

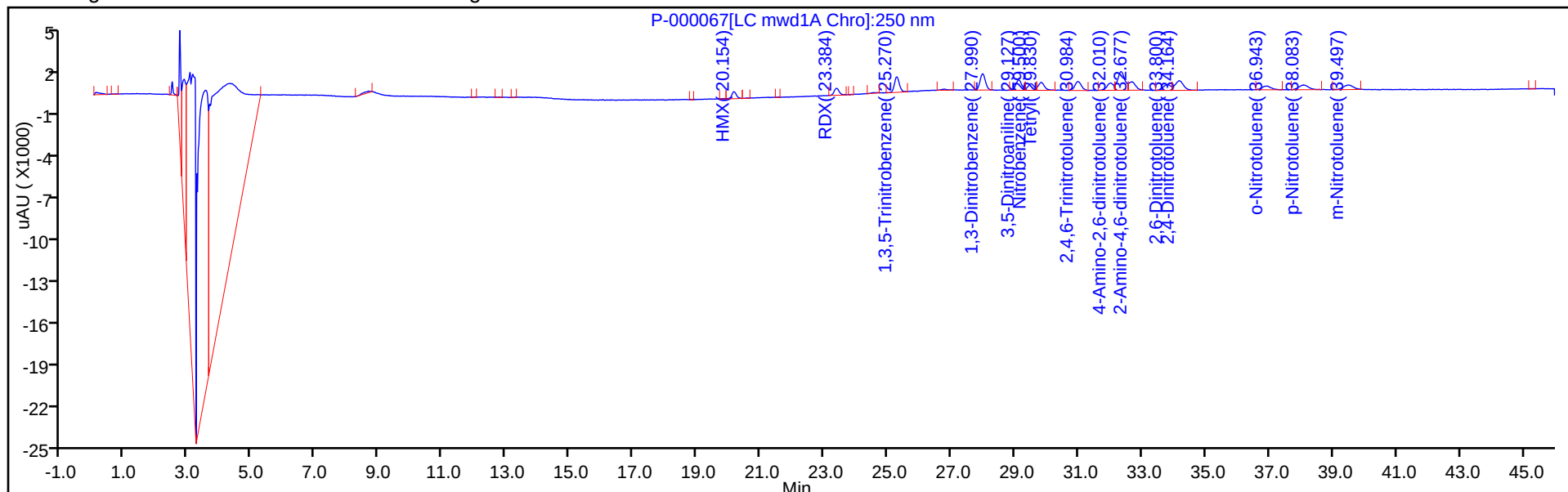
Operator ID: KR/RN

Injection Vol: 500.0 ul

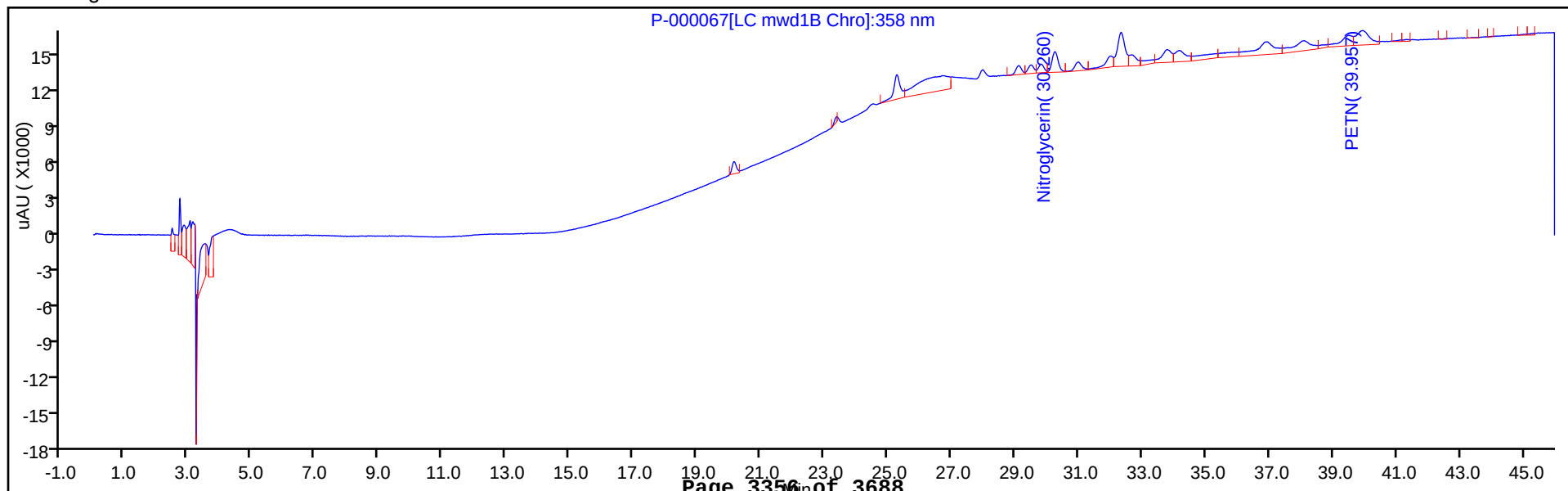
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Y Scaling:



TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC11\20130416-3912.b\P-000067.D

Injection Date: 19-Apr-2013 02:12:21

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC11

Lims Batch ID: 14412

Lims Sample ID: 66

Operator ID: KR/RN

Injection Vol: 500.0 ul

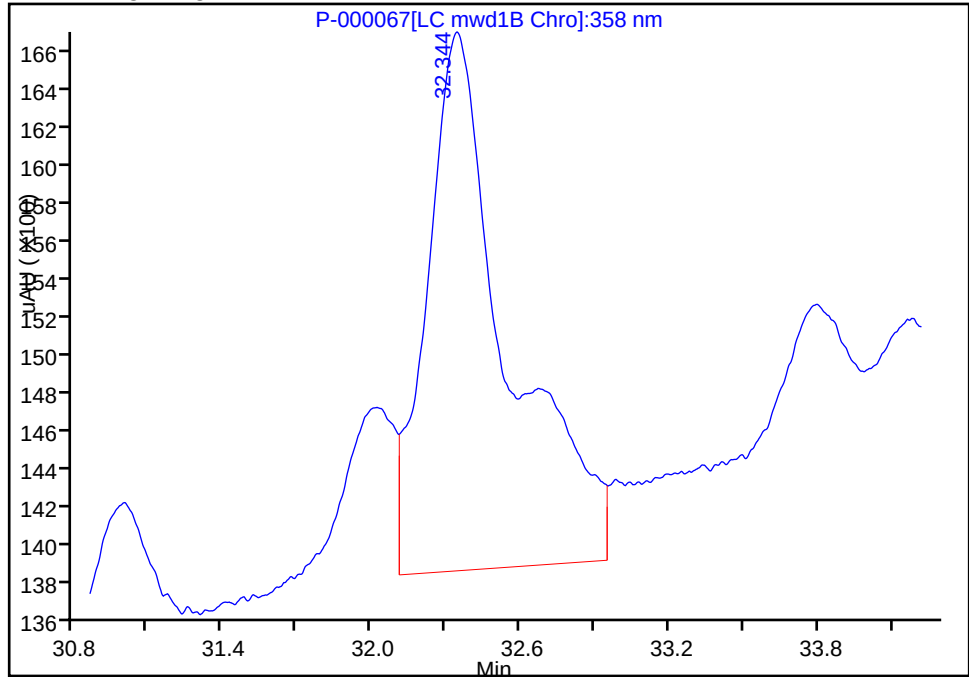
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

\$ 30 3,4-Dinitrotoluene, Signal: 2, Type: quant, RT: 32.34, Det: LC mwd1B

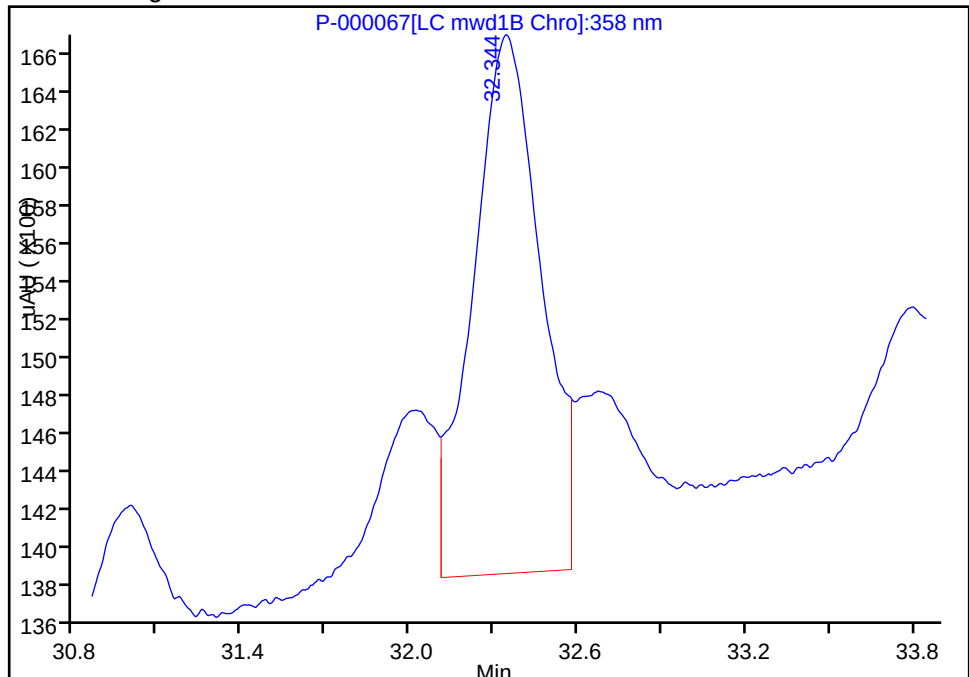
RT: 32.34
Response: 2795
Amount: 21.648390

Processing Integration Results



RT: 32.34
Response: 2795
Amount: 21.648390

Manual Integration Results



Reviewer: noonanr, 19-Apr-2013 07:03:40

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1
 SDG No.: _____
 Lab Sample ID: CCV 320-14412/75 Calibration Date: 04/19/2013 10:46
 Instrument ID: LC11 Calib Start Date: 04/30/2012 14:52
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 04/30/2012 21:31
 Lab File ID: P-000076.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	94.21	91.31		96.9	100	-3.1	20.0
RDX	Ave	94.00	89.83		95.6	100	-4.4	20.0
1,3,5-Trinitrobenzene	Ave	215.4	201.8		93.7	100	-6.3	20.0
Picric acid	Ave	189.5	183.9		243	250	-3.0	20.0
1,3-Dinitrobenzene	Ave	228.7	217.3		95.0	100	-5.0	20.0
3,5-Dinitroaniline	Ave	150.4	137.4		91.3	100	-8.7	20.0
Nitrobenzene	Ave	98.42	94.29		95.8	100	-4.2	20.0
Tetryl	Ave	122.8	117.5		95.7	100	-4.3	20.0
Nitroglycerin	Ave	90.04	85.25		94.7	100	-5.3	20.0
2,4,6-Trinitrotoluene	Ave	129.9	126.2		97.1	100	-2.9	20.0
4-Amino-2,6-dinitrotoluene	Ave	104.3	96.22		92.2	100	-7.8	20.0
2-Amino-4,6-dinitrotoluene	Ave	115.7	108.8		94.0	100	-6.0	20.0
2,6-Dinitrotoluene	Ave	79.69	74.90		94.0	100	-6.0	20.0
2,4-Dinitrotoluene	Ave	130.5	125.7		96.3	100	-3.7	20.0
2-Nitrotoluene	Ave	51.81	53.44		103	100	3.1	20.0
4-Nitrotoluene	Ave	66.41	67.78		102	100	2.1	20.0
3-Nitrotoluene	Ave	65.43	66.65		102	100	1.9	20.0
PETN	Ave	51.32	53.62		104	100	4.5	20.0
3,4-Dinitrotoluene	Ave	69.81	69.19		99.1	100	-0.9	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1
 SDG No.: _____
 Lab Sample ID: CCV 320-14412/75 Calibration Date: 04/19/2013 10:46
 Instrument ID: LC11 Calib Start Date: 04/30/2012 14:52
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 04/30/2012 21:31
 Lab File ID: P-000076.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	20.14	19.89	20.39
RDX	23.37	23.12	23.62
1,3,5-Trinitrobenzene	25.27	25.02	25.52
Picric acid	25.74	25.49	25.99
1,3-Dinitrobenzene	27.97	27.72	28.22
3,5-Dinitroaniline	29.10	28.85	29.35
Nitrobenzene	29.49	29.24	29.74
Tetryl	29.81	29.56	30.06
Nitroglycerin	30.25	30.00	30.50
2,4,6-Trinitrotoluene	30.97	30.72	31.22
4-Amino-2,6-dinitrotoluene	31.98	31.73	32.23
2-Amino-4,6-dinitrotoluene	32.65	32.40	32.90
2,6-Dinitrotoluene	33.76	33.51	34.01
2,4-Dinitrotoluene	34.15	33.90	34.40
2-Nitrotoluene	36.89	36.64	37.14
4-Nitrotoluene	38.07	37.82	38.32
3-Nitrotoluene	39.48	39.23	39.73
PETN	39.91	39.66	40.16
3,4-Dinitrotoluene	32.32	32.07	32.57

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC11\20130416-3912.b\P-000076.D
 Lims ID: CCV 05 Client ID:
 Inject. Date: 19-Apr-2013 10:46:30 Dil. Factor: 1.0000
 Sample Type: CCVRT
 Sample ID: 320-0003912-075
 Misc. Info.:
 Operator: KR/RN Instrument ID: LC11
 Injection Vol: 500.0 ul ALS Bottle#: 6
 Lims Batch ID: 14412 Lims Sample ID: 75
 Sublist: chrom-8330 Metab LC11*sub1
 Method: \\SACChrom\ChromData\LC11\20130416-3912.b\8330 Metab LC11.m
 Last Update: 19-Apr-2013 13:50:36 Calib Date: 30-Apr-2012 21:31:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC11\20120531-303.b\M-009.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK006

First Level Reviewer: noonanr

Date: 19-Apr-2013 13:50:36

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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11 HMX						
1	20.144	20.144	0.0	9131	96.9	
19 RDX						
1	23.371	23.371	0.0	8983	95.6	
27 1,3,5-Trinitrobenzene						
1	25.268	25.268	0.0	20179	93.7	
10 2,4,6-Trinitrophenol						
2	25.744	25.744	0.0	45971	242.6	
1	25.744	25.744	0.0	31181	252.2	
24 1,3-Dinitrobenzene						
1	27.971	27.971	0.0	21733	95.0	
9 3,5-Dinitroaniline						
1	29.104	29.104	0.0	13740	91.3	
5 Nitrobenzene						
1	29.494	29.494	0.0	9429	95.8	
20 Tetryl						
1	29.814	29.814	0.0	11750	95.7	
7 Nitroglycerin						
2	30.251	30.251	0.0	8525	94.7	
25 2,4,6-Trinitrotoluene						
1	30.971	30.971	0.0	12619	97.1	
26 4-Amino-2,6-dinitrotoluene						
1	31.984	31.984	0.0	9622	92.2	
\$ 30 3,4-Dinitrotoluene						
1	32.321	32.321	0.0	6919	99.1	
2	32.321	32.321	0.0	13506	104.6	
6 2-Amino-4,6-dinitrotoluene						
1	32.651	32.651	0.0	10876	94.0	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
12 2,6-Dinitrotoluene						
1	33.764	33.764	0.0	7490	94.0	
23 2,4-Dinitrotoluene						
1	34.148	34.148	0.0	12568	96.3	
16 o-Nitrotoluene						
1	36.887	36.887	0.0	5344	103.1	
15 p-Nitrotoluene						
1	38.071	38.071	0.0	6778	102.1	
8 m-Nitrotoluene						
1	39.481	39.481	0.0	6665	101.9	
21 PETN						
2	39.914	39.914	0.0	5362	104.5	

Report Date: 19-Apr-2013 13:50:37

Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC11\20130416-3912.b\IP-000076.D

Injection Date: 19-Apr-2013 10:46:30

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC11

Lims Batch ID: 14412

Lims Sample ID: 75

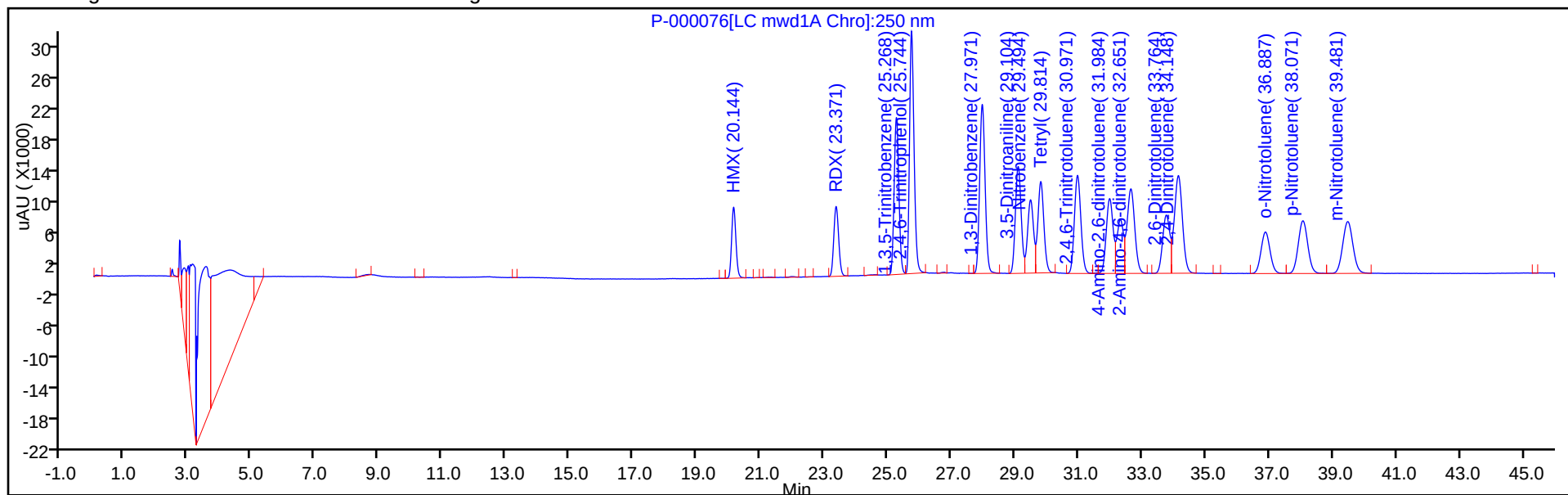
Operator ID: KR/RN

Injection Vol: 500.0 ul

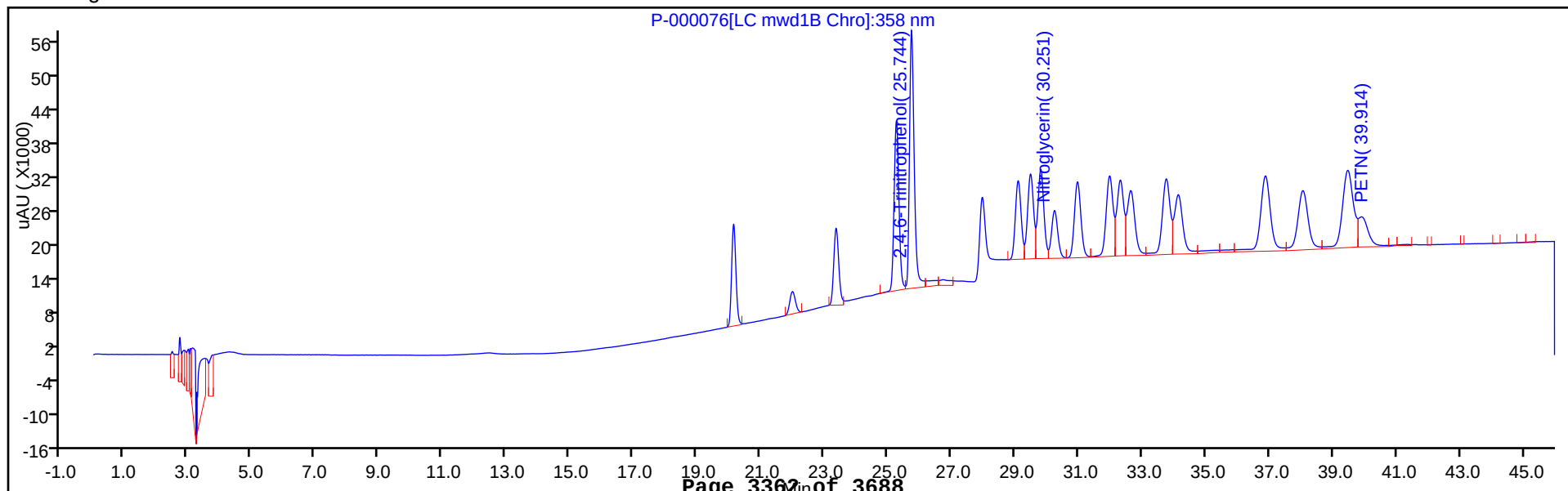
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1
 SDG No.: _____
 Lab Sample ID: CCV 320-14412/86 Calibration Date: 04/19/2013 21:15
 Instrument ID: LC11 Calib Start Date: 04/30/2012 14:52
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 04/30/2012 21:31
 Lab File ID: P-000087.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	94.21	89.46		95.0	100	-5.0	20.0
RDX	Ave	94.00	88.27		93.9	100	-6.1	20.0
1,3,5-Trinitrobenzene	Ave	215.4	199.3		92.5	100	-7.5	20.0
Picric acid	Ave	189.5	180.6		238	250	-4.7	20.0
1,3-Dinitrobenzene	Ave	228.7	216.6		94.7	100	-5.3	20.0
3,5-Dinitroaniline	Ave	150.4	136.0		90.4	100	-9.6	20.0
Nitrobenzene	Ave	98.42	93.19		94.7	100	-5.3	20.0
Tetryl	Ave	122.8	117.0		95.3	100	-4.7	20.0
Nitroglycerin	Ave	90.04	84.87		94.3	100	-5.7	20.0
2,4,6-Trinitrotoluene	Ave	129.9	125.0		96.2	100	-3.8	20.0
4-Amino-2,6-dinitrotoluene	Ave	104.3	95.39		91.4	100	-8.6	20.0
2-Amino-4,6-dinitrotoluene	Ave	115.7	107.6		93.0	100	-7.0	20.0
2,6-Dinitrotoluene	Ave	79.69	75.21		94.4	100	-5.6	20.0
2,4-Dinitrotoluene	Ave	130.5	125.9		96.4	100	-3.6	20.0
2-Nitrotoluene	Ave	51.81	52.27		101	100	0.9	20.0
4-Nitrotoluene	Ave	66.41	66.52		100	100	0.2	20.0
3-Nitrotoluene	Ave	65.43	65.28		99.8	100	-0.2	20.0
PETN	Ave	51.32	53.25		104	100	3.8	20.0
3,4-Dinitrotoluene	Ave	69.81	69.15		99.1	100	-0.9	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1
 SDG No.: _____
 Lab Sample ID: CCV 320-14412/86 Calibration Date: 04/19/2013 21:15
 Instrument ID: LC11 Calib Start Date: 04/30/2012 14:52
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 04/30/2012 21:31
 Lab File ID: P-000087.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	20.15	19.90	20.40
RDX	23.37	23.12	23.62
1,3,5-Trinitrobenzene	25.27	25.02	25.52
Picric acid	25.75	25.50	26.00
1,3-Dinitrobenzene	27.97	27.72	28.22
3,5-Dinitroaniline	29.10	28.85	29.35
Nitrobenzene	29.49	29.24	29.74
Tetryl	29.81	29.56	30.06
Nitroglycerin	30.25	30.00	30.50
2,4,6-Trinitrotoluene	30.97	30.72	31.22
4-Amino-2,6-dinitrotoluene	31.98	31.73	32.23
2-Amino-4,6-dinitrotoluene	32.65	32.40	32.90
2,6-Dinitrotoluene	33.77	33.52	34.02
2,4-Dinitrotoluene	34.15	33.90	34.40
2-Nitrotoluene	36.89	36.64	37.14
4-Nitrotoluene	38.07	37.82	38.32
3-Nitrotoluene	39.47	39.22	39.72
PETN	39.90	39.65	40.15
3,4-Dinitrotoluene	32.32	32.07	32.57

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC11\20130416-3912.b\P-000087.D
 Lims ID: CCV 05 Client ID:
 Inject. Date: 19-Apr-2013 21:15:21 Dil. Factor: 1.0000
 Sample Type: CCVRT
 Sample ID: 320-0003912-086
 Misc. Info.:
 Operator: KR/RN Instrument ID: LC11
 Injection Vol: 500.0 ul ALS Bottle#: 6
 Lims Batch ID: 14412 Lims Sample ID: 86
 Sublist: chrom-8330 Metab LC11*sub1
 Method: \\SACChrom\ChromData\LC11\20130416-3912.b\8330 Metab LC11.m
 Last Update: 22-Apr-2013 15:42:46 Calib Date: 30-Apr-2012 21:31:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC11\20120531-303.b\M-009.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK016

First Level Reviewer: noonanr

Date: 22-Apr-2013 15:42:46

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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11 HMX						
1	20.146	20.146	0.0	8946	95.0	
19 RDX						
1	23.373	23.373	0.0	8827	93.9	
27 1,3,5-Trinitrobenzene						
1	25.270	25.270	0.0	19930	92.5	
10 2,4,6-Trinitrophenol						
2	25.746	25.746	0.0	45161	238.3	
1	25.746	25.746	0.0	30747	248.7	
24 1,3-Dinitrobenzene						
1	27.970	27.970	0.0	21663	94.7	
9 3,5-Dinitroaniline						
1	29.100	29.100	0.0	13598	90.4	
5 Nitrobenzene						
1	29.490	29.490	0.0	9319	94.7	
20 Tetryl						
1	29.813	29.813	0.0	11696	95.3	
7 Nitroglycerin						
2	30.246	30.246	0.0	8487	94.3	
25 2,4,6-Trinitrotoluene						
1	30.970	30.970	0.0	12496	96.2	
26 4-Amino-2,6-dinitrotoluene						
1	31.983	31.983	0.0	9539	91.4	
\$ 30 3,4-Dinitrotoluene						
1	32.320	32.320	0.0	6915	99.1	
2	32.323	32.323	0.0	13438	104.1	
6 2-Amino-4,6-dinitrotoluene						
1	32.653	32.653	0.0	10764	93.0	

Data File: \\SACChrom\ChromData\LC11\20130416-3912.b\P-000087.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
12 2,6-Dinitrotoluene						
1	33.770	33.770	0.0	7521	94.4	
23 2,4-Dinitrotoluene						
1	34.146	34.146	0.0	12587	96.4	
16 o-Nitrotoluene						
1	36.886	36.886	0.0	5227	100.9	
15 p-Nitrotoluene						
1	38.066	38.066	0.0	6652	100.2	
8 m-Nitrotoluene						
1	39.473	39.473	0.0	6528	99.8	
21 PETN						
2	39.896	39.896	0.0	5325	103.8	

Report Date: 22-Apr-2013 15:42:46

Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC11\20130416-3912.b\IP-000087.D

Injection Date: 19-Apr-2013 21:15:21

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC11

Lims Batch ID: 14412

Lims Sample ID: 86

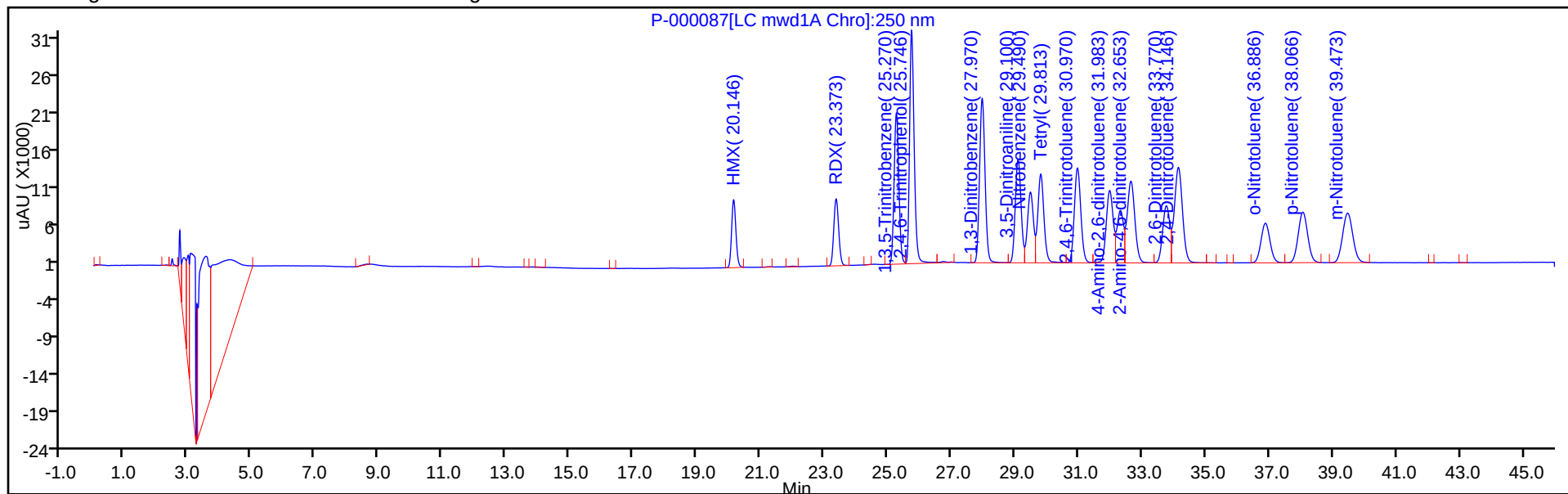
Operator ID: KR/RN

Injection Vol: 500.0 ul

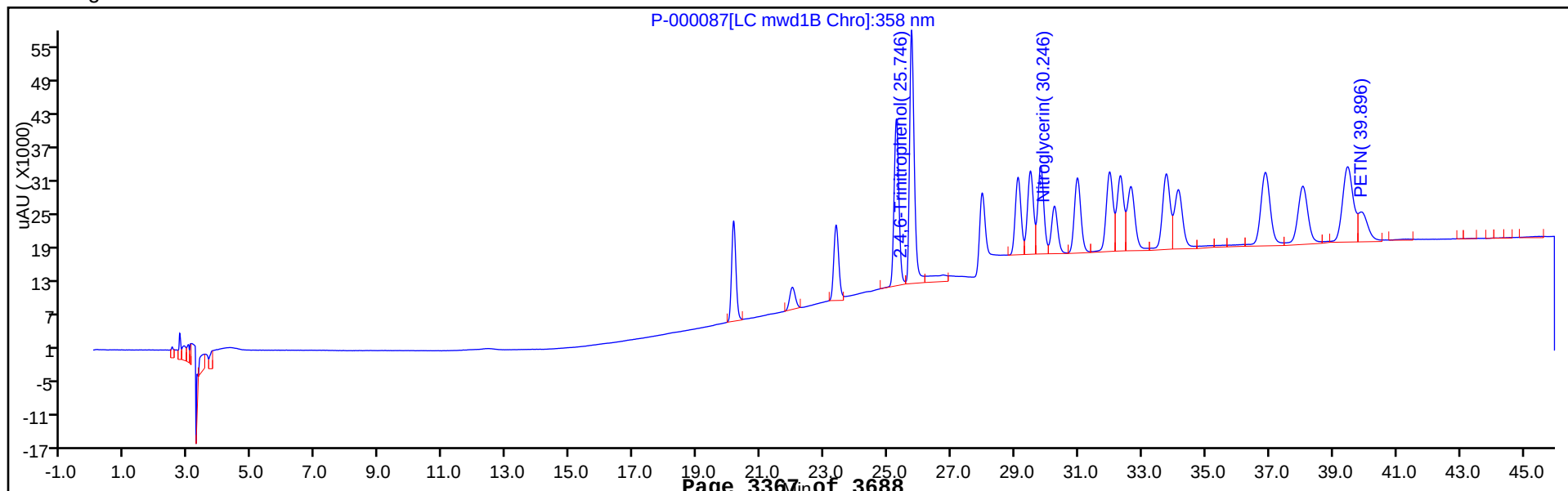
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1
 SDG No.: _____
 Lab Sample ID: CCVL 320-14412/92 Calibration Date: 04/20/2013 03:54
 Instrument ID: LC11 Calib Start Date: 04/30/2012 14:52
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 04/30/2012 21:31
 Lab File ID: P-000094.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	94.21	102.2		5.42	5.00	8.5	30.0
RDX	Ave	94.00	102.6		5.46	5.00	9.2	30.0
1,3,5-Trinitrobenzene	Ave	215.4	225.2		5.23	5.00	4.5	30.0
1,3-Dinitrobenzene	Ave	228.7	233.4		5.10	5.00	2.1	30.0
3,5-Dinitroaniline	Ave	150.4	150.0		4.99	5.00	-0.3	30.0
Nitrobenzene	Ave	98.42	95.20		4.84	5.00	-3.3	30.0
Tetryl	Ave	122.8	114.6		4.67	5.00	-6.7	30.0
Nitroglycerin	Ave	90.04	86.95		19.3	20.0	-3.4	30.0
2,4,6-Trinitrotoluene	Ave	129.9	133.4		5.13	5.00	2.7	30.0
4-Amino-2,6-dinitrotoluene	Ave	104.3	107.2		5.14	5.00	2.7	30.0
2-Amino-4,6-dinitrotoluene	Ave	115.7	125.0		5.40	5.00	8.0	30.0
2,6-Dinitrotoluene	Ave	79.69	84.40		5.30	5.00	5.9	30.0
2,4-Dinitrotoluene	Ave	130.5	138.2		5.29	5.00	5.9	30.0
2-Nitrotoluene	Ave	51.81	49.20		4.75	5.00	-5.0	30.0
4-Nitrotoluene	Ave	66.41	67.60		5.09	5.00	1.8	30.0
3-Nitrotoluene	Ave	65.43	61.60		4.71	5.00	-5.8	30.0
PETN	Ave	51.32	66.95		26.1	20.0	30.4*	30.0
3,4-Dinitrotoluene	Ave	69.81	67.65		19.4	20.0	-3.1	30.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1
 SDG No.: _____
 Lab Sample ID: CCVL 320-14412/92 Calibration Date: 04/20/2013 03:54
 Instrument ID: LC11 Calib Start Date: 04/30/2012 14:52
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 04/30/2012 21:31
 Lab File ID: P-000094.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	20.14	19.89	20.39
RDX	23.38	23.13	23.63
1,3,5-Trinitrobenzene	25.27	25.02	25.52
1,3-Dinitrobenzene	27.97	27.72	28.22
3,5-Dinitroaniline	29.12	28.87	29.37
Nitrobenzene	29.50	29.25	29.75
Tetryl	29.83	29.58	30.08
Nitroglycerin	30.26	30.01	30.51
2,4,6-Trinitrotoluene	30.98	30.73	31.23
4-Amino-2,6-dinitrotoluene	32.00	31.75	32.25
2-Amino-4,6-dinitrotoluene	32.66	32.41	32.91
2,6-Dinitrotoluene	33.80	33.55	34.05
2,4-Dinitrotoluene	34.16	33.91	34.41
2-Nitrotoluene	36.90	36.65	37.15
4-Nitrotoluene	38.06	37.81	38.31
3-Nitrotoluene	39.48	39.23	39.73
PETN	39.93	39.68	40.18
3,4-Dinitrotoluene	32.33	32.08	32.58

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC11\20130416-3912.b\P-000094.D
 Lims ID: CCVL Client ID:
 Inject. Date: 20-Apr-2013 03:54:56 Dil. Factor: 1.0000
 Sample Type: CCVL
 Sample ID: 320-0003912-092
 Misc. Info.:
 Operator: KR/RN Instrument ID: LC11
 Injection Vol: 500.0 ul ALS Bottle#: 10
 Lims Batch ID: 14412 Lims Sample ID: 92
 Sublist: chrom-8330 Metab LC11*sub4
 Method: \\SACChrom\ChromData\LC11\20130416-3912.b\8330 Metab LC11.m
 Last Update: 22-Apr-2013 15:49:10 Calib Date: 30-Apr-2012 21:31:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC11\20120531-303.b\M-009.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK016

First Level Reviewer: noonanr

Date: 22-Apr-2013 15:49:10

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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11 HMX						
1	20.143	20.143	0.0	511	5.42	
19 RDX						
1	23.377	23.377	0.0	513	5.46	
27 1,3,5-Trinitrobenzene						
1	25.273	25.273	0.0	1126	5.23	
24 1,3-Dinitrobenzene						
1	27.970	27.970	0.0	1167	5.10	
9 3,5-Dinitroaniline						
1	29.117	29.117	0.0	750	4.99	
5 Nitrobenzene						
1	29.503	29.503	0.0	476	4.84	
20 Tetryl						
1	29.827	29.827	0.0	573	4.67	
7 Nitroglycerin						
2	30.260	30.260	0.0	1739	19.3	
25 2,4,6-Trinitrotoluene						
1	30.977	30.977	0.0	667	5.13	
26 4-Amino-2,6-dinitrotoluene						
1	31.997	31.997	0.0	536	5.14	
\$ 30 3,4-Dinitrotoluene						
1	32.327	32.327	0.0	1353	19.4	
2	32.333	32.333	0.0	2878	22.3	
6 2-Amino-4,6-dinitrotoluene						
1	32.660	32.660	0.0	625	5.40	
12 2,6-Dinitrotoluene						
1	33.800	33.800	0.0	422	5.30	

Data File: \\SACChrom\ChromData\LC11\20130416-3912.b\P-000094.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
23 2,4-Dinitrotoluene						
1	34.157	34.157	0.0	691	5.29	
16 o-Nitrotoluene						
1	36.900	36.900	0.0	246	4.75	
15 p-Nitrotoluene						
1	38.063	38.063	0.0	338	5.09	
8 m-Nitrotoluene						
1	39.480	39.480	0.0	308	4.71	
21 PETN						
2	39.927	39.927	0.0	1339	26.1	

Report Date: 22-Apr-2013 15:49:10

Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC11\20130416-3912.b\IP-000094.D

Injection Date: 20-Apr-2013 03:54:56

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC11

Lims Batch ID: 14412

Lims Sample ID: 92

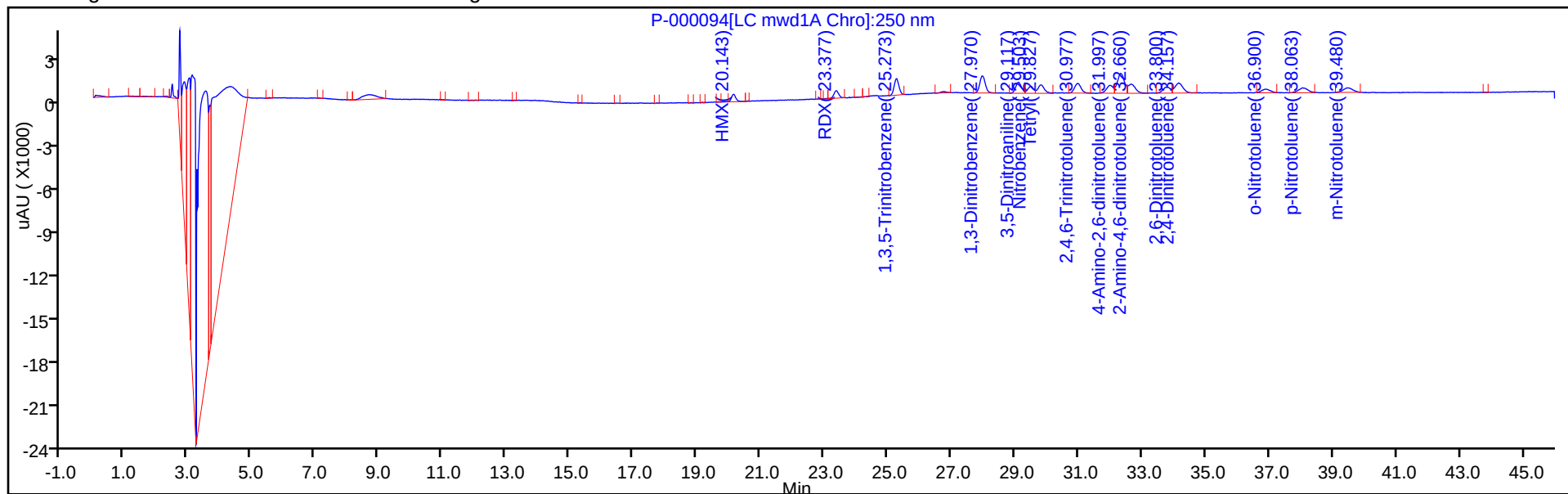
Operator ID: KR/RN

Injection Vol: 500.0 ul

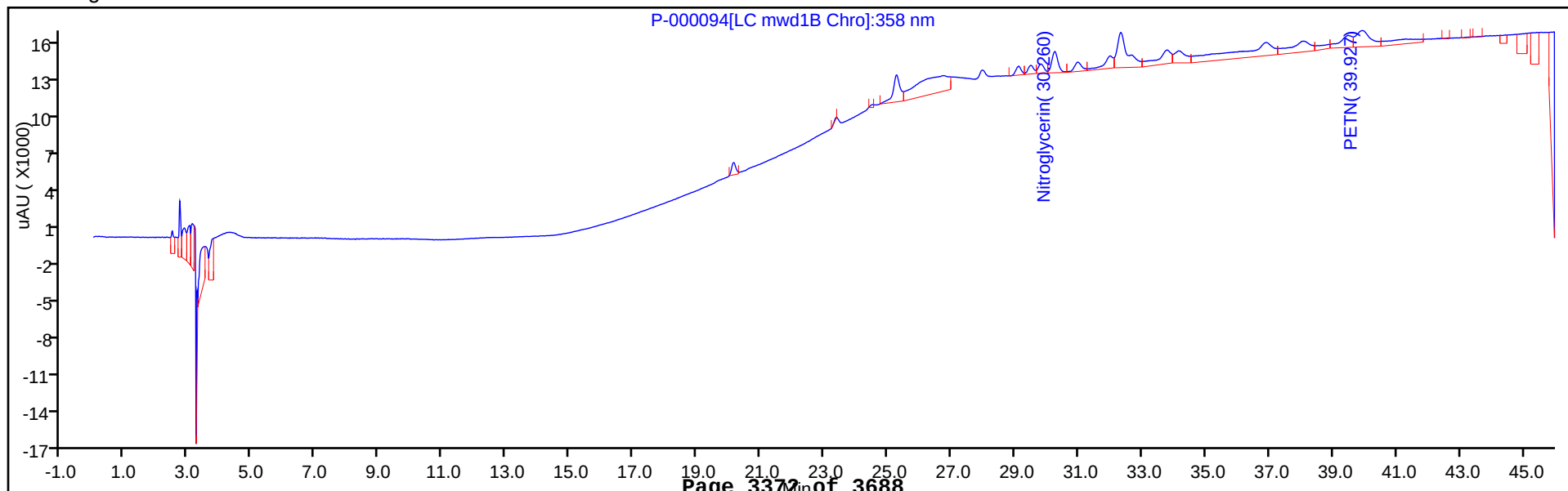
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1
 SDG No.: _____
 Lab Sample ID: ICV 320-10422/11 Calibration Date: 02/14/2013 03:05
 Instrument ID: LC12 Calib Start Date: 02/13/2013 17:16
 GC Column: Zorbax CN ID: 4.60 (mm) Calib End Date: 02/14/2013 00:54
 Lab File ID: M000012.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Picric acid	None		0.0870		0.500	1000	-100.0*	20.0
Nitrobenzene	Ave	48.34	48.04		497	500	-0.6	20.0
Ethylene glycol dinitrate	Ave	21.88	22.05		504	500	0.8	20.0
1,3-Dinitrobenzene	Ave	106.1	100.8		475	500	-4.9	20.0
1,3,5-Trinitrobenzene	Ave	82.14	79.18		482	500	-3.6	20.0
2-Nitrotoluene	Ave	63.47	61.84		487	500	-2.6	20.0
4-Nitrotoluene	Ave	63.47	61.84		487	500	-2.6	20.0
3-Nitrotoluene	Ave	42.38	39.90		471	500	-5.8	20.0
3,5-Dinitroaniline	Ave	82.33	80.95		492	500	-1.7	20.0
RDX	Ave	49.04	45.73		466	500	-6.7	20.0
2,4-Dinitrotoluene	Ave	88.34	87.12		493	500	-1.4	20.0
2,6-Dinitrotoluene	Ave	53.63	52.70		491	500	-1.7	20.0
2-Amino-4,6-dinitrotoluene	Ave	74.40	76.75		516	500	3.2	20.0
4-Amino-2,6-dinitrotoluene	Ave	70.31	70.74		503	500	0.6	20.0
2,4,6-Trinitrotoluene	Ave	87.92	94.20		536	500	7.1	20.0
HMX	Ave	65.31	66.47		509	500	1.8	20.0
Nitroglycerin	Ave	91.50	99.16		542	500	8.4	20.0
Tetryl	Ave	118.9	137.0		576	500	15.2	20.0
PETN	Ave	146.8	152.3		519	500	3.8	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1
 SDG No.: _____
 Lab Sample ID: ICV 320-10422/11 Calibration Date: 02/14/2013 03:05
 Instrument ID: LC12 Calib Start Date: 02/13/2013 17:16
 GC Column: Zorbax CN ID: 4.60 (mm) Calib End Date: 02/14/2013 00:54
 Lab File ID: M000012.D

Analyte	RT	RT WINDOW	
		FROM	TO
Picric acid	0.10	0.00	0.35
Nitrobenzene	22.76	22.51	23.01
Ethylene glycol dinitrate	23.99	23.74	24.24
1,3-Dinitrobenzene	25.86	25.61	26.11
1,3,5-Trinitrobenzene	28.79	28.54	29.04
2-Nitrotoluene	29.95	29.70	30.20
4-Nitrotoluene	29.95	29.70	30.20
3-Nitrotoluene	30.56	30.31	30.81
3,5-Dinitroaniline	31.97	31.72	32.22
RDX	32.58	32.33	32.83
2,4-Dinitrotoluene	33.82	33.57	34.07
2,6-Dinitrotoluene	34.84	34.59	35.09
2-Amino-4,6-dinitrotoluene	36.93	36.68	37.18
4-Amino-2,6-dinitrotoluene	37.50	37.25	37.75
2,4,6-Trinitrotoluene	41.27	41.02	41.52
HMX	42.70	42.45	42.95
Nitroglycerin	45.21	44.96	45.46
Tetryl	46.79	46.54	47.04
PETN	53.11	52.86	53.36

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC12\20130213-2792.b\M000012.D

Lims ID: ICV

Client ID:

Inject. Date: 14-Feb-2013 03:05:41

Dil. Factor: 1.0000

Sample Type: ICV

Sample ID: 320-0002792-011

Misc. Info.:

Operator: RN

Instrument ID: LC12

Injection Vol: 500.0 ul

ALS Bottle#: 20

Lims Batch ID: 10422

Lims Sample ID: 11

Sublist:

Method: \\SACChrom\ChromData\LC12\20130213-2792.b\LC12_Conf_8330.m

Last Update: 14-Feb-2013 07:52:21

Calib Date: 14-Feb-2013 00:54:32

Quant Method: External Standard

Quant By: Initial Calibration

Last ICal File: \\SACChrom\ChromData\LC12\20130213-2792.b\M000010.D

Limit Group: LC 8330B ICAL

Integrator: Falcon

Column Type: Zorbax Cyano CN

Column Dia: 4.60 mm

Process Host: XAWRK023

First Level Reviewer: noonanr

Date: 14-Feb-2013 07:51:34

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

10 2,4,6-Trinitrophenol

2 0.096 0.096 0.0 87 0

1 0.096 0.096 0.0 92 0

5 Nitrobenzene

1 22.763 22.763 0.0 24018 496.9

3 Ethylene glycol dinitrate

2 23.993 23.993 0.0 11023 503.9

24 1,3-Dinitrobenzene

1 25.863 25.863 0.0 50405 475.3

27 1,3,5-Trinitrobenzene

1 28.786 28.786 0.0 39588 482.0

16 o-Nitrotoluene

1 29.953 29.953 0.0 30919 487.1

15 p-Nitrotoluene

1 29.953 29.953 0.0 30919 487.1

8 m-Nitrotoluene

1 30.560 30.560 0.0 19952 470.8

9 3,5-Dinitroaniline

1 31.970 31.970 0.0 40475 491.6

19 RDX

1 32.580 32.580 0.0 22864 466.3

23 2,4-Dinitrotoluene

1 33.820 33.820 0.0 43562 493.1

12 2,6-Dinitrotoluene

1 34.843 34.843 0.0 26351 491.4

6 2-Amino-4,6-dinitrotoluene

1 36.933 36.933 0.0 38373 515.8

Data File: \\SACChrom\ChromData\LC12\20130213-2792.b\M000012.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
26 4-Amino-2,6-dinitrotoluene						
1	37.503	37.503	0.0	35368	503.0	
25 2,4,6-Trinitrotoluene						
1	41.273	41.273	0.0	47098	535.7	
11 HMX						
1	42.696	42.696	0.0	33235	508.9	
7 Nitroglycerin						
2	45.206	45.206	0.0	49581	541.9	
20 Tetryl						
1	46.786	46.786	0.0	68518	576.1	
21 PETN						
2	53.113	53.113	0.0	76141	518.8	

Report Date: 14-Feb-2013 07:52:22

Chrom Revision: 2.1 23-Jan-2013 14:30:26

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC12\20130213-2792.b\M000012.D

Injection Date: 14-Feb-2013 03:05:41

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC12

Lims Batch ID: 10422

Lims Sample ID: 11

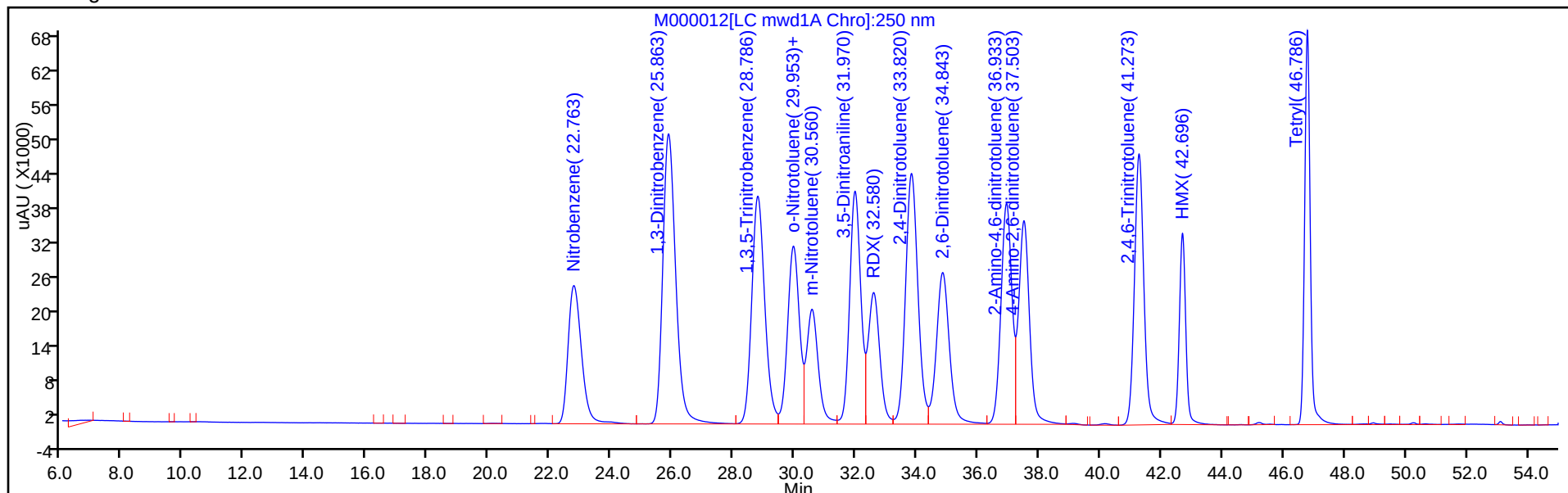
Operator ID: RN

Injection Vol: 500.0 ul

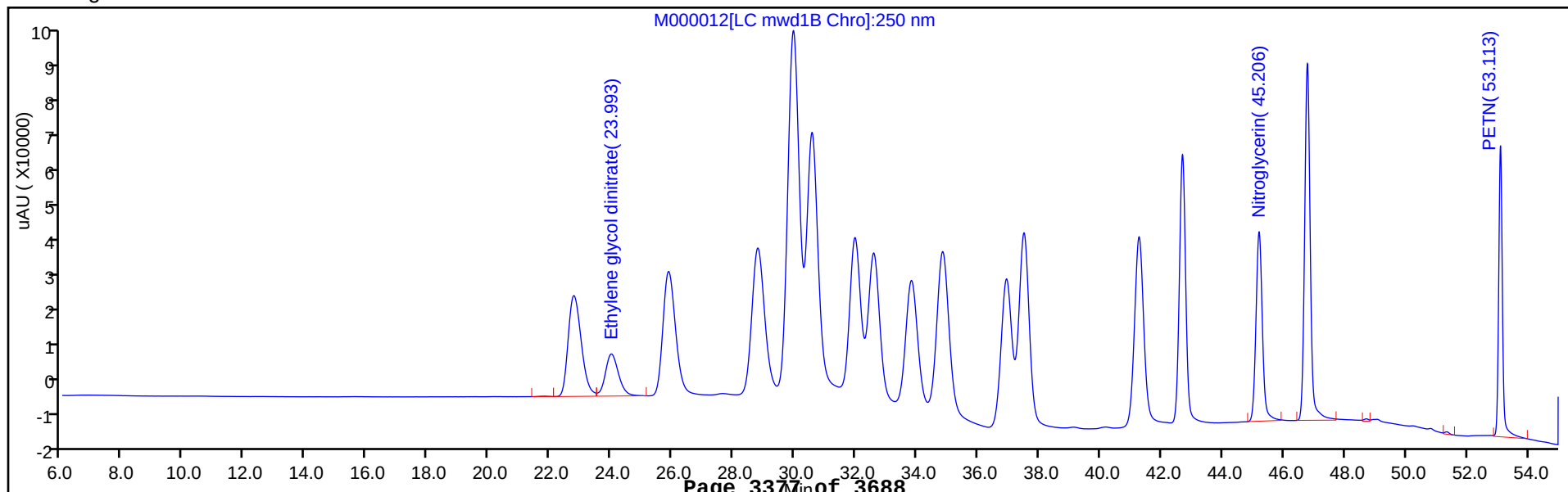
Column Type: Zorbax Cyano CN

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1

SDG No.: _____

Lab Sample ID: LODV 320-10422/12 Calibration Date: 02/14/2013 04:11

Instrument ID: LC12 Calib Start Date: 02/13/2013 17:16

GC Column: Zorbax CN ID: 4.60 (mm) Calib End Date: 02/14/2013 00:54

Lab File ID: M000013.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitrobenzene	Ave	48.34	51.80		5.36	5.00	7.2	
1,3-Dinitrobenzene	Ave	106.1	115.8		5.46	5.00	9.2	
1,3,5-Trinitrobenzene	Ave	82.14	91.20		5.55	5.00	11.0	
2-Nitrotoluene	Ave	63.47	66.80		5.26	5.00	5.2	
4-Nitrotoluene	Ave	63.47	66.80		5.26	5.00	5.2	
3-Nitrotoluene	Ave	42.38	43.20		5.10	5.00	1.9	
3,5-Dinitroaniline	Ave	82.33	100.2		6.09	5.00	21.7	
RDX	Ave	49.04	60.20		6.14	5.00	22.8	
2,4-Dinitrotoluene	Ave	88.34	101.2		5.73	5.00	14.6	
2,6-Dinitrotoluene	Ave	53.63	60.80		5.67	5.00	13.4	
2-Amino-4,6-dinitrotoluene	Ave	74.40	78.40		5.27	5.00	5.4	
4-Amino-2,6-dinitrotoluene	Ave	70.31	78.20		5.56	5.00	11.2	
2,4,6-Trinitrotoluene	Ave	87.92	99.40		5.65	5.00	13.1	
HMX	Ave	65.31	71.80		5.50	5.00	9.9	
Nitroglycerin	Ave	91.50	88.10		19.3	20.0	-3.7	
Tetryl	Ave	118.9	133.4		5.61	5.00	12.2	
PETN	Ave	146.8	141.0		19.2	20.0	-3.9	
3,4-Dinitrotoluene	Ave	53.42	53.85		20.2	20.0	0.8	

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1
 SDG No.: _____
 Lab Sample ID: LODV 320-10422/12 Calibration Date: 02/14/2013 04:11
 Instrument ID: LC12 Calib Start Date: 02/13/2013 17:16
 GC Column: Zorbax CN ID: 4.60 (mm) Calib End Date: 02/14/2013 00:54
 Lab File ID: M000013.D

Analyte	RT	RT WINDOW	
		FROM	TO
Picric acid	0.10	0.00	0.35
Nitrobenzene	22.77	22.51	23.01
1,3-Dinitrobenzene	25.89	25.61	26.11
1,3,5-Trinitrobenzene	28.82	28.54	29.04
2-Nitrotoluene	29.98	29.70	30.20
4-Nitrotoluene	29.98	29.70	30.20
3-Nitrotoluene	30.54	30.31	30.81
3,5-Dinitroaniline	31.94	31.72	32.22
RDX	32.57	32.33	32.83
2,4-Dinitrotoluene	33.81	33.57	34.07
2,6-Dinitrotoluene	34.83	34.59	35.09
2-Amino-4,6-dinitrotoluene	36.92	36.68	37.18
4-Amino-2,6-dinitrotoluene	37.50	37.25	37.75
2,4,6-Trinitrotoluene	41.27	41.02	41.52
HMX	42.69	42.45	42.95
Nitroglycerin	45.18	44.96	45.46
Tetryl	46.77	46.54	47.04
PETN	53.11	52.86	53.36
Ethylene glycol dinitrate			
3,4-Dinitrotoluene	39.07	38.75	39.25

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC12\20130213-2792.b\M000013.D
 Lims ID: LODV 5-20ng/mL Client ID:
 Inject. Date: 14-Feb-2013 04:11:14 Dil. Factor: 1.0000
 Sample Type: LODV
 Sample ID: 320-0002792-012
 Misc. Info.:
 Operator: RN Instrument ID: LC12
 Injection Vol: 500.0 ul ALS Bottle#: 10
 Lims Batch ID: 10422 Lims Sample ID: 12
 Method: \\SACChrom\ChromData\LC12\20130213-2792.b\LC12_Conf_8330.m
 Last Update: 14-Feb-2013 08:04:02 Calib Date: 14-Feb-2013 00:54:32
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC12\20130213-2792.b\M000010.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Zorbax Cyano CN Column Dia: 4.60 mm
 Process Host: XAWRK023

First Level Reviewer: noonanr

Date: 14-Feb-2013 07:52:12

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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10 2,4,6-Trinitrophenol						
2	0.102	0.096	0.006	111	0	
1	0.102	0.096	0.006	99	0	
5 Nitrobenzene						
1	22.772	22.763	0.009	259	5.36	
24 1,3-Dinitrobenzene						
1	25.886	25.863	0.023	579	5.46	
27 1,3,5-Trinitrobenzene						
1	28.816	28.786	0.030	456	5.55	
16 o-Nitrotoluene						
1	29.979	29.953	0.026	334	5.26	
15 p-Nitrotoluene						
1	29.979	29.953	0.026	334	5.26	
8 m-Nitrotoluene						
1	30.539	30.560	-0.021	216	5.10	
9 3,5-Dinitroaniline						
1	31.939	31.970	-0.031	501	6.09	
19 RDX						
1	32.566	32.580	-0.014	301	6.14	
23 2,4-Dinitrotoluene						
1	33.812	33.820	-0.008	506	5.73	
12 2,6-Dinitrotoluene						
1	34.826	34.843	-0.017	304	5.67	
6 2-Amino-4,6-dinitrotoluene						
1	36.919	36.933	-0.014	392	5.27	
26 4-Amino-2,6-dinitrotoluene						
1	37.502	37.503	-0.001	391	5.56	
\$ 30 3,4-Dinitrotoluene						
1	39.072	38.999	0.073	1077		

Data File: \\SACChrom\ChromData\LC12\20130213-2792.b\M000013.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
25 2,4,6-Trinitrotoluene						
1	41.266	41.273	-0.007	497	5.65	
11 HMX						
1	42.686	42.696	-0.010	359	5.50	
7 Nitroglycerin						
2	45.182	45.206	-0.024	1762	19.3	
20 Tetryl						
1	46.766	46.786	-0.020	667	5.61	
21 PETN						
2	53.109	53.113	-0.004	2820	19.2	

Report Date: 14-Feb-2013 08:04:10

Chrom Revision: 2.1 23-Jan-2013 14:30:26

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC12\20130213-2792.b\M000013.D

Injection Date: 14-Feb-2013 04:11:14

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC12

Lims Batch ID: 10422

Lims Sample ID: 12

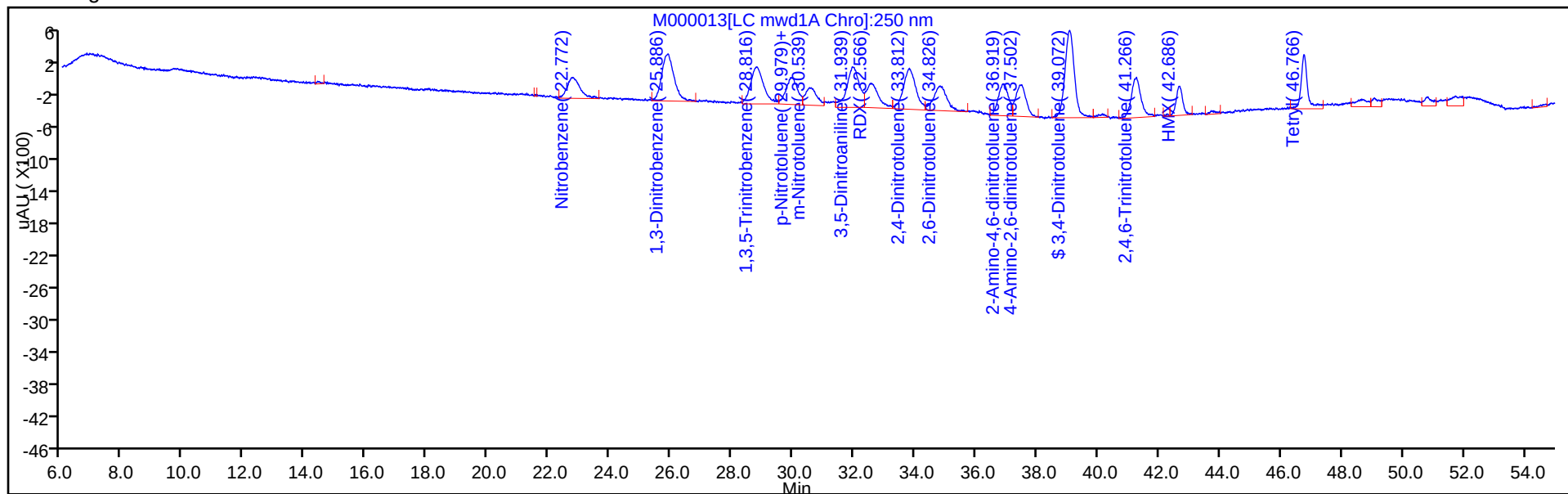
Operator ID: RN

Injection Vol: 500.0 ul

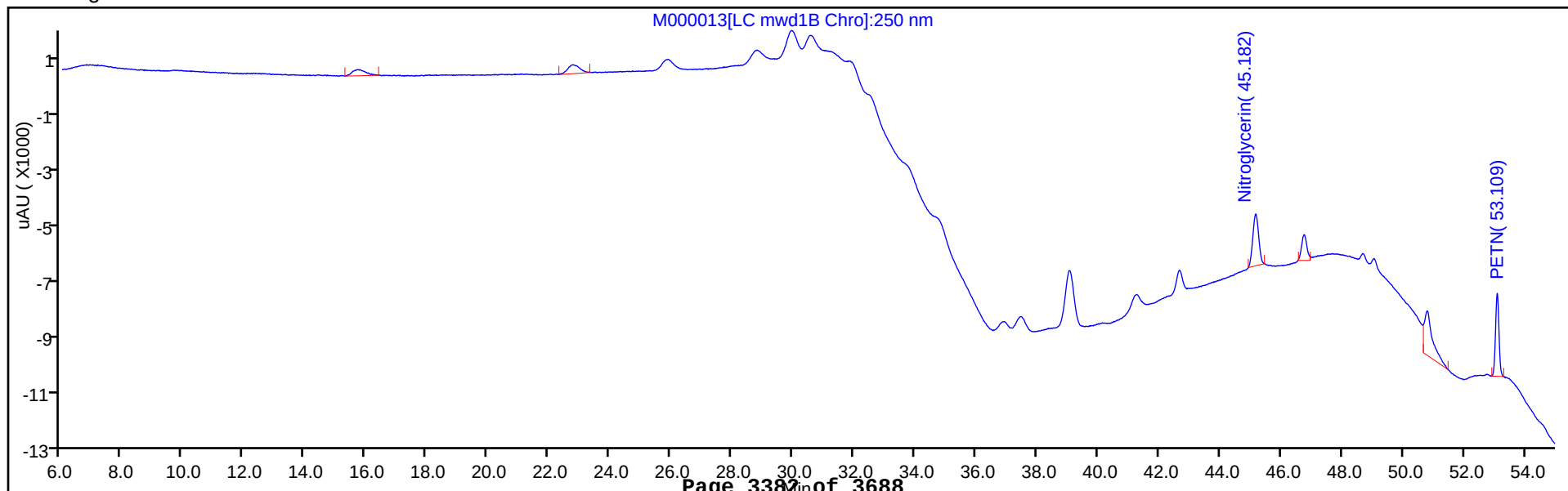
Column Type: Zorbax Cyano CN

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1
 SDG No.: _____
 Lab Sample ID: CCVL 320-14998/4 Calibration Date: 04/25/2013 00:24
 Instrument ID: LC12 Calib Start Date: 02/13/2013 17:16
 GC Column: Zorbax CN ID: 4.60 (mm) Calib End Date: 02/14/2013 00:54
 Lab File ID: X000030.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitrobenzene	Ave	48.34	51.80		5.36	5.00	7.2	20.0
1,3-Dinitrobenzene	Ave	106.1	109.2		5.15	5.00	3.0	20.0
1,3,5-Trinitrobenzene	Ave	82.14	85.40		5.20	5.00	4.0	20.0
2-Nitrotoluene	Ave	63.47	67.40		5.31	5.00	6.2	20.0
4-Nitrotoluene	Ave	63.47	67.40		5.31	5.00	6.2	20.0
3-Nitrotoluene	Ave	42.38	49.00		5.78	5.00	15.6	20.0
3,5-Dinitroaniline	Ave	82.33	94.20		5.72	5.00	14.4	20.0
RDX	Ave	49.04	64.00		6.53	5.00	30.5*	20.0
2,4-Dinitrotoluene	Ave	88.34	96.40		5.46	5.00	9.1	20.0
2,6-Dinitrotoluene	Ave	53.63	57.20		5.33	5.00	6.7	20.0
2-Amino-4,6-dinitrotoluene	Ave	74.40	72.80		4.89	5.00	-2.2	20.0
4-Amino-2,6-dinitrotoluene	Ave	70.31	62.40		4.44	5.00	-11.3	20.0
2,4,6-Trinitrotoluene	Ave	87.92	82.60		4.70	5.00	-6.0	20.0
HMX	Ave	65.31	67.00		5.13	5.00	2.6	20.0
Nitroglycerin	Ave	91.50	84.85		18.5	20.0	-7.3	20.0
Tetryl	Ave	118.9	119.4		5.02	5.00	0.4	20.0
PETN	Ave	146.8	136.9		18.7	20.0	-6.7	20.0
3,4-Dinitrotoluene	Ave	53.42	52.20		19.5	20.0	-2.3	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1
 SDG No.: _____
 Lab Sample ID: CCVL 320-14998/4 Calibration Date: 04/25/2013 00:24
 Instrument ID: LC12 Calib Start Date: 02/13/2013 17:16
 GC Column: Zorbax CN ID: 4.60 (mm) Calib End Date: 02/14/2013 00:54
 Lab File ID: X000030.D

Analyte	RT	RT WINDOW	
		FROM	TO
Nitrobenzene	22.35	22.10	22.60
1,3-Dinitrobenzene	25.28	25.03	25.53
1,3,5-Trinitrobenzene	27.95	27.70	28.20
2-Nitrotoluene	29.51	29.26	29.76
4-Nitrotoluene	29.51	29.26	29.76
3-Nitrotoluene	30.09	29.84	30.34
3,5-Dinitroaniline	31.37	31.12	31.62
RDX	31.94	31.69	32.19
2,4-Dinitrotoluene	33.19	32.94	33.44
2,6-Dinitrotoluene	34.20	33.95	34.45
2-Amino-4,6-dinitrotoluene	36.27	36.02	36.52
4-Amino-2,6-dinitrotoluene	36.94	36.69	37.19
2,4,6-Trinitrotoluene	40.61	40.36	40.86
HMX	42.35	42.10	42.60
Nitroglycerin	44.88	44.63	45.13
Tetryl	46.59	46.34	46.84
PETN	53.16	52.91	53.41
3,4-Dinitrotoluene	38.62	38.37	38.87

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC12\20130424-4083.b\X000030.D
 Lims ID: CCVL Client ID:
 Inject. Date: 25-Apr-2013 00:24:39 Dil. Factor: 1.0000
 Sample Type: CCVRT
 Sample ID: 320-0004083-004
 Misc. Info.:
 Operator: RN Instrument ID: LC12
 Injection Vol: 500.0 ul ALS Bottle#: 8
 Lims Batch ID: 14998 Lims Sample ID: 4
 Sublist: chrom-LC12_Conf_8330*sub4
 Method: \\SACChrom\ChromData\LC12\20130424-4083.b\LC12_Conf_8330.m
 Last Update: 25-Apr-2013 09:46:01 Calib Date: 07-Mar-2013 16:35:05
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC12\20130307-3157.b\G000007.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Zorbax Cyano CN Column Dia: 4.60 mm
 Process Host: XAWRK032

First Level Reviewer: noonanr

Date: 25-Apr-2013 09:46:01

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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5 Nitrobenzene						
1	22.353	22.353	0.0	259	5.36	
24 1,3-Dinitrobenzene						
1	25.283	25.283	0.0	546	5.15	
27 1,3,5-Trinitrobenzene						
1	27.946	27.946	0.0	427	5.20	
16 o-Nitrotoluene						
1	29.513	29.513	0.0	337	5.31	
15 p-Nitrotoluene						
1	29.513	29.513	0.0	337	5.31	
8 m-Nitrotoluene						
1	30.086	30.086	0.0	245	5.78	
9 3,5-Dinitroaniline						
1	31.373	31.373	0.0	471	5.72	
19 RDX						
1	31.943	31.943	0.0	320	6.53	
23 2,4-Dinitrotoluene						
1	33.186	33.186	0.0	482	5.46	
12 2,6-Dinitrotoluene						
1	34.196	34.196	0.0	286	5.33	
6 2-Amino-4,6-dinitrotoluene						
1	36.266	36.266	0.0	364	4.89	
26 4-Amino-2,6-dinitrotoluene						
1	36.939	36.939	0.0	312	4.44	
\$ 30 3,4-Dinitrotoluene						
1	38.623	38.623	0.0	1044	19.5	
25 2,4,6-Trinitrotoluene						
1	40.606	40.606	0.0	413	4.70	

Data File: \\SACChrom\ChromData\LC12\20130424-4083.b\X000030.D

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

1 42.349 42.349 0.0 335 5.13

7 Nitroglycerin

2 44.883 44.883 0.0 1697 18.5

20 Tetryl

1 46.586 46.586 0.0 597 5.02

21 PETN

2 53.156 53.156 0.0 2738 18.7

Report Date: 25-Apr-2013 09:46:01

Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC12\20130424-4083.b\X000030.D

Injection Date: 25-Apr-2013 00:24:39

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC12

Lims Batch ID: 14998

Lims Sample ID: 4

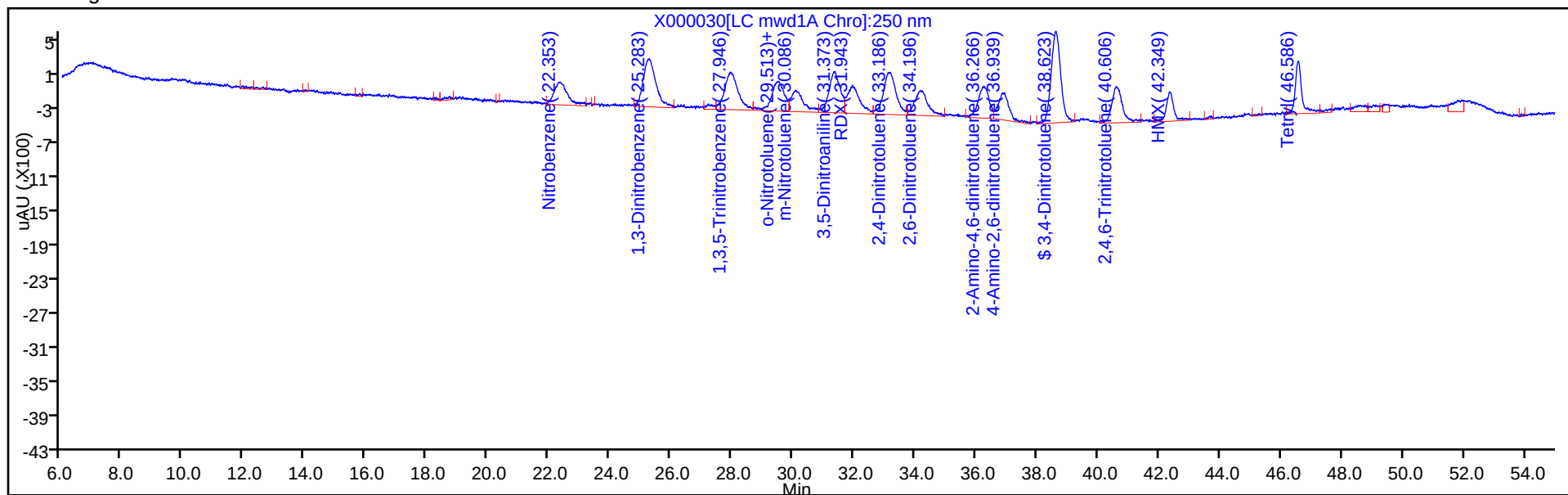
Operator ID: RN

Injection Vol: 500.0 ul

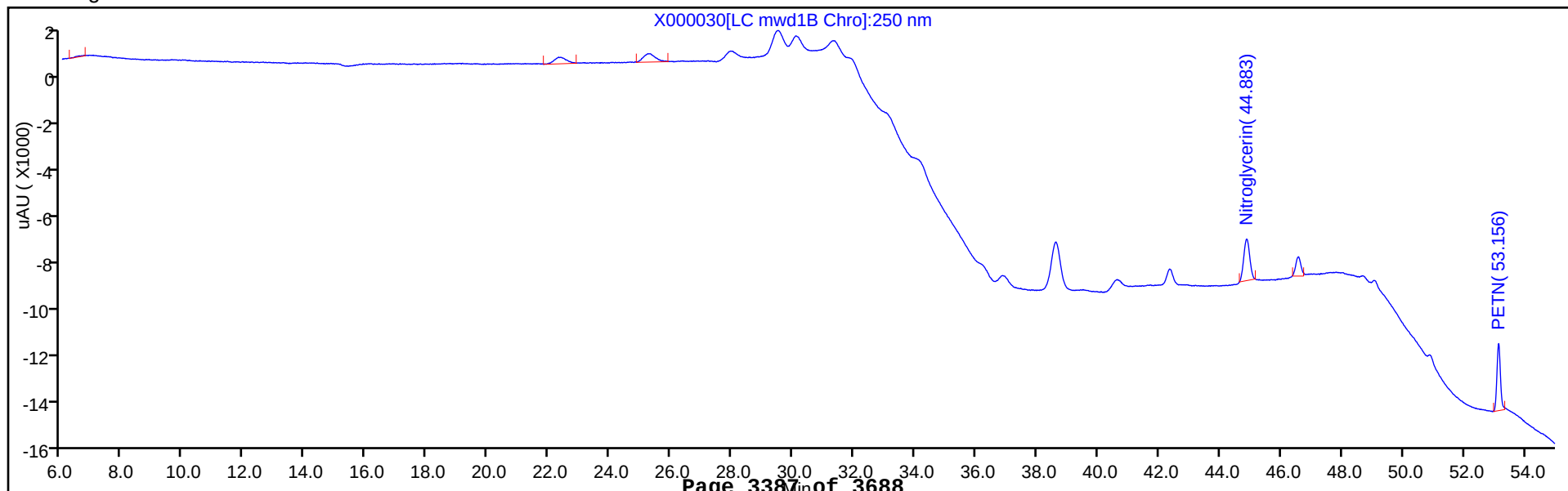
Column Type: Zorbax Cyano CN

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1
 SDG No.: _____
 Lab Sample ID: CCV 320-14998/33 Calibration Date: 04/26/2013 08:21
 Instrument ID: LC12 Calib Start Date: 02/13/2013 17:16
 GC Column: Zorbax CN ID: 4.60 (mm) Calib End Date: 02/14/2013 00:54
 Lab File ID: X000059.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitrobenzene	Ave	48.34	48.87		101	100	1.1	20.0
Ethylene glycol dinitrate	Ave	21.88	23.37		107	100	6.8	20.0
1,3-Dinitrobenzene	Ave	106.1	105.6		99.6	100	-0.4	20.0
1,3,5-Trinitrobenzene	Ave	82.14	79.74		97.1	100	-2.9	20.0
2-Nitrotoluene	Ave	63.47	61.13		96.3	100	-3.7	20.0
4-Nitrotoluene	Ave	63.47	61.13		96.3	100	-3.7	20.0
3-Nitrotoluene	Ave	42.38	40.89		96.5	100	-3.5	20.0
3,5-Dinitroaniline	Ave	82.33	81.92		99.5	100	-0.5	20.0
RDX	Ave	49.04	46.62		95.1	100	-4.9	20.0
2,4-Dinitrotoluene	Ave	88.34	89.83		102	100	1.7	20.0
2,6-Dinitrotoluene	Ave	53.63	53.54		99.8	100	-0.2	20.0
2-Amino-4,6-dinitrotoluene	Ave	74.40	72.86		97.9	100	-2.1	20.0
4-Amino-2,6-dinitrotoluene	Ave	70.31	66.87		95.1	100	-4.9	20.0
2,4,6-Trinitrotoluene	Ave	87.92	84.41		96.0	100	-4.0	20.0
HMX	Ave	65.31	63.22		96.8	100	-3.2	20.0
Nitroglycerin	Ave	91.50	86.79		94.9	100	-5.1	20.0
Tetryl	Ave	118.9	121.9		102	100	2.4	20.0
PETN	Ave	146.8	138.8		94.6	100	-5.4	20.0
3,4-Dinitrotoluene	Ave	53.42	51.54		96.5	100	-3.5	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1
 SDG No.: _____
 Lab Sample ID: CCV 320-14998/33 Calibration Date: 04/26/2013 08:21
 Instrument ID: LC12 Calib Start Date: 02/13/2013 17:16
 GC Column: Zorbax CN ID: 4.60 (mm) Calib End Date: 02/14/2013 00:54
 Lab File ID: X000059.D

Analyte	RT	RT WINDOW	
		FROM	TO
Nitrobenzene	22.37	22.13	22.63
Ethylene glycol dinitrate	23.31	23.05	23.55
1,3-Dinitrobenzene	25.30	25.06	25.56
1,3,5-Trinitrobenzene	28.00	27.75	28.25
2-Nitrotoluene	29.59	29.36	29.86
4-Nitrotoluene	29.59	29.36	29.86
3-Nitrotoluene	30.19	29.96	30.46
3,5-Dinitroaniline	31.42	31.18	31.68
RDX	32.03	31.80	32.30
2,4-Dinitrotoluene	33.27	33.03	33.53
2,6-Dinitrotoluene	34.29	34.06	34.56
2-Amino-4,6-dinitrotoluene	36.37	36.17	36.67
4-Amino-2,6-dinitrotoluene	37.01	36.79	37.29
2,4,6-Trinitrotoluene	40.71	40.49	40.99
HMX	42.39	42.20	42.70
Nitroglycerin	44.92	44.72	45.22
Tetryl	46.60	46.41	46.91
PETN	53.15	52.89	53.39
3,4-Dinitrotoluene	38.73	38.52	39.02

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC12\20130424-4083.b\X000059.D
 Lims ID: CCV 05 Client ID:
 Inject. Date: 26-Apr-2013 08:21:55 Dil. Factor: 1.0000
 Sample Type: CCVRT
 Sample ID: 320-0004083-033
 Misc. Info.:
 Operator: RN Instrument ID: LC12
 Injection Vol: 500.0 ul ALS Bottle#: 7
 Lims Batch ID: 14998 Lims Sample ID: 33
 Sublist: chrom-LC12_Conf_8330*sub1
 Method: \\SACChrom\ChromData\LC12\20130424-4083.b\LC12_Conf_8330.m
 Last Update: 26-Apr-2013 12:13:16 Calib Date: 07-Mar-2013 16:35:05
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC12\20130307-3157.b\G000007.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Zorbax Cyano CN Column Dia: 4.60 mm
 Process Host: XAWRK019

First Level Reviewer: noonanr

Date: 26-Apr-2013 12:13:16

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

5 Nitrobenzene						
1	22.368	22.383	-0.015	4887	101.1	
3 Ethylene glycol dinitrate						
2	23.314	23.303	0.011	2337	106.8	
24 1,3-Dinitrobenzene						
1	25.298	25.313	-0.015	10562	99.6	
27 1,3,5-Trinitrobenzene						
1	28.001	28.000	0.001	7974	97.1	
16 o-Nitrotoluene						
1	29.588	29.610	-0.022	6113	96.3	
15 p-Nitrotoluene						
1	29.588	29.610	-0.022	6113	96.3	
8 m-Nitrotoluene						
1	30.194	30.210	-0.016	4089	96.5	
9 3,5-Dinitroaniline						
1	31.421	31.433	-0.012	8192	99.5	
19 RDX						
1	32.031	32.050	-0.019	4662	95.1	
23 2,4-Dinitrotoluene						
1	33.268	33.283	-0.015	8983	101.7	
12 2,6-Dinitrotoluene						
1	34.291	34.313	-0.022	5354	99.8	
6 2-Amino-4,6-dinitrotoluene						
1	36.374	36.416	-0.042	7286	97.9	
26 4-Amino-2,6-dinitrotoluene						
1	37.008	37.040	-0.032	6687	95.1	
\$ 30 3,4-Dinitrotoluene						
1	38.728	38.766	-0.038	5154	96.5	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
25 2,4,6-Trinitrotoluene						
1	40.711	40.740	-0.029	8441	96.0	
11 HMX						
1	42.394	42.446	-0.052	6322	96.8	
7 Nitroglycerin						
2	44.918	44.966	-0.048	8679	94.9	
20 Tetryl						
1	46.598	46.663	-0.065	12185	102.4	
21 PETN						
2	53.151	53.143	0.008	13878	94.6	

Report Date: 26-Apr-2013 12:13:18

Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC12\20130424-4083.b\X000059.D

Injection Date: 26-Apr-2013 08:21:55

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC12

Lims Batch ID: 14998

Lims Sample ID: 33

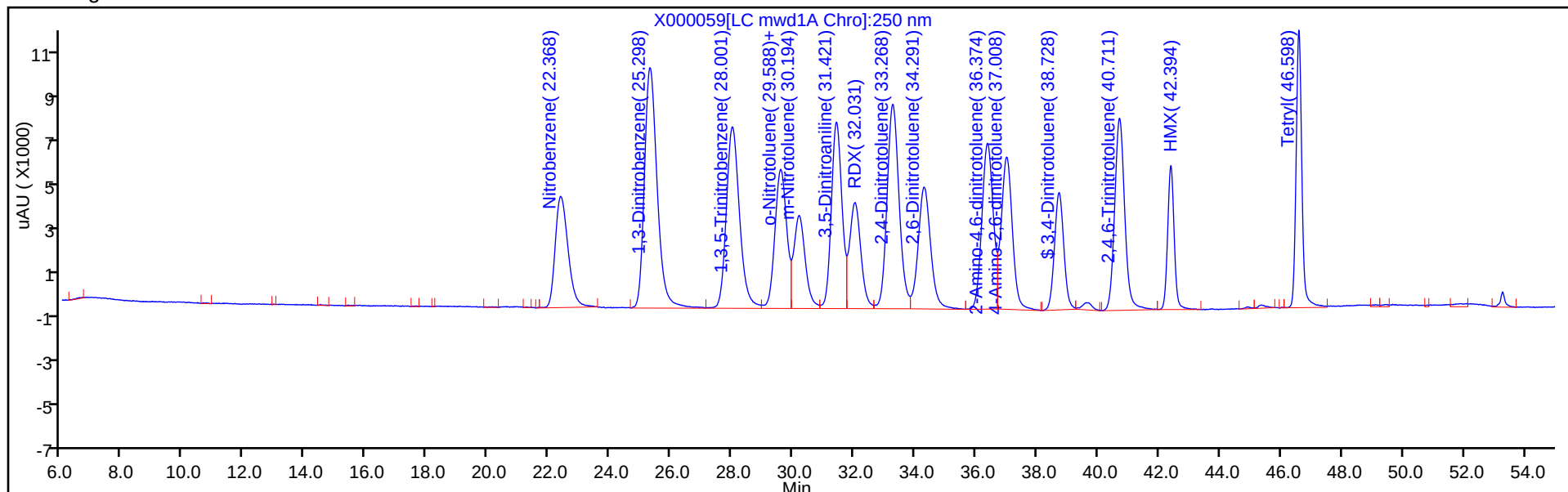
Operator ID: RN

Injection Vol: 500.0 ul

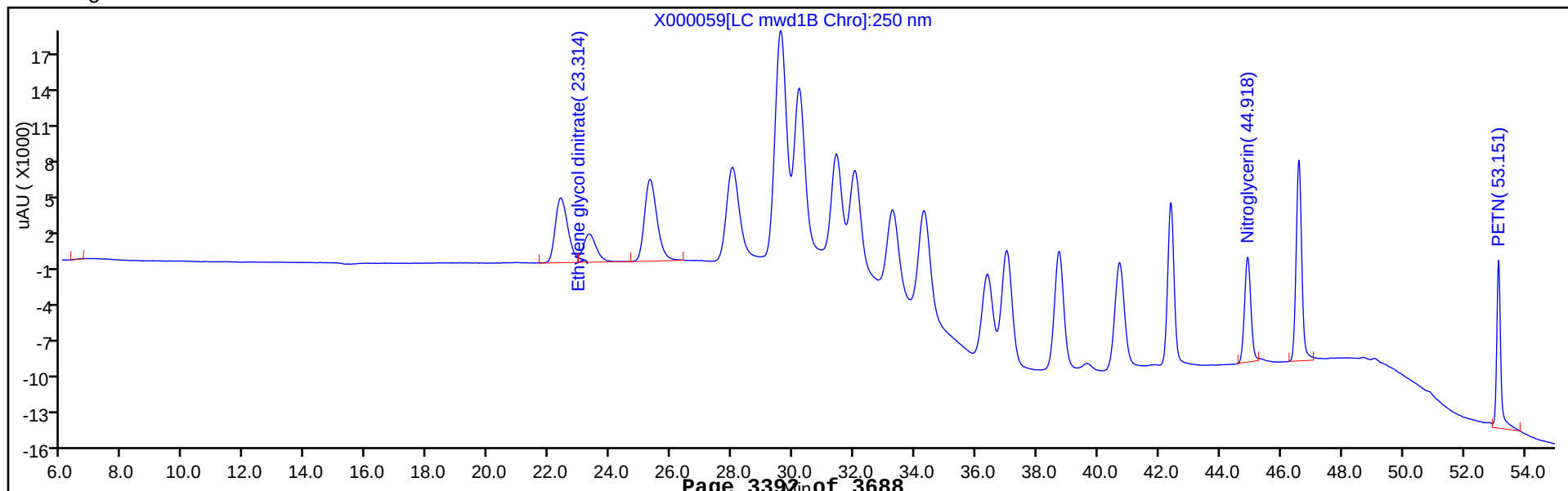
Column Type: Zorbax Cyano CN

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1
 SDG No.: _____
 Lab Sample ID: CCV 320-14998/35 Calibration Date: 04/26/2013 19:23
 Instrument ID: LC12 Calib Start Date: 02/13/2013 17:16
 GC Column: Zorbax CN ID: 4.60 (mm) Calib End Date: 02/14/2013 00:54
 Lab File ID: X000069.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitrobenzene	Ave	48.34	47.81		98.9	100	-1.1	20.0
Ethylene glycol dinitrate	Ave	21.88	23.49		107	100	7.4	20.0
1,3-Dinitrobenzene	Ave	106.1	104.9		98.9	100	-1.1	20.0
1,3,5-Trinitrobenzene	Ave	82.14	79.27		96.5	100	-3.5	20.0
2-Nitrotoluene	Ave	63.47	59.96		94.5	100	-5.5	20.0
4-Nitrotoluene	Ave	63.47	59.96		94.5	100	-5.5	20.0
3-Nitrotoluene	Ave	42.38	40.14		94.7	100	-5.3	20.0
3,5-Dinitroaniline	Ave	82.33	80.88		98.2	100	-1.8	20.0
RDX	Ave	49.04	46.02		93.8	100	-6.2	20.0
2,4-Dinitrotoluene	Ave	88.34	89.19		101	100	1.0	20.0
2,6-Dinitrotoluene	Ave	53.63	53.00		98.8	100	-1.2	20.0
2-Amino-4,6-dinitrotoluene	Ave	74.40	73.41		98.7	100	-1.3	20.0
4-Amino-2,6-dinitrotoluene	Ave	70.31	68.19		97.0	100	-3.0	20.0
2,4,6-Trinitrotoluene	Ave	87.92	85.41		97.1	100	-2.9	20.0
HMX	Ave	65.31	62.92		96.3	100	-3.7	20.0
Nitroglycerin	Ave	91.50	87.90		96.1	100	-3.9	20.0
Tetryl	Ave	118.9	122.2		103	100	2.7	20.0
PETN	Ave	146.8	139.4		95.0	100	-5.0	20.0
3,4-Dinitrotoluene	Ave	53.42	51.87		97.1	100	-2.9	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1
 SDG No.: _____
 Lab Sample ID: CCV 320-14998/35 Calibration Date: 04/26/2013 19:23
 Instrument ID: LC12 Calib Start Date: 02/13/2013 17:16
 GC Column: Zorbax CN ID: 4.60 (mm) Calib End Date: 02/14/2013 00:54
 Lab File ID: X000069.D

Analyte	RT	RT WINDOW	
		FROM	TO
Nitrobenzene	22.45	22.20	22.70
Ethylene glycol dinitrate	23.38	23.13	23.63
1,3-Dinitrobenzene	25.39	25.14	25.64
1,3,5-Trinitrobenzene	28.10	27.85	28.35
2-Nitrotoluene	29.72	29.47	29.97
4-Nitrotoluene	29.72	29.47	29.97
3-Nitrotoluene	30.33	30.08	30.58
3,5-Dinitroaniline	31.58	31.33	31.83
RDX	32.20	31.95	32.45
2,4-Dinitrotoluene	33.43	33.18	33.68
2,6-Dinitrotoluene	34.48	34.23	34.73
2-Amino-4,6-dinitrotoluene	36.60	36.35	36.85
4-Amino-2,6-dinitrotoluene	37.22	36.97	37.47
2,4,6-Trinitrotoluene	40.89	40.64	41.14
HMX	42.58	42.33	42.83
Nitroglycerin	45.08	44.83	45.33
Tetryl	46.76	46.51	47.01
PETN	53.22	52.97	53.47
3,4-Dinitrotoluene	38.92	38.67	39.17

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC12\20130424-4083.b\X000069.D
 Lims ID: CCV 05 Client ID:
 Inject. Date: 26-Apr-2013 19:23:16 Dil. Factor: 1.0000
 Sample Type: CCVRT
 Sample ID: 320-0004083-035
 Misc. Info.:
 Operator: RN Instrument ID: LC12
 Injection Vol: 500.0 ul ALS Bottle#: 7
 Lims Batch ID: 14998 Lims Sample ID: 35
 Sublist: chrom-LC12_Conf_8330*sub1
 Method: \\SACChrom\ChromData\LC12\20130424-4083.b\LC12_Conf_8330.m
 Last Update: 29-Apr-2013 08:07:45 Calib Date: 07-Mar-2013 16:35:05
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC12\20130307-3157.b\G000007.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Zorbax Cyano CN Column Dia: 4.60 mm
 Process Host: XAWRK023

First Level Reviewer: noonanr

Date: 29-Apr-2013 08:07:45

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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5 Nitrobenzene						
1	22.452	22.452	0.0	4781	98.9	
3 Ethylene glycol dinitrate						
2	23.382	23.382	0.0	2349	107.4	
24 1,3-Dinitrobenzene						
1	25.392	25.392	0.0	10486	98.9	
27 1,3,5-Trinitrobenzene						
1	28.099	28.099	0.0	7927	96.5	
16 o-Nitrotoluene						
1	29.722	29.722	0.0	5996	94.5	
15 p-Nitrotoluene						
1	29.722	29.722	0.0	5996	94.5	
8 m-Nitrotoluene						
1	30.326	30.326	0.0	4014	94.7	
9 3,5-Dinitroaniline						
1	31.576	31.576	0.0	8088	98.2	
19 RDX						
1	32.199	32.199	0.0	4602	93.8	
23 2,4-Dinitrotoluene						
1	33.432	33.432	0.0	8919	101.0	
12 2,6-Dinitrotoluene						
1	34.479	34.479	0.0	5300	98.8	
6 2-Amino-4,6-dinitrotoluene						
1	36.602	36.602	0.0	7341	98.7	
26 4-Amino-2,6-dinitrotoluene						
1	37.219	37.219	0.0	6819	97.0	
\$ 30 3,4-Dinitrotoluene						
1	38.922	38.922	0.0	5187	97.1	

Data File: \\SACChrom\ChromData\LC12\20130424-4083.b\X000069.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
25 2,4,6-Trinitrotoluene						
1	40.889	40.889	0.0	8541	97.1	
11 HMX						
1	42.579	42.579	0.0	6292	96.3	
7 Nitroglycerin						
2	45.079	45.079	0.0	8790	96.1	
20 Tetryl						
1	46.756	46.756	0.0	12219	102.7	
21 PETN						
2	53.222	53.222	0.0	13943	95.0	

Report Date: 29-Apr-2013 08:07:46

Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC12\20130424-4083.b\X000069.D

Injection Date: 26-Apr-2013 19:23:16

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC12

Lims Batch ID: 14998

Lims Sample ID: 35

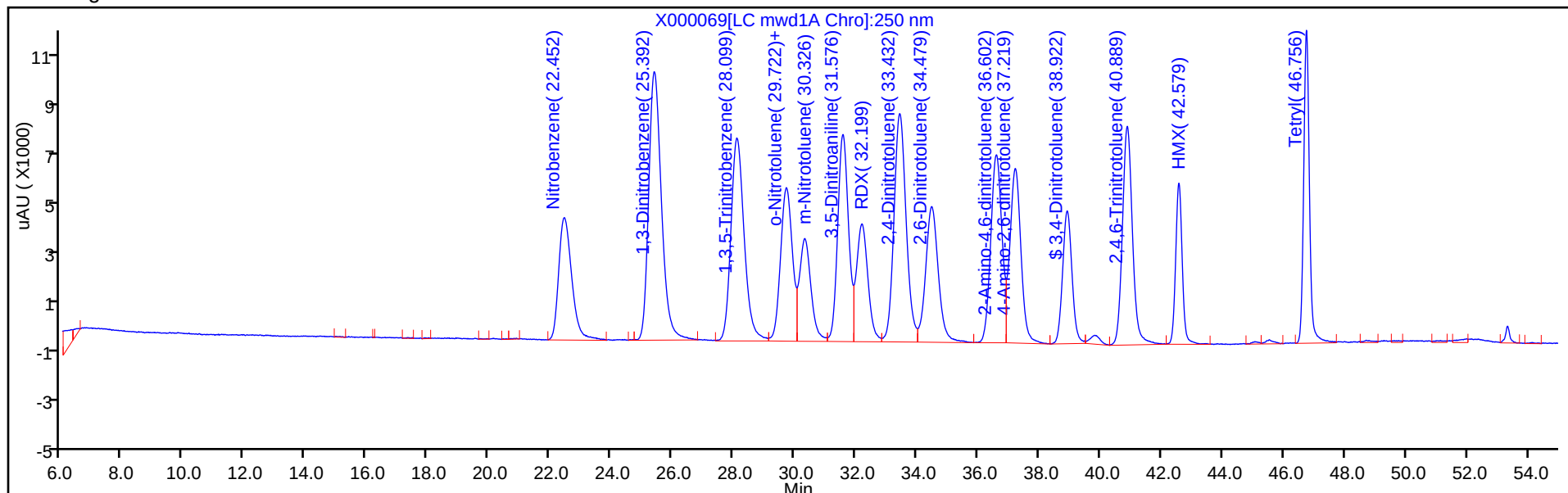
Operator ID: RN

Injection Vol: 500.0 ul

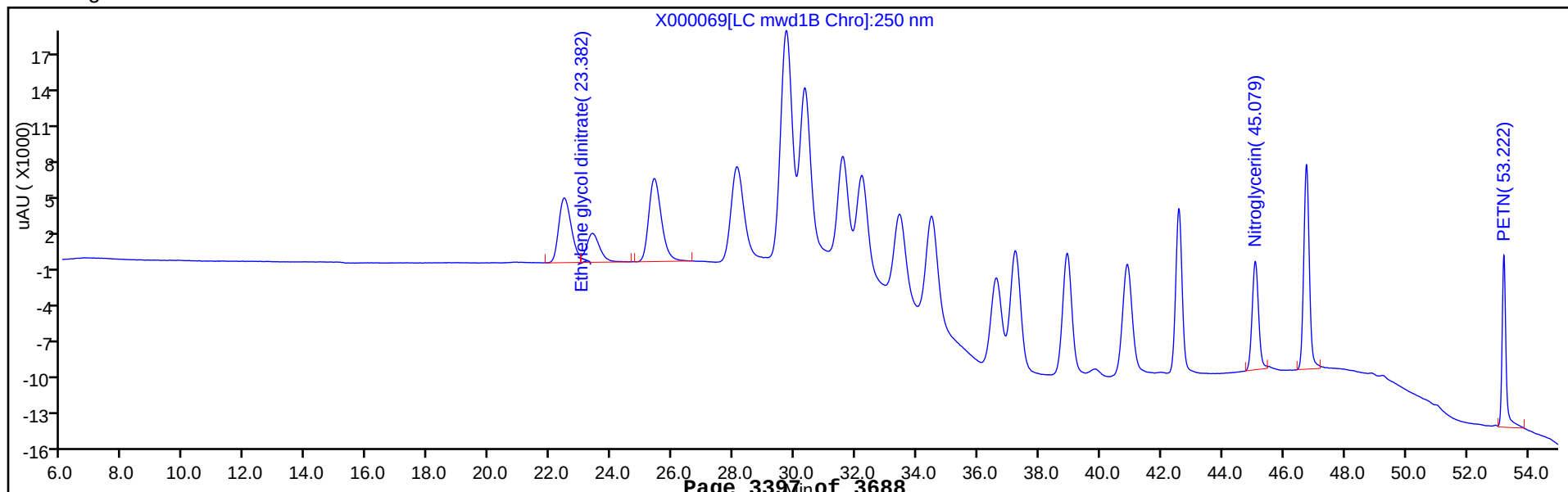
Column Type: Zorbax Cyano CN

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1
 SDG No.: _____
 Lab Sample ID: CCVL 320-14998/36 Calibration Date: 04/26/2013 20:29
 Instrument ID: LC12 Calib Start Date: 02/13/2013 17:16
 GC Column: Zorbax CN ID: 4.60 (mm) Calib End Date: 02/14/2013 00:54
 Lab File ID: X000070.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitrobenzene	Ave	48.34	48.00		4.96	5.00	-0.7	20.0
1,3-Dinitrobenzene	Ave	106.1	107.4		5.06	5.00	1.3	20.0
1,3,5-Trinitrobenzene	Ave	82.14	85.00		5.17	5.00	3.5	20.0
2-Nitrotoluene	Ave	63.47	63.20		4.98	5.00	-0.4	20.0
4-Nitrotoluene	Ave	63.47	63.20		4.98	5.00	-0.4	20.0
3-Nitrotoluene	Ave	42.38	45.80		5.40	5.00	8.1	20.0
3,5-Dinitroaniline	Ave	82.33	96.00		5.83	5.00	16.6	20.0
RDX	Ave	49.04	58.80		6.00	5.00	19.9	20.0
2,4-Dinitrotoluene	Ave	88.34	92.80		5.25	5.00	5.0	20.0
2,6-Dinitrotoluene	Ave	53.63	56.60		5.28	5.00	5.5	20.0
2-Amino-4,6-dinitrotoluene	Ave	74.40	70.00		4.70	5.00	-5.9	20.0
4-Amino-2,6-dinitrotoluene	Ave	70.31	65.40		4.65	5.00	-7.0	20.0
2,4,6-Trinitrotoluene	Ave	87.92	86.00		4.89	5.00	-2.2	20.0
HMX	Ave	65.31	65.60		5.02	5.00	0.4	20.0
Nitroglycerin	Ave	91.50	89.45		19.6	20.0	-2.2	20.0
Tetryl	Ave	118.9	120.4		5.06	5.00	1.2	20.0
PETN	Ave	146.8	135.9		18.5	20.0	-7.4	20.0
3,4-Dinitrotoluene	Ave	53.42	52.65		19.7	20.0	-1.4	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1
SDG No.: _____
Lab Sample ID: CCVL 320-14998/36 Calibration Date: 04/26/2013 20:29
Instrument ID: LC12 Calib Start Date: 02/13/2013 17:16
GC Column: Zorbax CN ID: 4.60 (mm) Calib End Date: 02/14/2013 00:54
Lab File ID: X000070.D

Analyte	RT	RT WINDOW	
		FROM	TO
Nitrobenzene	22.43	22.18	22.68
1,3-Dinitrobenzene	25.36	25.11	25.61
1,3,5-Trinitrobenzene	28.09	27.84	28.34
2-Nitrotoluene	29.65	29.40	29.90
4-Nitrotoluene	29.65	29.40	29.90
3-Nitrotoluene	30.26	30.01	30.51
3,5-Dinitroaniline	31.51	31.26	31.76
RDX	32.14	31.89	32.39
2,4-Dinitrotoluene	33.34	33.09	33.59
2,6-Dinitrotoluene	34.41	34.16	34.66
2-Amino-4,6-dinitrotoluene	36.50	36.25	36.75
4-Amino-2,6-dinitrotoluene	37.15	36.90	37.40
2,4,6-Trinitrotoluene	40.84	40.59	41.09
HMX	42.52	42.27	42.77
Nitroglycerin	45.03	44.78	45.28
Tetryl	46.72	46.47	46.97
PETN	53.23	52.98	53.48
3,4-Dinitrotoluene	38.85	38.60	39.10

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC12\20130424-4083.b\X000070.D
 Lims ID: CCVL Client ID:
 Inject. Date: 26-Apr-2013 20:29:22 Dil. Factor: 1.0000
 Sample Type: CCVRT
 Sample ID: 320-0004083-036
 Misc. Info.:
 Operator: RN Instrument ID: LC12
 Injection Vol: 500.0 ul ALS Bottle#: 8
 Lims Batch ID: 14998 Lims Sample ID: 36
 Sublist: chrom-LC12_Conf_8330*sub4
 Method: \\SACChrom\ChromData\LC12\20130424-4083.b\LC12_Conf_8330.m
 Last Update: 29-Apr-2013 08:08:07 Calib Date: 07-Mar-2013 16:35:05
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC12\20130307-3157.b\G000007.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Zorbax Cyano CN Column Dia: 4.60 mm
 Process Host: XAWRK023

First Level Reviewer: noonanr

Date: 29-Apr-2013 08:08:07

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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5 Nitrobenzene						
1	22.430	22.430	0.0	240	4.96	
24 1,3-Dinitrobenzene						
1	25.357	25.357	0.0	537	5.06	
27 1,3,5-Trinitrobenzene						
1	28.094	28.094	0.0	425	5.17	
16 o-Nitrotoluene						
1	29.647	29.647	0.0	316	4.98	
15 p-Nitrotoluene						
1	29.647	29.647	0.0	316	4.98	
8 m-Nitrotoluene						
1	30.257	30.257	0.0	229	5.40	
9 3,5-Dinitroaniline						
1	31.514	31.514	0.0	480	5.83	
19 RDX						
1	32.144	32.144	0.0	294	6.00	
23 2,4-Dinitrotoluene						
1	33.337	33.337	0.0	464	5.25	
12 2,6-Dinitrotoluene						
1	34.410	34.410	0.0	283	5.28	
6 2-Amino-4,6-dinitrotoluene						
1	36.497	36.497	0.0	350	4.70	
26 4-Amino-2,6-dinitrotoluene						
1	37.147	37.147	0.0	327	4.65	
\$ 30 3,4-Dinitrotoluene						
1	38.847	38.847	0.0	1053	19.7	
25 2,4,6-Trinitrotoluene						
1	40.844	40.844	0.0	430	4.89	

Data File: \\SACChrom\ChromData\LC12\20130424-4083.b\X000070.D

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

1 42.517 42.517 0.0 328 5.02

7 Nitroglycerin

2 45.034 45.034 0.0 1789 19.6

20 Tetryl

1 46.720 46.720 0.0 602 5.06

21 PETN

2 53.230 53.230 0.0 2717 18.5

Report Date: 29-Apr-2013 08:08:08

Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC12\20130424-4083.b\X000070.D

Injection Date: 26-Apr-2013 20:29:22

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC12

Lims Batch ID: 14998

Lims Sample ID: 36

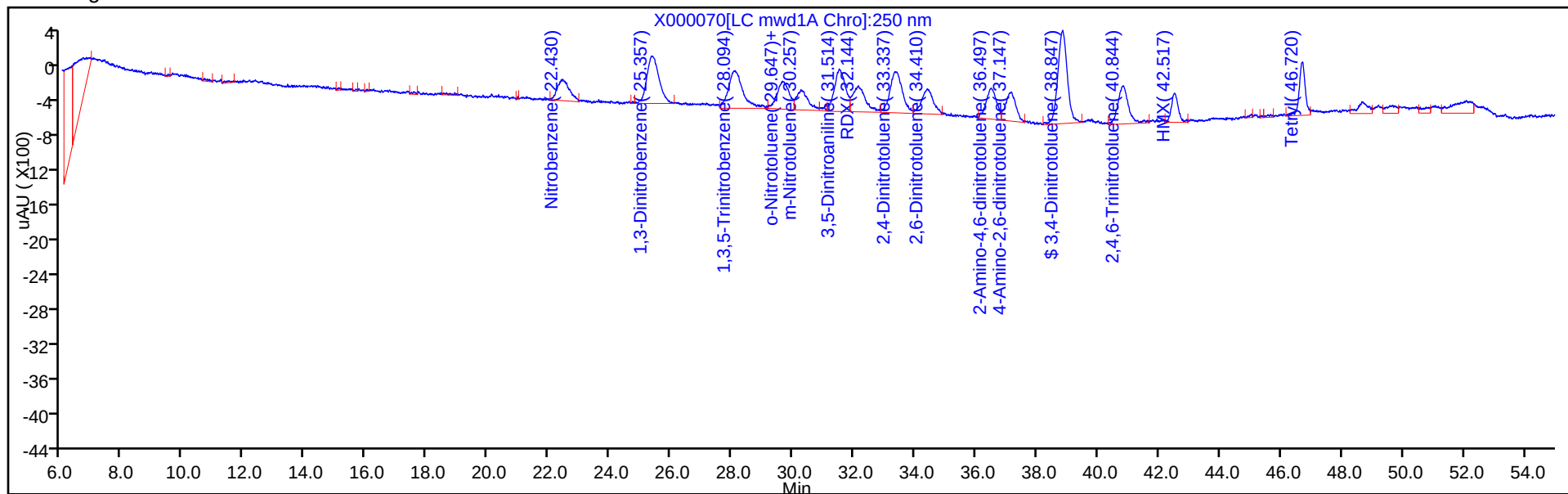
Operator ID: RN

Injection Vol: 500.0 ul

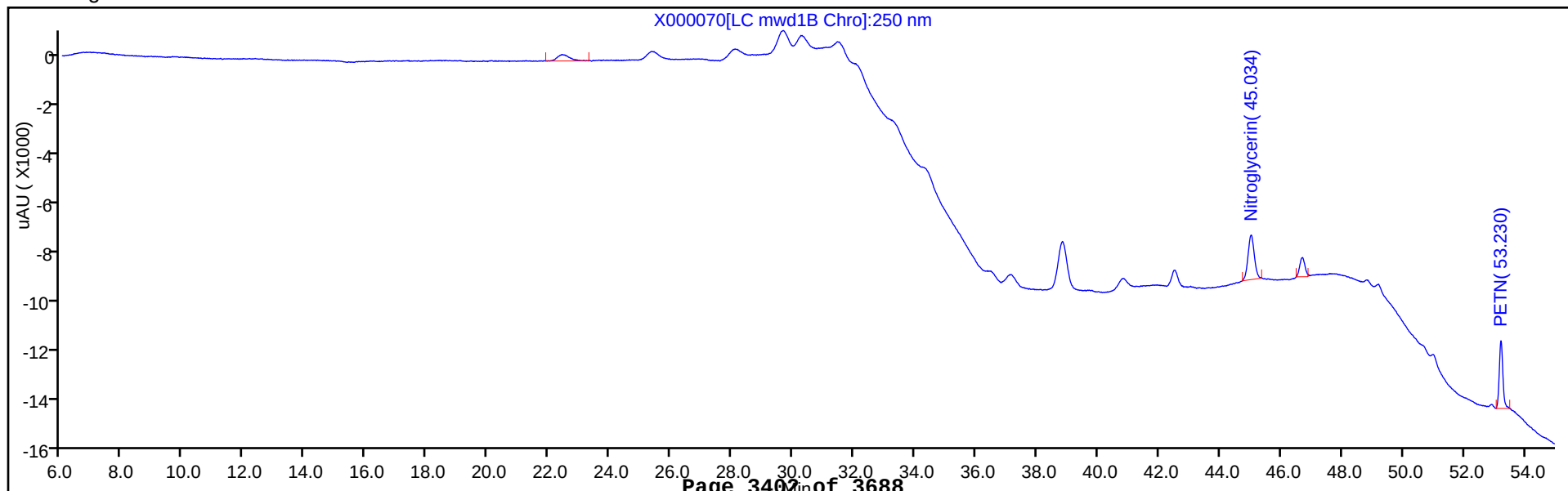
Column Type: Zorbax Cyano CN

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 320-13819/1-A

Matrix: Water Lab File ID: ZC000003.D

Analysis Method: 8330B Date Collected: _____

Extraction Method: 8330-Prep Date Extracted: 04/08/2013 11:28

Sample wt/vol: 1000 (mL) Date Analyzed: 04/29/2013 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.: 15252 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	91		79-111

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130429-4159.b\ZC000003.D
Lims ID: MB 320-13819/1-A Client ID:
Inject. Date: 29-Apr-2013 16:21:32 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 320-0004159-003
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 11
Lims Batch ID: 15252 Lims Sample ID: 3
Method: \\SACChrom\ChromData\LC10\20130429-4159.b\8330_LC10.m
Last Update: 30-Apr-2013 07:56:48 Calib Date: 19-Apr-2013 15:51:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK022

First Level Reviewer: noonanr

Date: 30-Apr-2013 07:56:48

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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\$ 30 3,4-Dinitrotoluene

1	16.539	16.511	0.028	6543	114.4	
2	16.539	16.511	0.028	12644	118.0	

Report Date: 30-Apr-2013 07:56:49

Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130429-4159.b\ZC000003.D

Injection Date: 29-Apr-2013 16:21:32

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 15252

Lims Sample ID: 3

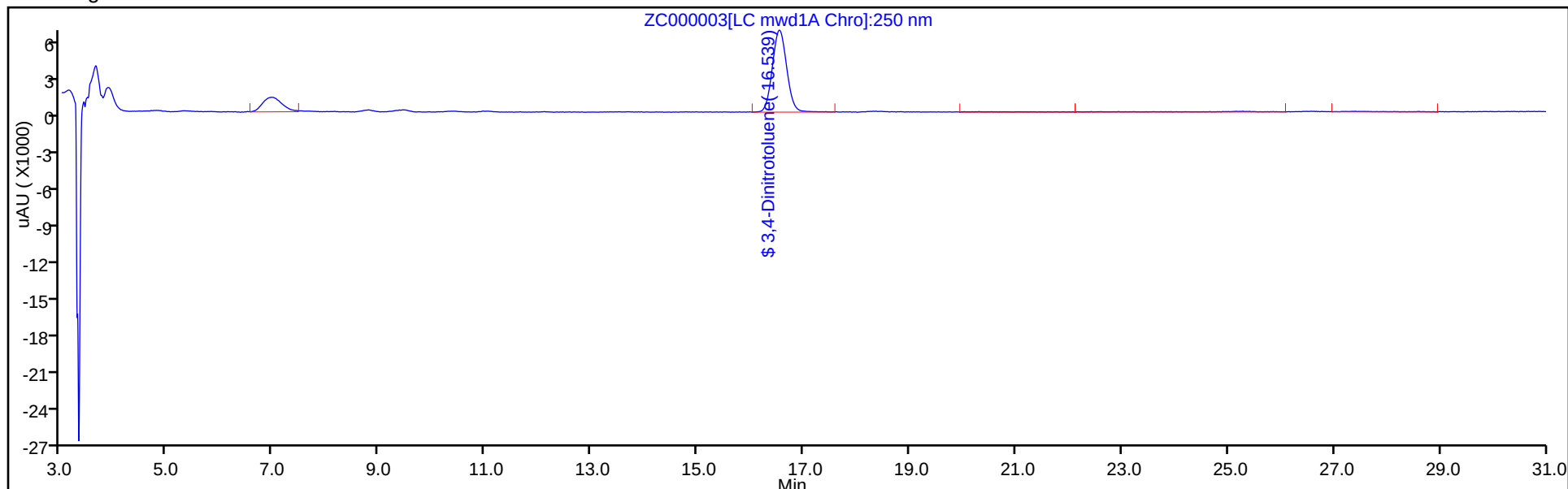
Operator ID: RN

Injection Vol: 500.0 ul

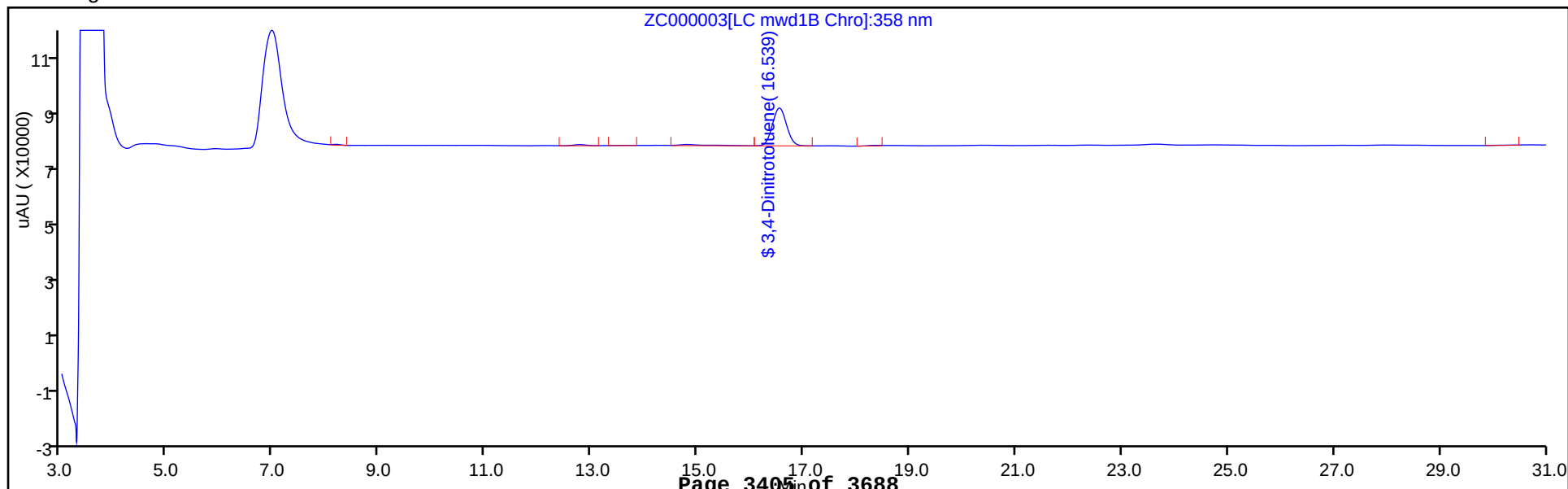
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 320-13877/1-A

Matrix: Solid Lab File ID: P-000075.D

Analysis Method: 8330B Date Collected: _____

Extraction Method: 8330B Date Extracted: 04/09/2013 09:33

Sample wt/vol: 10.00(g) Date Analyzed: 04/19/2013 09:49

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.: 14412 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	95		78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC11\20130416-3912.b\IP-000075.D
Lims ID: MB 320-13877/1-A Client ID:
Inject. Date: 19-Apr-2013 09:49:36 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 320-0003912-074
Misc. Info.:
Operator: KR/RN Instrument ID: LC11
Injection Vol: 500.0 ul ALS Bottle#: 73
Lims Batch ID: 14412 Lims Sample ID: 74
Method: \\SACChrom\ChromData\LC11\20130416-3912.b\8330 Metab LC11.m
Last Update: 19-Apr-2013 13:50:24 Calib Date: 30-Apr-2012 21:31:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC11\20120531-303.b\IM-009.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK006

First Level Reviewer: noonanr

Date: 19-Apr-2013 13:50:24

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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\$ 30 3,4-Dinitrotoluene

1	32.335	32.340	-0.005	4158	59.6
2	32.332	32.344	-0.012	8281	64.1

Report Date: 19-Apr-2013 13:50:24

Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC11\20130416-3912.b\IP-000075.D

Injection Date: 19-Apr-2013 09:49:36

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC11

Lims Batch ID: 14412

Lims Sample ID: 74

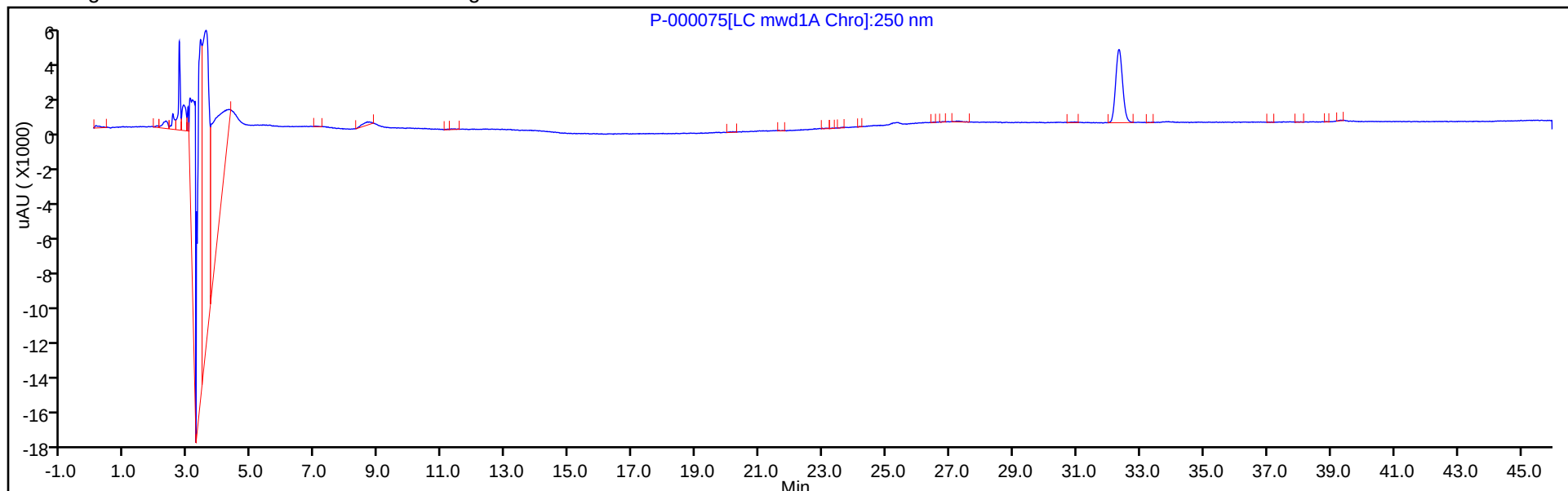
Operator ID: KR/RN

Injection Vol: 500.0 ul

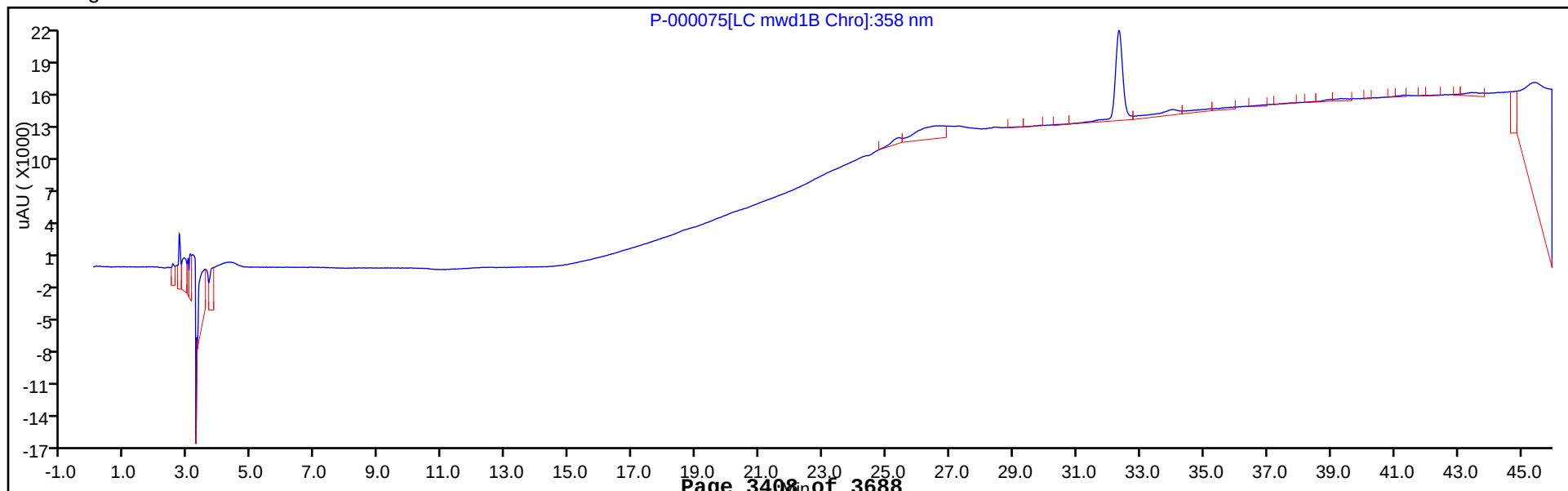
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 320-13877/1-A

Matrix: Solid Lab File ID: X000061.D

Analysis Method: 8330B Date Collected: _____

Extraction Method: 8330B Date Extracted: 04/09/2013 09:33

Sample wt/vol: 10.00(g) Date Analyzed: 04/26/2013 10:34

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

Injection Volume: 500(uL) GC Column: Zorbax CN ID: 4.6(mm)

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

Analysis Batch No.: 14998 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	0.0111	J	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	122	M Q	78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC12\20130424-4083.b\X000061.D
Lims ID: MB 320-13877/1-A Client ID:
Inject. Date: 26-Apr-2013 10:34:18 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 320-0004083-037
Misc. Info.:
Operator: RN Instrument ID: LC12
Injection Vol: 500.0 ul ALS Bottle#: 58
Lims Batch ID: 14998 Lims Sample ID: 37
Method: \\SACChrom\ChromData\LC12\20130424-4083.b\LC12_Conf_8330.m
Last Update: 26-Apr-2013 12:16:18 Calib Date: 07-Mar-2013 16:35:05
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC12\20130307-3157.b\G000007.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Zorbax Cyano CN Column Dia: 4.60 mm
Process Host: XAWRK019

First Level Reviewer: noonanr

Date: 26-Apr-2013 12:16:18

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
10 2,4,6-Trinitrophenol						
2	0.157	0.225	-0.068	207	0	
1	0.157	0.081	0.076	202	0	
\$ 30 3,4-Dinitrotoluene						
1	38.587	38.728	-0.141	4078	76.3	M
20 Tetryl						
1	46.467	46.598	-0.131	165	1.39	

QC Flag Legend

Review Flags

M - Manually Integrated

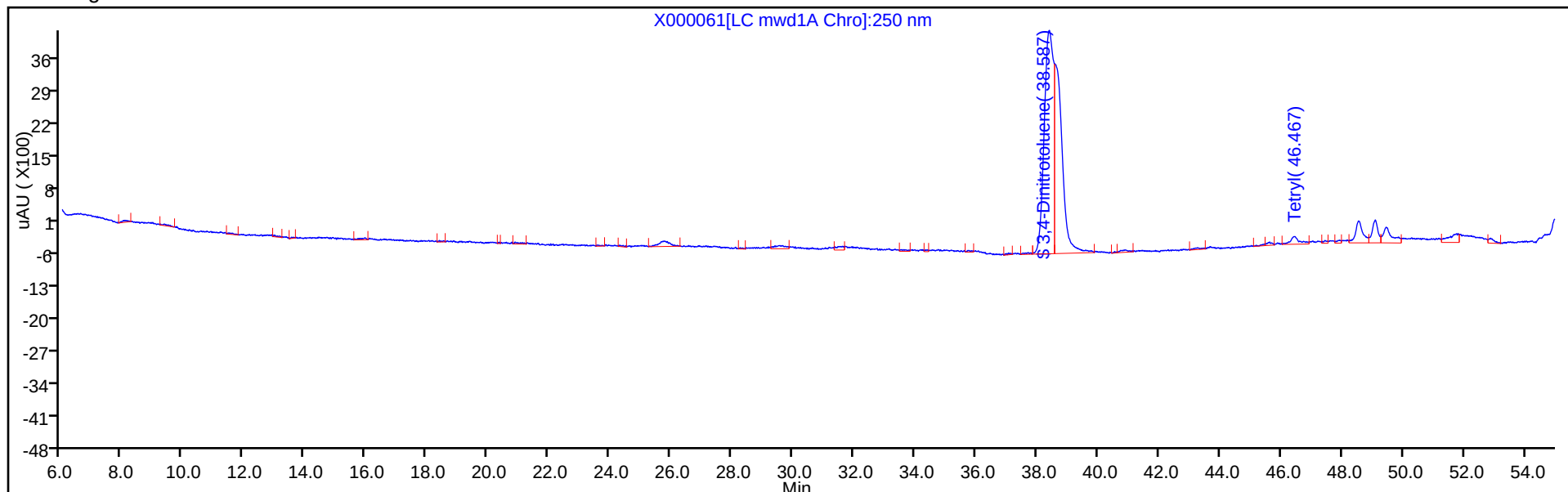
Report Date: 26-Apr-2013 12:16:18

Chrom Revision: 2.1 07-Apr-2013 20:36:54

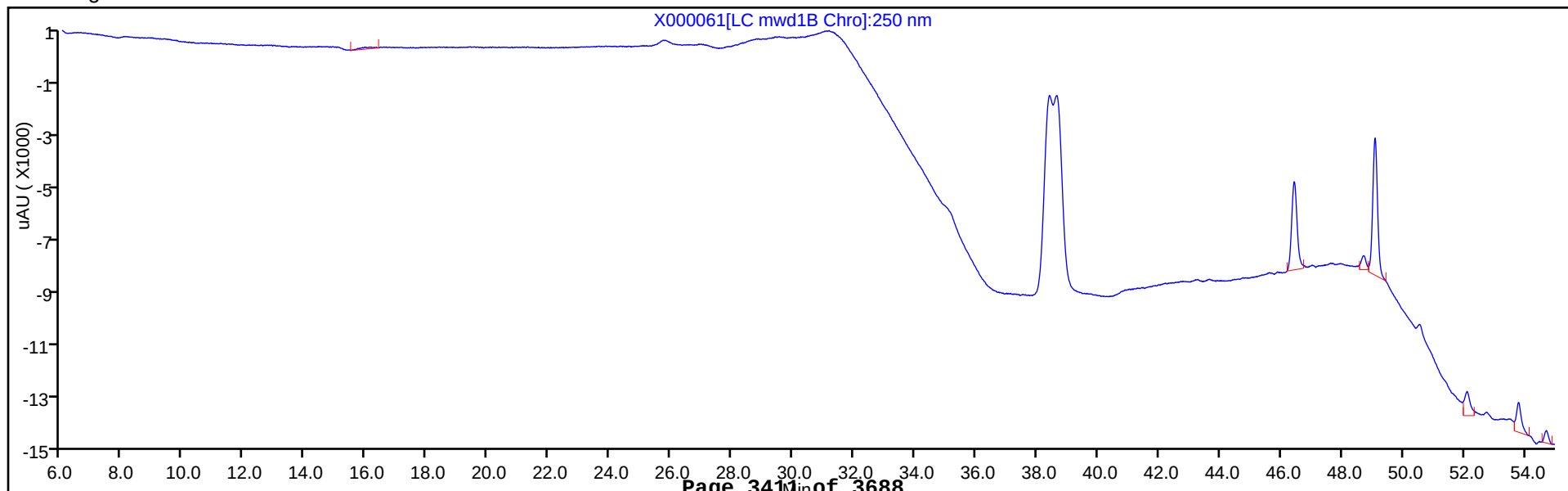
TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC12\20130424-4083.b\X000061.D
Injection Date: 26-Apr-2013 10:34:18 Limit Group: LC 8330B ICAL
Client ID: Instrument ID: LC12
Lims Batch ID: 14998 Lims Sample ID: 37
Operator ID: RN Injection Vol: 500.0 ul
Column Type: Zorbax Cyano CN Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC12\20130424-4083.b\X000061.D

Injection Date: 26-Apr-2013 10:34:18

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC12

Lims Batch ID: 14998

Lims Sample ID: 37

Operator ID: RN

Injection Vol: 500.0 ul

Column Type: Zorbax Cyano CN

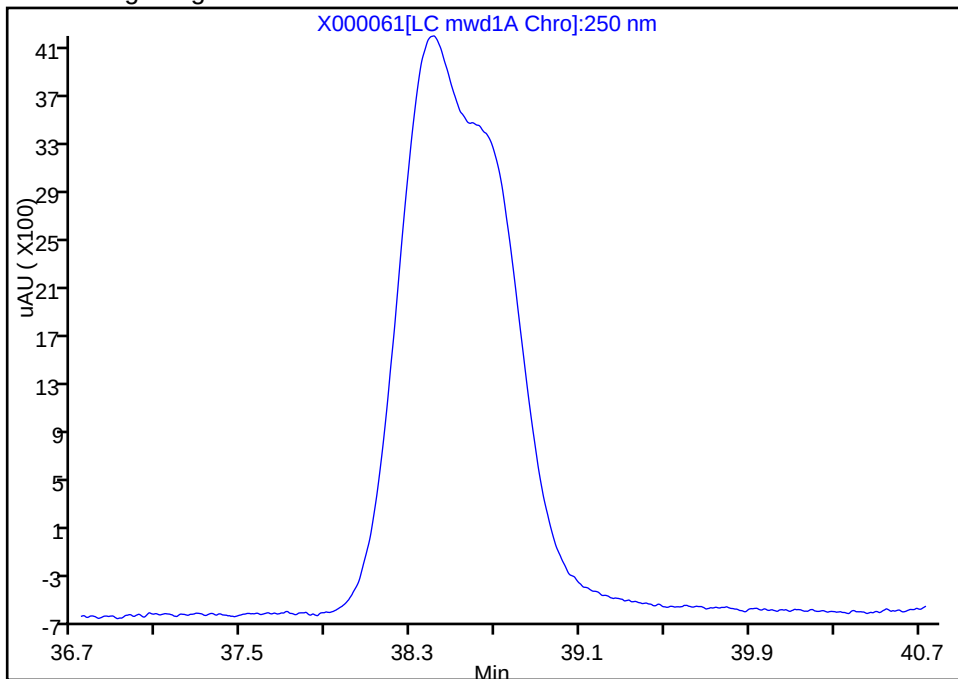
Column Dia: 4.60 mm

\$ 30 3,4-Dinitrotoluene, Signal: 1, Type: quant, RT: 38.73, Det: LC mwd1A

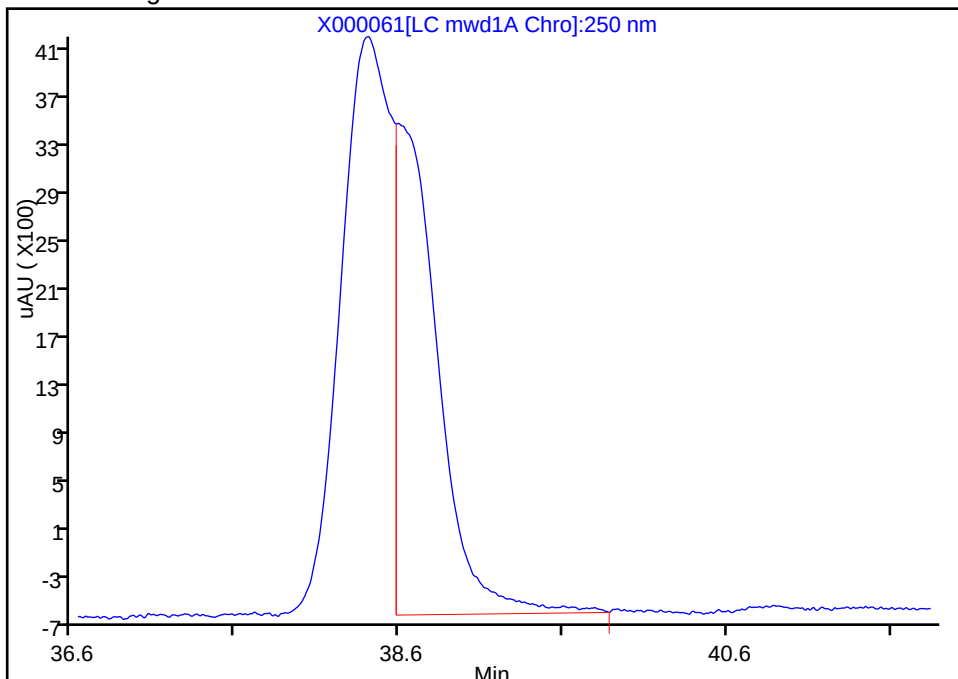
Not Detected

Expected RT: 38.73

Processing Integration Results



Manual Integration Results



RT: 38.59

Response: 4078

Amount: 76.342499

Reviewer: noonanr, 26-Apr-2013 12:16:18

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 320-13819/2-A

Matrix: Water Lab File ID: ZC000004.D

Analysis Method: 8330B Date Collected: _____

Extraction Method: 8330-Prep Date Extracted: 04/08/2013 11:28

Sample wt/vol: 1000 (mL) Date Analyzed: 04/29/2013 17:05

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.: 15252 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
99-65-0	1,3-Dinitrobenzene	1.04		0.10	0.10	0.050
121-14-2	2,4-Dinitrotoluene	0.966		0.10	0.10	0.050
606-20-2	2,6-Dinitrotoluene	0.970		0.10	0.10	0.050
35572-78-2	2-Amino-4,6-dinitrotoluene	0.955		0.20	0.10	0.015
88-72-2	2-Nitrotoluene	0.907		0.50	0.10	0.088
19406-51-0	4-Amino-2,6-dinitrotoluene	0.962		0.10	0.10	0.050
99-08-1	3-Nitrotoluene	0.909		0.50	0.10	0.057
2691-41-0	HMX	0.998		0.10	0.050	0.036
99-99-0	4-Nitrotoluene	0.918		0.50	0.10	0.088
98-95-3	Nitrobenzene	1.00		0.10	0.10	0.050
121-82-4	RDX	1.03		0.10	0.050	0.036
55-63-0	Nitroglycerin	4.61		0.65	0.50	0.33
479-45-8	Tetryl	0.834		0.10	0.10	0.050
99-35-4	1,3,5-Trinitrobenzene	1.02		0.10	0.050	0.031
78-11-5	PETN	4.57		0.65	0.50	0.30
118-96-7	2,4,6-Trinitrotoluene	0.885		0.10	0.10	0.050

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	89		79-111

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130429-4159.b\ZC000004.D
 Lims ID: LCS 320-13819/2-A Client ID:
 Inject. Date: 29-Apr-2013 17:05:11 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: 320-0004159-004
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 12
 Lims Batch ID: 15252 Lims Sample ID: 4
 Method: \\SACChrom\ChromData\LC10\20130429-4159.b\8330_LC10.m
 Last Update: 30-Apr-2013 07:56:48 Calib Date: 19-Apr-2013 15:51:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK022

First Level Reviewer: noonanr

Date: 30-Apr-2013 07:56:54

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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11 HMX
 1 5.211 5.194 0.017 6261 49.9
 19 RDX
 1 7.488 7.447 0.041 4682 51.5
 27 1,3,5-Trinitrobenzene
 1 9.751 9.717 0.034 8336 51.0
 24 1,3-Dinitrobenzene
 1 12.365 12.321 0.044 8413 51.9
 9 3,5-Dinitroaniline
 1 13.112 13.064 0.048 5087 49.1
 20 Tetryl
 1 13.428 13.401 0.027 3944 41.7
 5 Nitrobenzene
 1 14.075 14.024 0.051 3580 50.2
 7 Nitroglycerin
 2 14.635 14.607 0.028 16218 230.7
 25 2,4,6-Trinitrotoluene
 1 15.505 15.471 0.034 4223 44.3
 26 4-Amino-2,6-dinitrotoluene
 1 16.102 16.047 0.055 3770 48.1
 \$ 30 3,4-Dinitrotoluene
 1 16.552 16.511 0.041 6362 111.2
 2 16.552 16.511 0.041 12146 113.4
 6 2-Amino-4,6-dinitrotoluene
 1 17.072 17.014 0.058 4014 47.8
 12 2,6-Dinitrotoluene
 1 18.602 18.547 0.055 2903 48.5
 23 2,4-Dinitrotoluene
 1 19.235 19.184 0.051 4770 48.3

Data File: \\SACChrom\ChromData\LC10\20130429-4159.b\ZC000004.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
16 o-Nitrotoluene						
1	22.498	22.454	0.044	1925	45.4	
15 p-Nitrotoluene						
1	24.148	24.087	0.061	2437	45.9	
8 m-Nitrotoluene						
1	25.982	25.917	0.065	2365	45.5	
21 PETN						
2	28.005	27.971	0.034	8995	228.6	

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130429-4159.b\ZC000004.D

Injection Date: 29-Apr-2013 17:05:11

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 15252

Lims Sample ID: 4

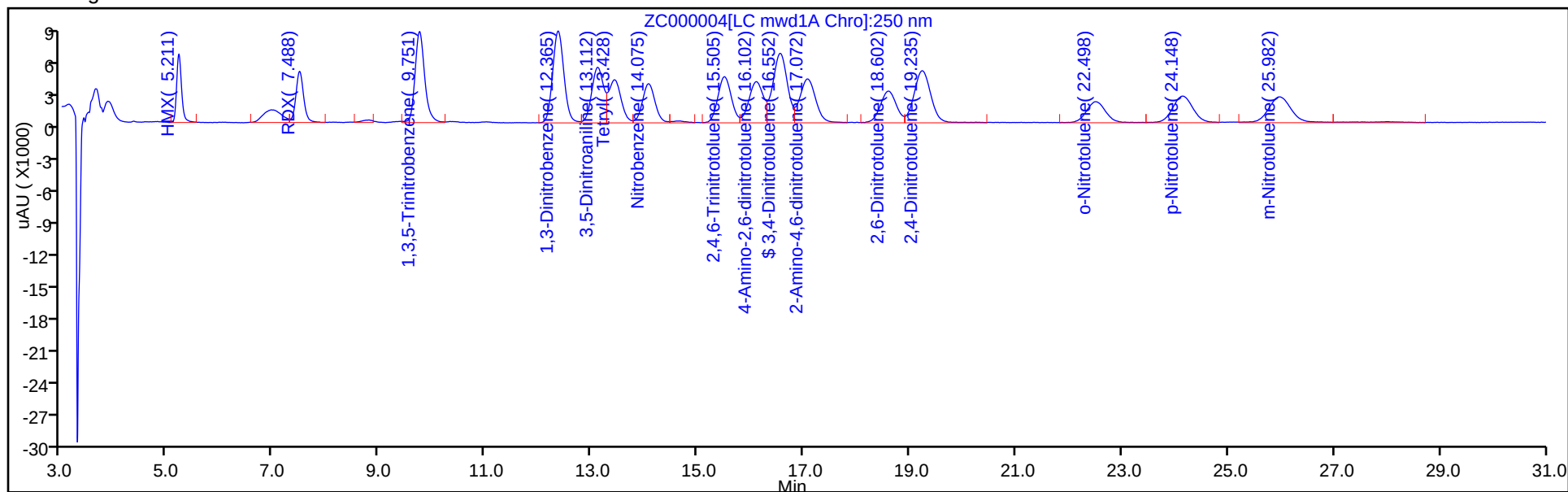
Operator ID: RN

Injection Vol: 500.0 ul

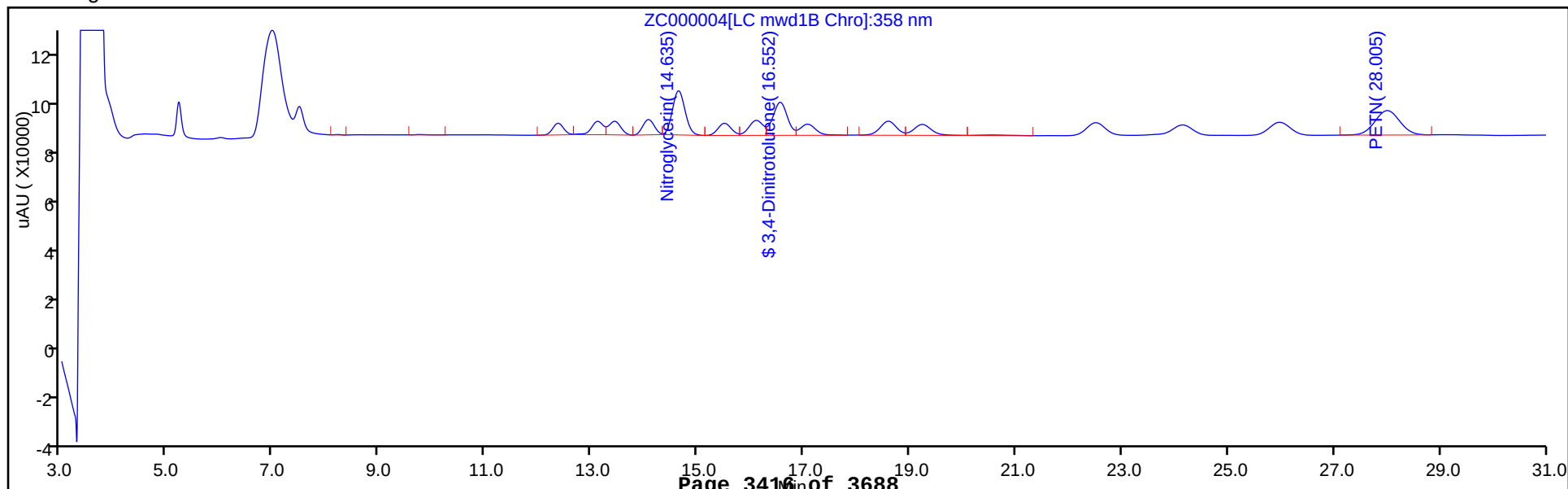
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 320-13877/2-A

Matrix: Solid Lab File ID: P-000077.D

Analysis Method: 8330B Date Collected: _____

Extraction Method: 8330B Date Extracted: 04/09/2013 09:33

Sample wt/vol: 10.00(g) Date Analyzed: 04/19/2013 11:43

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.: 14412 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
99-65-0	1,3-Dinitrobenzene	0.462		0.25	0.050	0.0042
121-14-2	2,4-Dinitrotoluene	0.467		0.25	0.050	0.0053
606-20-2	2,6-Dinitrotoluene	0.458		0.25	0.050	0.0073
35572-78-2	2-Amino-4,6-dinitrotoluene	0.457		0.25	0.050	0.013
88-72-2	2-Nitrotoluene	0.501		0.25	0.050	0.013
19406-51-0	4-Amino-2,6-dinitrotoluene	0.461		0.25	0.050	0.010
99-08-1	3-Nitrotoluene	0.502		0.25	0.050	0.016
2691-41-0	HMX	0.476		0.25	0.050	0.012
99-99-0	4-Nitrotoluene	0.497		0.25	0.050	0.018
98-95-3	Nitrobenzene	0.467		0.25	0.050	0.018
121-82-4	RDX	0.466		0.25	0.050	0.012
55-63-0	Nitroglycerin	0.934		0.50	0.25	0.015
479-45-8	Tetryl	0.385		0.25	0.050	0.010
99-35-4	1,3,5-Trinitrobenzene	0.460		0.25	0.050	0.010
78-11-5	PETN	1.01		0.50	0.25	0.025
118-96-7	2,4,6-Trinitrotoluene	0.411		0.25	0.050	0.019

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	97		78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC11\20130416-3912.b\P-000077.D
 Lims ID: LCS 320-13877/2-A Client ID:
 Inject. Date: 19-Apr-2013 11:43:51 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: 320-0003912-076
 Misc. Info.:
 Operator: KR/RN Instrument ID: LC11
 Injection Vol: 500.0 ul ALS Bottle#: 74
 Lims Batch ID: 14412 Lims Sample ID: 76
 Method: \\SACChrom\ChromData\LC11\20130416-3912.b\8330 Metab LC11.m
 Last Update: 19-Apr-2013 13:51:06 Calib Date: 30-Apr-2012 21:31:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC11\20120531-303.b\M-009.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK006

First Level Reviewer: noonanr

Date: 19-Apr-2013 13:51:06

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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11 HMX
 1 20.163 20.144 0.019 5603 59.5
 19 RDX
 1 23.380 23.371 0.009 5480 58.3
 27 1,3,5-Trinitrobenzene
 1 25.276 25.268 0.008 12379 57.5
 24 1,3-Dinitrobenzene
 1 27.976 27.971 0.005 13206 57.8
 9 3,5-Dinitroaniline
 1 29.106 29.104 0.002 8384 55.7
 5 Nitrobenzene
 1 29.500 29.494 0.006 5746 58.4
 20 Tetryl
 1 29.816 29.814 0.002 5908 48.1
 7 Nitroglycerin
 2 30.250 30.251 -0.001 10508 116.7
 25 2,4,6-Trinitrotoluene
 1 30.973 30.971 0.002 6675 51.4
 26 4-Amino-2,6-dinitrotoluene
 1 31.983 31.984 -0.001 6018 57.7
 \$ 30 3,4-Dinitrotoluene
 1 32.323 32.321 0.002 4222 60.5
 2 32.323 32.321 0.002 8149 63.1
 6 2-Amino-4,6-dinitrotoluene
 1 32.656 32.651 0.005 6617 57.2
 12 2,6-Dinitrotoluene
 1 33.773 33.764 0.009 4558 57.2
 23 2,4-Dinitrotoluene
 1 34.150 34.148 0.002 7623 58.4

Data File: \\SACChrom\ChromData\LC11\20130416-3912.b\P-000077.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
16 o-Nitrotoluene						
1	36.896	36.887	0.009	3245	62.6	
15 p-Nitrotoluene						
1	38.076	38.071	0.005	4122	62.1	
8 m-Nitrotoluene						
1	39.483	39.481	0.002	4102	62.7	
21 PETN						
2	39.933	39.914	0.019	6481	126.3	

Report Date: 19-Apr-2013 13:51:06

Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC11\20130416-3912.b\IP-000077.D

Injection Date: 19-Apr-2013 11:43:51

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC11

Lims Batch ID: 14412

Lims Sample ID: 76

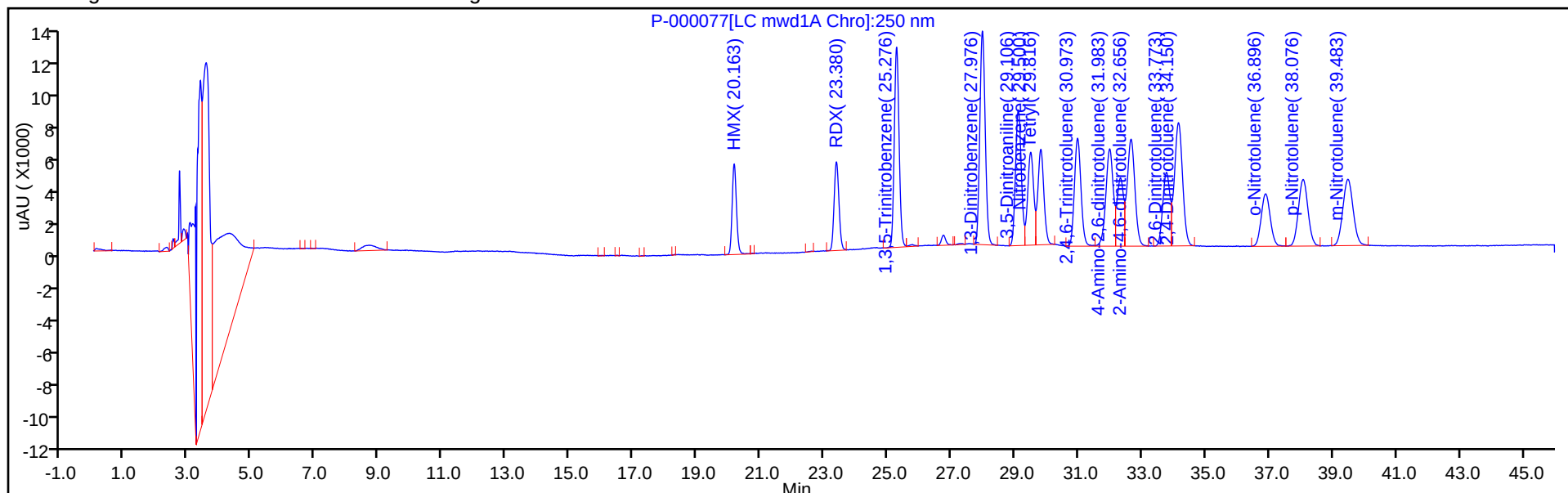
Operator ID: KR/RN

Injection Vol: 500.0 ul

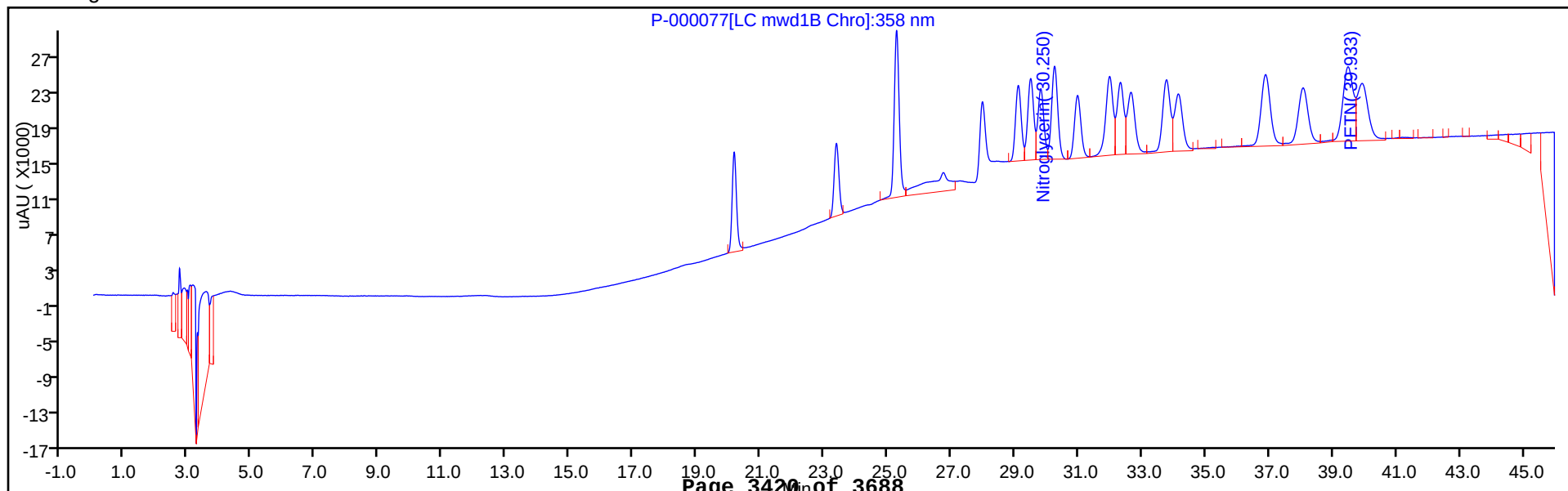
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Y Scaling:



HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1

SDG No.: _____

Instrument ID: LC10 Start Date: 04/19/2013 10:01Analysis Batch Number: 14686 End Date: 04/19/2013 18:02

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		04/19/2013 10:01	1		Synergi C18 4.6 (mm)
STD01 320-14686/2 IC		04/19/2013 10:45	1	S000003.D	Synergi C18 4.6 (mm)
STD02 320-14686/3 IC		04/19/2013 11:29	1	S000004.D	Synergi C18 4.6 (mm)
STD03 320-14686/4 IC		04/19/2013 12:12	1	S000005.D	Synergi C18 4.6 (mm)
STD04 320-14686/5 IC		04/19/2013 12:56	1	S000006.D	Synergi C18 4.6 (mm)
STD05 320-14686/6 IC		04/19/2013 13:40	1	S000007.D	Synergi C18 4.6 (mm)
ICRT 320-14686/7		04/19/2013 14:23	1	S000008.D	Synergi C18 4.6 (mm)
STD07 320-14686/8 IC		04/19/2013 15:07	1	S000009.D	Synergi C18 4.6 (mm)
STD08 320-14686/9 IC		04/19/2013 15:51	1	S000010.D	Synergi C18 4.6 (mm)
ZZZZZ		04/19/2013 16:34	1		Synergi C18 4.6 (mm)
ICV 320-14686/11		04/19/2013 17:18	1	S000012.D	Synergi C18 4.6 (mm)
LODV 320-14686/12		04/19/2013 18:02	1	S000013.D	Synergi C18 4.6 (mm)

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1

SDG No.: _____

Instrument ID: LC10 Start Date: 04/29/2013 14:54Analysis Batch Number: 15252 End Date: 04/30/2013 15:12

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVL 320-15252/1		04/29/2013 14:54	1	ZC000001.D	Synergi C18 4.6 (mm)
CCV 320-15252/2 CCVRT		04/29/2013 15:37	1	ZC000002.D	Synergi C18 4.6 (mm)
MB 320-13819/1-A		04/29/2013 16:21	1	ZC000003.D	Synergi C18 4.6 (mm)
LCS 320-13819/2-A		04/29/2013 17:05	1	ZC000004.D	Synergi C18 4.6 (mm)
240-22804-11	079RN-0317-0001-RN	04/29/2013 17:48	1	ZC000005.D	Synergi C18 4.6 (mm)
CCVL 320-15252/13		04/29/2013 23:38	1	ZC000013.D	Synergi C18 4.6 (mm)
CCV 320-15252/14 CCVRT		04/30/2013 00:21	1	ZC000014.D	Synergi C18 4.6 (mm)
CCV 320-15252/25 CCVRT		04/30/2013 08:21	1		Synergi C18 4.6 (mm)
CCV 320-15252/33 CCVRT		04/30/2013 15:12	1		Synergi C18 4.6 (mm)

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1

SDG No.: _____

Instrument ID: LC11 Start Date: 04/30/2012 13:54Analysis Batch Number: 1385 End Date: 05/01/2012 10:50

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		04/30/2012 13:54	1		
STD01 320-1385/2 IC		04/30/2012 14:52	1	M-002.D	
STD02 320-1385/3 IC		04/30/2012 15:49	1	M-003.D	
STD03 320-1385/4 IC		04/30/2012 16:46	1	M-004.D	
STD04 320-1385/5 IC		04/30/2012 17:43	1	M-005.D	
STD05 320-1385/6 IC		04/30/2012 18:40	1	M-006.D	
STD06 320-1385/7 IC		04/30/2012 19:37	1	M-007.D	
STD07 320-1385/8 IC		04/30/2012 20:34	1	M-008.D	
STD08 320-1385/9 IC		04/30/2012 21:31	1	M-009.D	
ZZZZZ		04/30/2012 22:28	1		
LODV 320-1385/11		04/30/2012 23:25	1	M-011.D	
LODV 320-1385/12		05/01/2012 00:22	1	M-012.D	
ICV 320-1385/13		05/01/2012 10:50	1	I-003.D	

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica SacramentoJob No.: 240-22804-1

SDG No.: _____

Instrument ID: LC11Start Date: 04/19/2013 01:15Analysis Batch Number: 14412End Date: 04/20/2013 04:52

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 320-14412/64 CCVRT		04/19/2013 01:15	1	P-000066.D	Synergi C18 4.6 (mm)
CCVL 320-14412/66		04/19/2013 02:12	1	P-000067.D	Synergi C18 4.6 (mm)
ZZZZZ		04/19/2013 03:09	1		Synergi C18 4.6 (mm)
ZZZZZ		04/19/2013 04:06	1		Synergi C18 4.6 (mm)
ZZZZZ		04/19/2013 05:03	1		Synergi C18 4.6 (mm)
ZZZZZ		04/19/2013 06:01	1		Synergi C18 4.6 (mm)
ZZZZZ		04/19/2013 06:58	1		Synergi C18 4.6 (mm)
ZZZZZ		04/19/2013 07:55	1		Synergi C18 4.6 (mm)
ZZZZZ		04/19/2013 08:52	1		Synergi C18 4.6 (mm)
MB 320-13877/1-A		04/19/2013 09:49	1	P-000075.D	Synergi C18 4.6 (mm)
CCV 320-14412/75 CCVRT		04/19/2013 10:46	1	P-000076.D	Synergi C18 4.6 (mm)
LCS 320-13877/2-A		04/19/2013 11:43	1	P-000077.D	Synergi C18 4.6 (mm)
ZZZZZ		04/19/2013 12:42	1		Synergi C18 4.6 (mm)
ZZZZZ		04/19/2013 13:39	1		Synergi C18 4.6 (mm)
ZZZZZ		04/19/2013 14:36	1		Synergi C18 4.6 (mm)
ZZZZZ		04/19/2013 15:33	1		Synergi C18 4.6 (mm)
ZZZZZ		04/19/2013 16:30	1		Synergi C18 4.6 (mm)
ZZZZZ		04/19/2013 17:27	1		Synergi C18 4.6 (mm)
ZZZZZ		04/19/2013 18:24	1		Synergi C18 4.6 (mm)
ZZZZZ		04/19/2013 19:21	1		Synergi C18 4.6 (mm)
240-22804-4	074SB-0010-0001-SO	04/19/2013 20:18	1	P-000086.D	Synergi C18 4.6 (mm)
CCV 320-14412/86 CCVRT		04/19/2013 21:15	1	P-000087.D	Synergi C18 4.6 (mm)
ZZZZZ		04/19/2013 22:12	1		Synergi C18 4.6 (mm)
ZZZZZ		04/19/2013 23:09	1		Synergi C18 4.6 (mm)
ZZZZZ		04/20/2013 00:06	1		Synergi C18 4.6 (mm)
ZZZZZ		04/20/2013 01:03	1		Synergi C18 4.6 (mm)
CCVL 320-14412/92		04/20/2013 03:54	1	P-000094.D	Synergi C18 4.6 (mm)
CCV 320-14412/91 CCVRT		04/20/2013 04:52	1		Synergi C18 4.6 (mm)

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1

SDG No.: _____

Instrument ID: LC12 Start Date: 02/13/2013 16:11Analysis Batch Number: 10422 End Date: 02/14/2013 04:11

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		02/13/2013 16:11	1		Zorbax CN 4.6 (mm)
STD01 320-10422/2 IC		02/13/2013 17:16	1	M000003.D	Zorbax CN 4.6 (mm)
STD02 320-10422/3 IC		02/13/2013 18:22	1	M000004.D	Zorbax CN 4.6 (mm)
STD03 320-10422/4 IC		02/13/2013 19:27	1	M000005.D	Zorbax CN 4.6 (mm)
STD04 320-10422/5 IC		02/13/2013 20:32	1	M000006.D	Zorbax CN 4.6 (mm)
STD05 320-10422/6 IC		02/13/2013 21:38	1	M000007.D	Zorbax CN 4.6 (mm)
STD06 320-10422/7 IC		02/13/2013 22:43	1	M000008.D	Zorbax CN 4.6 (mm)
STD07 320-10422/8 IC		02/13/2013 23:49	1	M000009.D	Zorbax CN 4.6 (mm)
STD08 320-10422/9 IC		02/14/2013 00:54	1	M000010.D	Zorbax CN 4.6 (mm)
ZZZZZ		02/14/2013 02:00	1		Zorbax CN 4.6 (mm)
ICV 320-10422/11		02/14/2013 03:05	1	M000012.D	Zorbax CN 4.6 (mm)
LODV 320-10422/12		02/14/2013 04:11	1	M000013.D	Zorbax CN 4.6 (mm)

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica SacramentoJob No.: 240-22804-1

SDG No.: _____

Instrument ID: LC12Start Date: 04/24/2013 23:18Analysis Batch Number: 14998End Date: 04/26/2013 20:29

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 320-14998/3 CCVRT		04/24/2013 23:18	1		Zorbax CN 4.6 (mm)
CCVL 320-14998/4 CCVRT		04/25/2013 00:24	1	X000030.D	Zorbax CN 4.6 (mm)
ZZZZZ		04/25/2013 08:07	1		Zorbax CN 4.6 (mm)
ZZZZZ		04/25/2013 09:13	1		Zorbax CN 4.6 (mm)
CCV 320-14998/13 CCVRT		04/25/2013 10:19	1		Zorbax CN 4.6 (mm)
ZZZZZ		04/25/2013 11:25	1		Zorbax CN 4.6 (mm)
ZZZZZ		04/25/2013 12:32	1		Zorbax CN 4.6 (mm)
ZZZZZ		04/25/2013 13:38	1		Zorbax CN 4.6 (mm)
ZZZZZ		04/25/2013 14:44	1		Zorbax CN 4.6 (mm)
ZZZZZ		04/25/2013 15:50	1		Zorbax CN 4.6 (mm)
ZZZZZ		04/25/2013 16:56	1		Zorbax CN 4.6 (mm)
ZZZZZ		04/25/2013 18:02	1		Zorbax CN 4.6 (mm)
ZZZZZ		04/25/2013 19:08	1		Zorbax CN 4.6 (mm)
ZZZZZ		04/25/2013 20:14	1		Zorbax CN 4.6 (mm)
CCV 320-14998/23 CCVRT		04/25/2013 21:20	1		Zorbax CN 4.6 (mm)
ZZZZZ		04/25/2013 22:26	1		Zorbax CN 4.6 (mm)
ZZZZZ		04/25/2013 23:33	1		Zorbax CN 4.6 (mm)
ZZZZZ		04/26/2013 00:39	1		Zorbax CN 4.6 (mm)
ZZZZZ		04/26/2013 01:45	1		Zorbax CN 4.6 (mm)
ZZZZZ		04/26/2013 02:51	1		Zorbax CN 4.6 (mm)
ZZZZZ		04/26/2013 03:57	1		Zorbax CN 4.6 (mm)
ZZZZZ		04/26/2013 05:03	1		Zorbax CN 4.6 (mm)
ZZZZZ		04/26/2013 06:09	1		Zorbax CN 4.6 (mm)
ZZZZZ		04/26/2013 07:15	1		Zorbax CN 4.6 (mm)
CCV 320-14998/33 CCVRT		04/26/2013 08:21	1	X000059.D	Zorbax CN 4.6 (mm)
ZZZZZ		04/26/2013 09:28	1		Zorbax CN 4.6 (mm)
MB 320-13877/1-A		04/26/2013 10:34	1	X000061.D	Zorbax CN 4.6 (mm)
ZZZZZ		04/26/2013 11:40	1		Zorbax CN 4.6 (mm)
ZZZZZ		04/26/2013 12:46	1		Zorbax CN 4.6 (mm)
ZZZZZ		04/26/2013 13:52	1		Zorbax CN 4.6 (mm)
ZZZZZ		04/26/2013 14:58	1		Zorbax CN 4.6 (mm)
ZZZZZ		04/26/2013 16:05	1		Zorbax CN 4.6 (mm)
ZZZZZ		04/26/2013 17:11	1		Zorbax CN 4.6 (mm)
240-22804-4	074SB-0010-0001-SO	04/26/2013 18:17	1	X000068.D	Zorbax CN 4.6 (mm)
CCV 320-14998/35 CCVRT		04/26/2013 19:23	1	X000069.D	Zorbax CN 4.6 (mm)
CCVL 320-14998/36 CCVRT		04/26/2013 20:29	1	X000070.D	Zorbax CN 4.6 (mm)

HPLC/IC BATCH WORKSHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1

SDG No.: _____

Batch Number: 13819 Batch Start Date: 04/08/13 11:28 Batch Analyst: Arauz, HoracioBatch Method: 8330-Prep Batch End Date: 04/13/13 11:50

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	HP34DNTSU 00012	HP8330SP 00013
MB 320-13819/1		8330-Prep, 8330B				1000 mL	20 mL	50 uL	
LCS 320-13819/2		8330-Prep, 8330B				1000 mL	20 mL	50 uL	20 uL
240-22804-O-11	079RN-0317-0001-RN	8330-Prep, 8330B	T	1287.4 g	390.30 g	897.1 mL	20 mL	50 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	HPNGPETNSP 00004					
MB 320-13819/1		8330-Prep, 8330B							
LCS 320-13819/2		8330-Prep, 8330B		100 uL					
240-22804-O-11	079RN-0317-0001-RN	8330-Prep, 8330B	T						

Batch Notes	
0.1% HOAc/CAN Lot 3	HPHOAC/ACN_00005
Balance ID	QA-070
Person's name who did the concentration	HA
Date of Clean up	4-13-13
Date Dilution Performed	4-13-13
Analytst performing Dilution	HA
Filter Lot #	.45um Millipore RASA72748
Date of Final Volume	4-13-13
Millipore Water Dispense Date	4-5-13
Prep Solvent Volume Used	5 mL
Person's name who witnessed reagent drop	TP
SPE Cartridge Lot #	Water 003832324A

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

HPLC/IC BATCH WORKSHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1

SDG No.: _____

Batch Number: 13877 Batch Start Date: 04/09/13 09:33 Batch Analyst: Arauz, HoracioBatch Method: 8330B Batch End Date: 04/10/13 11:50

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	HP34DNTSU 00012	HP8330SP 00013	HPNGPETNSP 00004	
MB 320-13877/1		8330B, 8330B		10.00 g	80 mL	100 uL			
LCS 320-13877/2		8330B, 8330B		10.00 g	80 mL	100 uL	100 uL	200 uL	
240-22804-F-4	074SB-0010-0001-SO	8330B, 8330B	T	10.07 g	80 mL	100 uL			

Batch Notes	
Balance ID	QA-070
Calcium Chloride Reagent ID	4515-027C
Date of Clean up	4/10/13
Analyst performed Clean Up	GB
Date Dilution Performed	4/10/13
Analytst performing Dilution	GB
Filter Lot #	R2SA74748
Filter Type	.45um Millipore
Minumum Temperature	11
Person's name who witnessed reagent drop	TP
Blank Sand Lot #	Fisher 120571
Solvent Lot #	4515-027D
Solvent Name	0.1% HOAC/ACN
Sonication Start Time	4-09-13 / 10:50
Sonication Stop Time	4-10-13 / 4:50
SOP Number	WS-LC-0009
Maximum Temperature	21

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Canton Job Number: 240-22804-1

SDG No.: _____

Project: RVAAP - ECC

Client Sample ID

074SB-0010-0001-SO

079RN-0317-0001-RN

Lab Sample ID

240-22804-4

240-22804-11

Comments:

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METALS

Lab Name: TestAmerica Pittsburgh Job Number: 240-22804-1

SDG No.: _____

Project: RVAAP - ECC

Client Sample ID

074SB-0010-0001-SO

079RN-0317-0001-RN

Lab Sample ID

240-22804-4

240-22804-11

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID:	074SB-0010-0001-SO	Lab Sample ID:	240-22804-4
Lab Name:	TestAmerica Canton	Job No.:	240-22804-1
SDG ID.:			
Matrix:	Solid	Date Sampled:	04/03/2013 11:40
Reporting Basis:	DRY	Date Received:	04/04/2013 08:00
% Solids:	84.8		

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.039	0.12	0.039	0.017	mg/Kg	U		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079RN-0317-0001-RN Lab Sample ID: 240-22804-11
Lab Name: TestAmerica Canton Job No.: 240-22804-1
SDG ID.:
Matrix: Water Date Sampled: 04/03/2013 15:00
Reporting Basis: WET Date Received: 04/04/2013 08:00

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

Client Sample ID: 074SB-0010-0001-SO

Lab Sample ID: 240-22804-4

Lab Name: TestAmerica Pittsburgh

Job No.: 240-22804-1

SDG ID.:

Matrix: Solid

Date Sampled: 04/03/2013 11:40

Reporting Basis: DRY

Date Received: 04/04/2013 08:00

% Solids: 84.8

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.037	0.12	0.035	0.013	mg/Kg	J		1	6020/DOD
Aluminum	12000	3.5	0.71	0.34	mg/Kg			1	6020/DOD
Arsenic	8.2	0.12	0.059	0.021	mg/Kg			1	6020/DOD
Barium	67	1.2	0.024	0.013	mg/Kg		Q	1	6020/DOD
Beryllium	0.60	0.12	0.012	0.0088	mg/Kg		Q	1	6020/DOD
Calcium	32000	12	2.9	1.6	mg/Kg			1	6020/DOD
Cadmium	0.20	0.12	0.035	0.016	mg/Kg			1	6020/DOD
Chromium	19	0.24	0.047	0.026	mg/Kg			1	6020/DOD
Cobalt	12	0.059	0.012	0.0028	mg/Kg		Q	1	6020/DOD
Copper	18	0.24	0.071	0.039	mg/Kg		Q	1	6020/DOD
Iron	24000	5.9	2.4	1.3	mg/Kg			1	6020/DOD
Magnesium	8000	12	2.4	1.3	mg/Kg			1	6020/DOD
Manganese	350	0.59	0.035	0.019	mg/Kg		Q	1	6020/DOD
Sodium	120	12	5.9	3.1	mg/Kg			1	6020/DOD
Nickel	28	0.12	0.035	0.013	mg/Kg			1	6020/DOD
Lead	11	0.12	0.035	0.018	mg/Kg		Q	1	6020/DOD
Antimony	0.12	0.24	0.12	0.054	mg/Kg	U		1	6020/DOD
Thallium	0.19	0.12	0.024	0.012	mg/Kg			1	6020/DOD
Vanadium	20	0.12	0.071	0.035	mg/Kg			1	6020/DOD
Zinc	52	0.59	0.24	0.076	mg/Kg		Q	1	6020/DOD
Potassium	2200	12	7.1	3.7	mg/Kg			1	6020/DOD
Selenium	0.26	0.59	0.12	0.060	mg/Kg	J		1	6020/DOD

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

Client Sample ID: 079RN-0317-0001-RN

Lab Sample ID: 240-22804-11

Lab Name: TestAmerica Pittsburgh

Job No.: 240-22804-1

SDG ID.:

Matrix: Water

Date Sampled: 04/03/2013 15:00

Reporting Basis: WET

Date Received: 04/04/2013 08:00

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.20	1.0	0.20	0.11	ug/L	U		1	6020/DOD
Aluminum	4.5	30	5.0	2.6	ug/L	J		1	6020/DOD
Arsenic	0.50	1.0	0.50	0.29	ug/L	U		1	6020/DOD
Barium	0.15	10	0.15	0.098	ug/L	U	Q	1	6020/DOD
Beryllium	0.090	1.0	0.090	0.045	ug/L	U	Q	1	6020/DOD
Calcium	23	100	20	9.4	ug/L	J		1	6020/DOD
Cadmium	0.30	1.0	0.30	0.13	ug/L	U		1	6020/DOD
Chromium	3.2	2.0	1.0	0.54	ug/L			1	6020/DOD
Cobalt	0.082	0.50	0.050	0.026	ug/L	J	Q	1	6020/DOD
Copper	0.41	2.0	0.50	0.24	ug/L	J	Q	1	6020/DOD
Iron	20	50	20	11	ug/L	U		1	6020/DOD
Magnesium	22	100	22	11	ug/L	U		1	6020/DOD
Manganese	0.74	5.0	0.30	0.16	ug/L	J	Q	1	6020/DOD
Sodium	65	100	55	27	ug/L	J		1	6020/DOD
Nickel	5.9	1.0	0.35	0.17	ug/L			1	6020/DOD
Lead	0.59	1.0	0.30	0.15	ug/L	J	Q	1	6020/DOD
Antimony	0.90	2.0	0.90	0.46	ug/L	U		1	6020/DOD
Thallium	0.20	1.0	0.20	0.10	ug/L	U		1	6020/DOD
Vanadium	0.60	1.0	0.60	0.30	ug/L	U		1	6020/DOD
Zinc	3.2	5.0	2.0	0.96	ug/L	J	Q	1	6020/DOD
Potassium	60	100	60	32	ug/L	U		1	6020/DOD
Selenium	1.0	5.0	1.0	0.51	ug/L	U		1	6020/DOD

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.: _____

ICV Source: MTHgStd_00009 Concentration Units: ug/L

CCV Source: MTHGCALW_00349

Analyte	ICV 240-80949/7-A 04/09/2013 10:41				CCVL 240-80949/10-A 04/09/2013 10:45				CCV 240-80949/12-A 04/09/2013 11:03			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	2.41		2.50	96	5.02		5.00	100	5.09		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.: 240-22804-1

SDG No.: _____

ICV Source: MTHgStd_00009 Concentration Units: ug/L

CCV Source: MTHGCALW_00349

Analyte	CCV 240-80949/12-A 04/09/2013 12:53				CCV 240-80949/12-A 04/09/2013 13:12				CCV 240-80949/12-A 04/09/2013 13:22			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	4.94		5.00	99	5.12		5.00	102	5.17		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.: 240-22804-1

SDG No.: _____

ICV Source: MTHgStd_00009 Concentration Units: ug/L

CCV Source: MTHGCALW_00358

Analyte	ICV 240-82640/7-A 04/19/2013 09:29				CCV 240-82640/10-A 04/19/2013 09:53				CCV 240-82640/10-A 04/19/2013 10:11			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	2.54		2.50	102	4.97		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.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.: _____

ICV Source: MTHgStd_00009 Concentration Units: ug/L

CCV Source: MTHGCALW_00358

Analyte	CCV 240-82640/10-A 04/19/2013 10:35											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	4.90		5.00	98								

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 Pittsburgh Job No.: 240-22804-1

SDG No.: _____

ICV Source: MICVX_00005 Concentration Units: ug/L

CCV Source: CCVHL1_00002

Analyte	ICV 180-71214/5 05/07/2013 11:49				CCV 180-71214/10 05/07/2013 12:31							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	420		400	105	466000		500000	93				
Barium	80.0		80.0	100	15600		15000	104				
Chromium	81.0		80.0	101	21300		20000	106				
Copper	82.9		80.0	104	19900		20000	100				
Iron	19800		20000	99	518000		500000	104				
Lead	77.1		80.0	96	19300		20000	97				
Manganese	399		400	100	20900		20000	105				
Nickel	81.4		80.0	102	10200		10000	102				
Zinc	84.6		80.0	106	20500		20000	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 Pittsburgh Job No.: 240-22804-1

SDG No.: _____

ICV Source: MICVX_00005 Concentration Units: ug/L

CCV Source: CCVHL2_00002

Analyte	ICV 180-71214/5 05/07/2013 11:49				CCV 180-71214/11 05/07/2013 12:40							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Calcium	37600		40000	94	965000		1000000	96				
Magnesium	39900		40000	100	939000		1000000	94				
Potassium	40300		40000	101	486000		500000	97				
Sodium	39700		40000	99	481000		500000	96				

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 Pittsburgh Job No.: 240-22804-1

SDG No.: _____

ICV Source: MICVX_00005 Concentration Units: ug/L

CCV Source: MCCV1X_00041

Analyte	ICV 180-71214/5 05/07/2013 11:49				CCV 180-71214/12 05/07/2013 12:48				CCV 180-71214/24 05/07/2013 14:26			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	420		400	105	514		500	103	515		500	103
Antimony	82.7		80.0	103	99.6		100	100	97.4		100	97
Arsenic	78.3		80.0	98	99.5		100	99	101		100	101
Barium	80.0		80.0	100	97.5		100	98	95.5		100	96
Beryllium	82.0		80.0	103	104		100	104	101		100	101
Cadmium	81.3		80.0	102	99.0		100	99	96.3		100	96
Calcium	37600		40000	94	46100		50000	92	47100		50000	94
Chromium	81.0		80.0	101	97.9		100	98	100		100	100
Cobalt	79.6		80.0	100	98.8		100	99	101		100	101
Copper	82.9		80.0	104	102		100	102	104		100	104
Iron	19800		20000	99	24600		25000	98	25100		25000	100
Lead	77.1		80.0	96	95.3		100	95	97.3		100	97
Magnesium	39900		40000	100	50300		50000	101	50000		50000	100
Manganese	399		400	100	487		500	97	497		500	99
Nickel	81.4		80.0	102	102		100	102	104		100	104
Potassium	40300		40000	101	49100		50000	98	49600		50000	99
Selenium	79.0		80.0	99	97.8		100	98	100		100	100
Silver	82.7		80.0	103	97.6		100	98	99.3		100	99
Sodium	39700		40000	99	49400		50000	99	49000		50000	98
Thallium	78.8		80.0	98	94.5		100	95	96.0		100	96
Vanadium	81.4		80.0	102	98.5		100	99	101		100	101
Zinc	84.6		80.0	106	103		100	103	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 Pittsburgh Job No.: 240-22804-1

SDG No.: _____

ICV Source: MICVX_00005 Concentration Units: ug/L

CCV Source: MCCV1X_00041

Analyte	CCV 180-71214/36 05/07/2013 16:05											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	487		500	97								
Antimony	97.3		100	97								
Arsenic	99.8		100	100								
Barium	94.3		100	94								
Beryllium	103		100	103								
Cadmium	97.2		100	97								
Calcium	46100		50000	92								
Chromium	99.5		100	99								
Cobalt	101		100	101								
Copper	104		100	104								
Iron	25100		25000	100								
Lead	96.7		100	97								
Magnesium	47900		50000	96								
Manganese	495		500	99								
Nickel	102		100	102								
Potassium	48300		50000	97								
Selenium	99.1		100	99								
Silver	99.4		100	99								
Sodium	47100		50000	94								
Thallium	95.9		100	96								
Vanadium	98.8		100	99								
Zinc	104		100	104								

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.: 240-22804-1
SDG No.: _____
Method: 7470A/DOD Instrument ID: H1
Lab Sample ID: CRA 240-80949/9-A Concentration Units: ug/L
CRQL Check Standard Source: MTHGCALW_00349

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.186	J	93	

Lab Sample ID: CRA 240-80949/9-A Concentration Units: ug/L
CRQL Check Standard Source: MTHGCALW_00349

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.196	J	98	

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.: 240-22804-1
SDG No.: _____
Method: 7471/DOD Instrument ID: H1
Lab Sample ID: CRA 240-82640/9-A Concentration Units: ug/L
CRQL Check Standard Source: MTHGCALW_00358

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.145	J	73	

Lab Sample ID: CRA 240-82640/9-A Concentration Units: ug/L
CRQL Check Standard Source: MTHGCALW_00358

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.131	J	65	

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 Pittsburgh Job No.: 240-22804-1
 SDG No.: _____
 Method: 6020/DOD Instrument ID: M
 Lab Sample ID: CRI 180-71214/7 Concentration Units: ug/L
 CRQL Check Standard Source: MCRIX_00032

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Silver	1.00	1.03		103	80-120
Aluminum	30.0	35.8		119	80-120
Arsenic	1.00	1.04		104	80-120
Barium	10.0	9.64	J	96	80-120
Beryllium	1.00	0.957	J	96	80-120
Calcium	100	96.5	J	97	80-120
Cadmium	1.00	1.11		111	80-120
Chromium	2.00	1.82	J	91	80-120
Cobalt	0.500	0.499	J	100	80-120
Copper	2.00	2.14		107	80-120
Iron	50.0	59.3		119	80-120
Magnesium	100	97.9	J	98	80-120
Manganese	5.00	5.16		103	80-120
Sodium	100	93.6	J	94	80-120
Nickel	1.00	1.07		107	80-120
Lead	1.00	0.914	J	91	80-120
Antimony	2.00	1.99	J	100	80-120
Thallium	1.00	0.856	J	86	80-120
Vanadium	1.00	0.942	J	94	80-120
Zinc	5.00	5.65		113	80-120
Potassium	100	93.2	J	93	80-120
Selenium	5.00	4.55	J	91	80-120

Lab Sample ID: CRI 180-71214/74 Concentration Units: ug/L
 CRQL Check Standard Source: MCRIX_00032

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Silver	1.00	0.992	J	99	80-120
Aluminum	30.0	34.4		115	80-120
Arsenic	1.00	0.865	J	86	80-120
Barium	10.0	9.44	J	94	80-120
Beryllium	1.00	1.14		114	80-120
Calcium	100	92.4	J	92	80-120
Cadmium	1.00	1.13		113	80-120
Chromium	2.00	1.92	J	96	80-120

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

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22804-1
 SDG No.: _____
 Method: 6020/DOD Instrument ID: M
 Lab Sample ID: CRI 180-71214/74 Concentration Units: ug/L
 CRQL Check Standard Source: MCRIX_00032

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Cobalt	0.500	0.530		106	80-120
Copper	2.00	2.40		120	80-120
Iron	50.0	57.5		115	80-120
Magnesium	100	99.4	J	99	80-120
Manganese	5.00	5.40		108	80-120
Sodium	100	98.2	J	98	80-120
Nickel	1.00	1.04		104	80-120
Lead	1.00	0.969	J	97	80-120
Antimony	2.00	2.01		100	80-120
Thallium	1.00	0.862	J	86	80-120
Vanadium	1.00	0.959	J	96	80-120
Zinc	5.00	5.70		114	80-120
Potassium	100	80.1	J	80	80-120
Selenium	5.00	4.18	J	84	80-120

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.: 240-22804-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 240-80949/8-A 04/09/2013 10:42		CCB 240-80949/11-A 04/09/2013 10:47		CCB 240-80949/11-A 04/09/2013 11:05		CCB 240-80949/11-A 04/09/2013 12:55	
		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.: 240-22804-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	CCB 240-80949/11-A 04/09/2013 13:14		CCB 240-80949/11-A 04/09/2013 13:24					
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	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.: 240-22804-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 240-82640/8-A 04/19/2013 09:31		CCB 240-82640/11-A 04/19/2013 09:55		CCB 240-82640/11-A 04/19/2013 10:13		CCB 240-82640/11-A 04/19/2013 10:37	
		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 Pittsburgh

Job No.: 240-22804-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 180-71214/6 05/07/2013 11:57		CCB1 180-71214/13 05/07/2013 12:56		CCB2 180-71214/25 05/07/2013 14:34		CCB3 180-71214/37 05/07/2013 16:13	
		Found	C	Found	C	Found	C	Found	C
Aluminum	30	5.0	U	2.97	J	5.18	J	5.0	U
Antimony	2.0	0.90	U	0.90	U	0.90	U	0.90	U
Arsenic	1.0	0.50	U	0.50	U	0.50	U	0.50	U
Barium	10	0.15	U	0.15	U	0.15	U	0.15	U
Beryllium	1.0	0.090	U	0.090	U	0.090	U	0.090	U
Cadmium	1.0	0.30	U	0.30	U	0.30	U	0.174	J
Calcium	100	20	U	13.9	J	14.5	J	11.9	J
Chromium	2.0	1.0	U	1.0	U	1.0	U	1.0	U
Cobalt	0.50	0.050	U	0.050	U	0.050	U	0.0260	J
Copper	2.0	0.50	U	0.50	U	0.50	U	0.50	U
Iron	50	20	U	13.7	J	12.4	J	11.4	J
Lead	1.0	0.30	U	0.30	U	0.30	U	0.208	J
Magnesium	100	22	U	15.7	J	11.4	J	22	U
Manganese	5.0	0.290	J	0.289	J	0.346	J	0.632	J
Nickel	1.0	0.35	U	0.35	U	0.35	U	0.35	U
Potassium	100	60	U	60	U	60	U	60	U
Selenium	5.0	1.0	U	1.0	U	1.0	U	1.0	U
Silver	1.0	0.20	U	0.20	U	0.20	U	0.20	U
Sodium	100	55	U	55	U	55	U	55	U
Thallium	1.0	0.20	U	0.20	U	0.20	U	0.20	U
Vanadium	1.0	0.60	U	0.60	U	0.60	U	0.60	U
Zinc	5.0	2.0	U	2.0	U	2.0	U	2.0	U

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.: _____

Concentration Units: ug/L Lab Sample ID: MB 240-80775/1-A

Instrument Code: H1 Batch No.: 81255

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.: 240-22804-1

SDG No.: _____

Concentration Units: mg/Kg Lab Sample ID: MB 240-82367/1-A

Instrument Code: H1 Batch No.: 82912

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

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22804-1
 SDG No.: _____
 Concentration Units: mg/Kg Lab Sample ID: MB 180-69392/1-A
 Instrument Code: M Batch No.: 71214

CAS No.	Analyte	Concentration	C	Q	Method
7440-22-4	Silver	0.030	U		6020_DoD
7429-90-5	Aluminum	0.60	U		6020_DoD
7440-38-2	Arsenic	0.050	U		6020_DoD
7440-39-3	Barium	0.0175	J	Q	6020_DoD
7440-41-7	Beryllium	0.010	U	Q	6020_DoD
7440-70-2	Calcium	2.53	J		6020_DoD
7440-43-9	Cadmium	0.0149	J		6020_DoD
7440-47-3	Chromium	0.040	U		6020_DoD
7440-48-4	Cobalt	0.010	U	Q	6020_DoD
7440-50-8	Copper	0.060	U	Q	6020_DoD
7439-89-6	Iron	1.17	J		6020_DoD
7439-95-4	Magnesium	2.0	U		6020_DoD
7439-96-5	Manganese	0.0198	J	Q	6020_DoD
7440-23-5	Sodium	5.0	U		6020_DoD
7440-02-0	Nickel	0.030	U		6020_DoD
7439-92-1	Lead	0.030	U	Q	6020_DoD
7440-36-0	Antimony	0.10	U		6020_DoD
7440-28-0	Thallium	0.020	U		6020_DoD
7440-62-2	Vanadium	0.060	U		6020_DoD
7440-66-6	Zinc	0.20	U	Q	6020_DoD
7440-09-7	Potassium	6.0	U		6020_DoD
7782-49-2	Selenium	0.10	U		6020_DoD

3-IN
METHOD BLANK
METALS - TOTAL RECOVERABLE

Lab Name: TestAmerica Pittsburgh Job No.: 240-22804-1
 SDG No.: _____
 Concentration Units: ug/L Lab Sample ID: MB 180-70060/1-A
 Instrument Code: M Batch No.: 71214

CAS No.	Analyte	Concentration	C	Q	Method
7440-22-4	Silver	0.20	U		6020_DoD
7429-90-5	Aluminum	5.0	U		6020_DoD
7440-38-2	Arsenic	0.50	U		6020_DoD
7440-39-3	Barium	0.15	U	Q	6020_DoD
7440-41-7	Beryllium	0.090	U	Q	6020_DoD
7440-70-2	Calcium	20	U		6020_DoD
7440-43-9	Cadmium	0.30	U		6020_DoD
7440-47-3	Chromium	1.0	U		6020_DoD
7440-48-4	Cobalt	0.050	U	Q	6020_DoD
7440-50-8	Copper	0.50	U	Q	6020_DoD
7439-89-6	Iron	20	U		6020_DoD
7439-95-4	Magnesium	22	U		6020_DoD
7439-96-5	Manganese	0.30	U	Q	6020_DoD
7440-23-5	Sodium	55	U		6020_DoD
7440-02-0	Nickel	0.35	U		6020_DoD
7439-92-1	Lead	0.408	J	Q	6020_DoD
7440-36-0	Antimony	0.90	U		6020_DoD
7440-28-0	Thallium	0.20	U		6020_DoD
7440-62-2	Vanadium	0.60	U		6020_DoD
7440-66-6	Zinc	2.0	U	Q	6020_DoD
7440-09-7	Potassium	60	U		6020_DoD
7782-49-2	Selenium	1.0	U		6020_DoD

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22804-1
 SDG No.: _____
 Lab Sample ID: ICSA 180-71214/8 Instrument ID: M
 Lab File ID: M30507A.xml ICS Source: MICSAX_00031
 Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	100000	93160	93
Antimony		0.466	
Arsenic		0.425	
Barium		0.707	
Beryllium		0.181	
Cadmium		0.271	
Calcium	100000	94220	94
Chromium		-0.0780	
Cobalt		0.273	
Copper		1.42	
Iron	100000	103100	103
Lead		0.800	
Magnesium	100000	95040	95
Manganese		1.29	
Nickel		0.223	
Potassium	100000	97930	98
Selenium		0.533	
Silver		0.195	
Sodium	100000	95430	95
Thallium		0.173	
Vanadium		-0.453	
Zinc		5.37	
Boron		-5.92	
Molybdenum	2000	2254	113
Silicon		26.8	
Strontium		5.12	
Tin		1.06	
Titanium	2000	2227	111

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

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22804-1
 SDG No.: _____
 Lab Sample ID: ICSAB 180-71214/9 Instrument ID: M
 Lab File ID: M30507A.xml ICS Source: MICSABX_00035
 Concentration Units: ug/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Aluminum	100000	90623	91
Antimony	20.0	19.6	98
Arsenic	20.0	20.4	102
Barium	20.0	20.2	101
Beryllium	20.0	18.7	93
Cadmium	20.0	19.2	96
Calcium	100000	92633	93
Chromium	20.0	19.3	96
Cobalt	20.0	20.1	100
Copper	20.0	20.3	102
Iron	100000	100327	100
Lead	20.0	20.9	104
Magnesium	100000	92153	92
Manganese	22.5	20.8	92
Nickel	20.0	19.3	96
Potassium	100000	95527	96
Selenium	50.0	50.0	100
Silver	20.0	18.6	93
Sodium	100000	92750	93
Thallium	20.0	20.3	101
Vanadium	20.0	19.3	96
Zinc	25.0	24.0	96
<i>Boron</i>	<i>50.0</i>	<i>35.5</i>	<i>71</i>
<i>Molybdenum</i>	<i>2000</i>	<i>2210</i>	<i>111</i>
<i>Silicon</i>	<i>500</i>	<i>493</i>	<i>99</i>
<i>Strontium</i>	<i>25.0</i>	<i>26.1</i>	<i>105</i>
<i>Tin</i>	<i>100</i>	<i>100</i>	<i>100</i>
<i>Titanium</i>	<i>2000</i>	<i>2177</i>	<i>109</i>

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

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS - TOTAL RECOVERABLE

Client ID: 079RN-0317-0001-RN MS

Lab ID: 240-22804-11 MS

Lab Name: TestAmerica Pittsburgh

Job No.: 240-22804-1

SDG No.: _____

Matrix: Water

Concentration Units: ug/L

% Solids: _____

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Silver	47.2	0.20 U	50.0	94	10-139		6020/DOD
Aluminum	1620	4.5 J	2000	81	63-128		6020/DOD
Arsenic	35.5	0.50 U	40.0	89	82-123		6020/DOD
Barium	1760	0.15 U	2000	88	45-144	Q	6020/DOD
Beryllium	50.0	0.090 U	50.0	100	77-124	Q	6020/DOD
Calcium	41800	23 J	50000	83	70-130		6020/DOD
Cadmium	47.8	0.30 U	50.0	96	78-117		6020/DOD
Chromium	181	3.2	200	89	72-110		6020/DOD
Cobalt	447	0.082 J	500	89	67-114	Q	6020/DOD
Copper	231	0.41 J	250	92	60-123	Q	6020/DOD
Iron	915	20 U	1000	92	22-169		6020/DOD
Magnesium	41600	22 U	50000	83	70-130		6020/DOD
Manganese	455	0.74 J	500	91	10-172	Q	6020/DOD
Sodium	41200	65 J	50000	82	80-120		6020/DOD
Nickel	458	5.9	500	90	72-111		6020/DOD
Lead	18.5	0.59 J	20.0	90	73-115	Q	6020/DOD
Antimony	462	0.90 U	500	92	44-153		6020/DOD
Thallium	44.0	0.20 U	50.0	88	69-117		6020/DOD
Vanadium	449	0.60 U	500	90	70-112		6020/DOD
Zinc	465	3.2 J	500	92	49-156	Q	6020/DOD
Potassium	42600	60 U	50000	85	70-130		6020/DOD
Selenium	8.74	1.0 U	10.0	87	72-148		6020/DOD

SSR = Spiked Sample Result

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

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS - TOTAL RECOVERABLE

Client ID: 079RN-0317-0001-RN MSD

Lab ID: 240-22804-11 MSD

Lab Name: TestAmerica Pittsburgh

Job No.: 240-22804-1

SDG No.: _____

Matrix: Water

Concentration Units: ug/L

% Solids: _____

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Silver	47.5	50.0	95	10-139	1	20		6020/DOD
Aluminum	1610	2000	80	63-128	1	20		6020/DOD
Arsenic	35.8	40.0	90	82-123	1	20		6020/DOD
Barium	1770	2000	89	45-144	0	20	Q	6020/DOD
Beryllium	48.7	50.0	97	77-124	3	20	Q	6020/DOD
Calcium	41700	50000	83	70-130	0	20		6020/DOD
Cadmium	47.3	50.0	95	78-117	1	20		6020/DOD
Chromium	181	200	89	72-110	0	20		6020/DOD
Cobalt	442	500	88	67-114	1	20	Q	6020/DOD
Copper	228	250	91	60-123	1	20	Q	6020/DOD
Iron	905	1000	91	22-169	1	20		6020/DOD
Magnesium	41200	50000	82	70-130	1	20		6020/DOD
Manganese	453	500	90	10-172	0	20	Q	6020/DOD
Sodium	40700	50000	81	80-120	1	20		6020/DOD
Nickel	455	500	90	72-111	1	20		6020/DOD
Lead	18.6	20.0	90	73-115	0	20	Q	6020/DOD
Antimony	463	500	93	44-153	0	20		6020/DOD
Thallium	44.4	50.0	89	69-117	1	20		6020/DOD
Vanadium	451	500	90	70-112	0	20		6020/DOD
Zinc	463	500	92	49-156	0	20	Q	6020/DOD
Potassium	42500	50000	85	70-130	0	20		6020/DOD
Selenium	9.45	10.0	95	72-148	8	20		6020/DOD

SDR = Sample Duplicate Result

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

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS - TOTAL RECOVERABLE

Client ID: 079RN-0317-0001-RN PDS

Lab ID: 240-22804-11 PDS

Lab Name: TestAmerica Pittsburgh

Job No.: 240-22804-1

SDG No.: _____

Matrix: Water

Concentration Units: ug/L

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Silver	51.5	0.20 U	50.0	103	80-120		6020/DOD
Aluminum	1760	4.5 J	2000	88	80-120		6020/DOD
Arsenic	37.1	0.50 U	40.0	93	80-120		6020/DOD
Barium	1930	0.15 U	2000	97	80-120	Q	6020/DOD
Beryllium	52.6	0.090 U	50.0	105	80-120	Q	6020/DOD
Calcium	44900	23 J	50000	90	80-120		6020/DOD
Cadmium	50.6	0.30 U	50.0	101	80-120		6020/DOD
Chromium	197	3.2	200	97	80-120		6020/DOD
Cobalt	484	0.082 J	500	97	80-120	Q	6020/DOD
Copper	246	0.41 J	250	98	80-120	Q	6020/DOD
Iron	999	20 U	1000	100	80-120		6020/DOD
Magnesium	44700	22 U	50000	89	80-120		6020/DOD
Manganese	496	0.74 J	500	99	80-120	Q	6020/DOD
Sodium	44300	65 J	50000	88	80-120		6020/DOD
Nickel	494	5.9	500	98	80-120		6020/DOD
Lead	20.2	0.59 J	20.0	98	80-120	Q	6020/DOD
Antimony	475	0.90 U	500	95	80-120		6020/DOD
Thallium	49.5	0.20 U	50.0	99	80-120		6020/DOD
Vanadium	488	0.60 U	500	98	80-120		6020/DOD
Zinc	504	3.2 J	500	100	80-120	Q	6020/DOD
Potassium	46100	60 U	50000	92	80-120		6020/DOD
Selenium	9.21	1.0 U	10.0	92	80-120		6020/DOD

SSR = Spiked Sample Result

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

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 240-80775/2-A

Lab Name: TestAmerica Canton

Job No.: 240-22804-1

Sample Matrix: Water

LCS Source: MTHGCALW_00348

Analyte	Water (ug/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	5.00	4.20		84	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 240-82367/2-A

Lab Name: TestAmerica Canton

Job No.: 240-22804-1

Sample Matrix: Solid

LCS Source: MTHGCALW_00356

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Mercury	0.833	0.783		94	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 180-69392/2-A

Lab Name: TestAmerica Pittsburgh

Job No.: 240-22804-1

Sample Matrix: Solid

LCS Source: MTAPITTICPMS_00014

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Silver	4.76	4.47		94	60	114		6020/DOD
Aluminum	190	181		95	80	120		6020/DOD
Arsenic	3.81	3.27		86	73	110		6020/DOD
Barium	190	177		93	70	110	Q	6020/DOD
Beryllium	4.76	4.00		84	79	110	Q	6020/DOD
Calcium	4760	4080		86	80	120		6020/DOD
Cadmium	4.76	4.06		85	74	110		6020/DOD
Chromium	19.0	17.6		93	70	110		6020/DOD
Cobalt	47.6	45.9		96	74	110	Q	6020/DOD
Copper	23.8	23.8		100	73	110	Q	6020/DOD
Iron	95.2	102		107	80	120		6020/DOD
Magnesium	4760	4360		92	80	120		6020/DOD
Manganese	47.6	43.9		92	80	120	Q	6020/DOD
Sodium	4760	4350		91	80	120		6020/DOD
Nickel	47.6	46.3		97	75	110		6020/DOD
Lead	1.90	1.89		99	75	110	Q	6020/DOD
Antimony	47.6	40.9		86	68	113		6020/DOD
Thallium	4.76	4.62		97	71	110		6020/DOD
Vanadium	47.6	44.8		94	72	110		6020/DOD
Zinc	47.6	39.5		83	72	113	Q	6020/DOD
Potassium	4760	4320		91	80	120		6020/DOD
Selenium	0.952	0.792		83	65	110		6020/DOD

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

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS - TOTAL RECOVERABLE

Lab ID: LCS 180-70060/2-A

Lab Name: TestAmerica Pittsburgh

Job No.: 240-22804-1

Sample Matrix: Water

LCS Source: MTAPITTICPMS_00014

Analyte	Water (ug/L)							
	True	Found	C	%R	Limits		Q	Method
Silver	50.0	48.0		96	80	120		6020/DOD
Aluminum	2000	1760		88	80	120		6020/DOD
Arsenic	40.0	36.3		91	80	120		6020/DOD
Barium	2000	1820		91	80	120	Q	6020/DOD
Beryllium	50.0	50.6		101	80	120	Q	6020/DOD
Calcium	50000	44100		88	80	120		6020/DOD
Cadmium	50.0	47.8		96	80	120		6020/DOD
Chromium	200	188		94	80	120		6020/DOD
Cobalt	500	467		93	80	120	Q	6020/DOD
Copper	250	239		96	80	120	Q	6020/DOD
Iron	1000	952		95	80	120		6020/DOD
Magnesium	50000	45200		90	80	120		6020/DOD
Manganese	500	476		95	80	120	Q	6020/DOD
Sodium	50000	44800		90	80	120		6020/DOD
Nickel	500	472		94	80	120		6020/DOD
Lead	20.0	19.8		99	80	120	Q	6020/DOD
Antimony	500	469		94	80	120		6020/DOD
Thallium	50.0	44.0		88	80	120		6020/DOD
Vanadium	500	470		94	80	120		6020/DOD
Zinc	500	483		97	80	120	Q	6020/DOD
Potassium	50000	45900		92	80	120		6020/DOD
Selenium	10.0	9.55		96	80	120		6020/DOD

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

FORM VIIA - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS - TOTAL RECOVERABLE

Lab ID: 240-22804-11

SDG No:

Lab Name: TestAmerica Pittsburgh

Job No: 240-22804-1

Matrix: Water

Concentration Units: ug/L

Analyte	Initial Sample Result (I) C		Serial Dilution Result (S) C		% Difference	Q	Method
Silver	0.20	U	1.0	U	NC		6020/DOD
Aluminum	4.5	J	29.3	J	NC	D	6020/DOD
Arsenic	0.50	U	2.5	U	NC		6020/DOD
Barium	0.15	U	0.75	U	NC	Q	6020/DOD
Beryllium	0.090	U	0.45	U	NC	Q	6020/DOD
Calcium	23	J	102	J	NC	D	6020/DOD
Cadmium	0.30	U	1.5	U	NC		6020/DOD
Chromium	3.2		3.53	J	NC	D	6020/DOD
Cobalt	0.082	J	0.25	U	NC	Q	6020/DOD
Copper	0.41	J	2.5	U	NC	Q	6020/DOD
Iron	20	U	100	U	NC		6020/DOD
Magnesium	22	U	110	U	NC		6020/DOD
Manganese	0.74	J	1.18	J	NC	Q D	6020/DOD
Sodium	65	J	280	U	NC		6020/DOD
Nickel	5.9		7.21		NC	D	6020/DOD
Lead	0.59	J	1.34	J	NC	Q D	6020/DOD
Antimony	0.90	U	4.5	U	NC		6020/DOD
Thallium	0.20	U	1.0	U	NC		6020/DOD
Vanadium	0.60	U	3.0	U	NC		6020/DOD
Zinc	3.2	J	5.45	J	NC	Q D	6020/DOD
Potassium	60	U	300	U	NC		6020/DOD
Selenium	1.0	U	5.0	U	NC		6020/DOD

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

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Canton Job Number: 240-22804-1
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: 240-22804-1
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: 240-22804-1
SDG Number: _____
Matrix: Solid Instrument ID: H1
Method: 7471/DOD DL Date: 02/16/2010 09:46
Prep Method: 7471A

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

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Canton Job Number: 240-22804-1
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)
Mercury	253.7	0.2	0.12

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Pittsburgh Job Number: 240-22804-1
 SDG Number: _____
 Matrix: Solid Instrument ID: M
 Method: 6020/DOD DL Date: 01/26/2010 16:34
 Prep Method: 3050B

Analyte	Wavelength/ Mass	LOQ (mg/Kg)	DL (mg/Kg)
Aluminum	27	3	0.2849
Antimony	121	0.2	0.0459
Arsenic	75	0.1	0.0181
Barium	137	1	0.0107
Beryllium	9	0.1	0.0075
Cadmium	111	0.1	0.0132
Calcium	44	10	1.326
Chromium	52	0.2	0.0223
Cobalt	59	0.05	0.0024
Copper	65	0.2	0.033
Iron	56	5	1.077
Lead	208	0.1	0.0154
Magnesium	26	10	1.079
Manganese	55	0.5	0.0159
Nickel	60	0.1	0.0113
Potassium	39	10	3.155
Selenium	82	0.5	0.0509
Silver	107	0.1	0.0114
Sodium	23	10	2.658
Thallium	205	0.1	0.0102
Vanadium	51	0.1	0.0299
Zinc	66	0.5	0.0648

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Pittsburgh Job Number: 240-22804-1
SDG Number: _____
Matrix: Solid Instrument ID: M
Method: 6020/DOD XMDL Date: 01/26/2010 16:34

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Aluminum	27	30	2.5662
Antimony	121	2	0.459
Arsenic	75	1	0.2908
Barium	137	10	0.098
Beryllium	9	1	0.0451
Cadmium	111	1	0.132
Calcium	44	100	9.357
Chromium	52	2	0.5433
Cobalt	59	0.5	0.0263
Copper	65	2	0.2443
Iron	56	50	10.77
Lead	208	1	0.154
Magnesium	26	100	10.8
Manganese	55	5	0.159
Nickel	60	1	0.1749
Potassium	39	100	31.6
Selenium	82	5	0.509
Silver	107	1	0.114
Sodium	23	100	26.8
Thallium	205	1	0.102
Vanadium	51	1	0.299
Zinc	66	5	0.9609

9-IN
DETECTION LIMITS
METALS - TOTAL RECOVERABLE

Lab Name: TestAmerica Pittsburgh Job Number: 240-22804-1
 SDG Number: _____
 Matrix: Water Instrument ID: M
 Method: 6020/DOD DL Date: 01/26/2010 16:35
 Prep Method: 3005A

Analyte	Wavelength/ Mass	LOQ (ug/L)	DL (ug/L)
Aluminum	27	30	2.5662
Antimony	121	2	0.459
Arsenic	75	1	0.2908
Barium	137	10	0.098
Beryllium	9	1	0.0451
Cadmium	111	1	0.132
Calcium	44	100	9.357
Chromium	52	2	0.5433
Cobalt	59	0.5	0.0263
Copper	65	2	0.2443
Iron	56	50	10.77
Lead	208	1	0.154
Magnesium	26	100	10.8
Manganese	55	5	0.159
Nickel	60	1	0.1749
Potassium	39	100	31.6
Selenium	82	5	0.509
Silver	107	1	0.114
Sodium	23	100	26.8
Thallium	205	1	0.102
Vanadium	51	1	0.299
Zinc	66	5	0.9609

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - TOTAL RECOVERABLE

Lab Name: TestAmerica Pittsburgh Job Number: 240-22804-1
SDG Number: _____
Matrix: Water Instrument ID: M
Method: 6020/DOD XMDL Date: 01/26/2010 16:35

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Aluminum	27	30	2.5662
Antimony	121	2	0.459
Arsenic	75	1	0.2908
Barium	137	10	0.098
Beryllium	9	1	0.0451
Cadmium	111	1	0.132
Calcium	44	100	9.357
Chromium	52	2	0.5433
Cobalt	59	0.5	0.0263
Copper	65	2	0.2443
Iron	56	50	10.77
Lead	208	1	0.154
Magnesium	26	100	10.8
Manganese	55	5	0.159
Nickel	60	1	0.1749
Potassium	39	100	31.6
Selenium	82	5	0.509
Silver	107	1	0.114
Sodium	23	100	26.8
Thallium	205	1	0.102
Vanadium	51	1	0.299
Zinc	66	5	0.9609

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Canton

Job No: 240-22804-1

SDG No.: _____

Instrument ID: H1

Date: 04/01/2011 10:45

Analyte	Integ. Time (Sec.)	Concentration (ppb)	Method
Mercury		10	7470A/DOD
Mercury		10	7471/DOD

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Pittsburgh

Job No: 240-22804-1

SDG No.: _____

Instrument ID: M

Date: 03/14/2011 22:35

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Silver		2500	6020/DOD
Aluminum		450000	6020/DOD
Arsenic		4500	6020/DOD
Barium		13500	6020/DOD
Beryllium		9000	6020/DOD
Calcium		1500000	6020/DOD
Cadmium		13500	6020/DOD
Chromium		13500	6020/DOD
Cobalt		13500	6020/DOD
Copper		20000	6020/DOD
Iron		450000	6020/DOD
Magnesium		1500000	6020/DOD
Manganese		25000	6020/DOD
Sodium		450000	6020/DOD
Nickel		13500	6020/DOD
Lead		20000	6020/DOD
Antimony		13500	6020/DOD
Thallium		13500	6020/DOD
Vanadium		13500	6020/DOD
Zinc		25000	6020/DOD
Potassium		450000	6020/DOD
Selenium		4500	6020/DOD

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.: _____

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 240-80775/1-A	04/05/2013 15:45	80775		100	100
LCS 240-80775/2-A	04/05/2013 15:45	80775		100	100
240-22804-11	04/05/2013 15:45	80775		100	100

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.: _____

Prep Method: 7471A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 240-82367/1-A	04/17/2013 14:55	82367	0.60		100
LCS 240-82367/2-A	04/17/2013 14:55	82367	0.60		100
240-22804-4	04/17/2013 14:55	82367	0.60		100

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22804-1

SDG No.: _____

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 180-69392/1-A	04/17/2013 10:27	69392	00001.00		100
LCS 180-69392/2-A	04/17/2013 10:27	69392	00001.05		100
240-22804-4	04/17/2013 10:27	69392	00001.00		100

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22804-1

SDG No.: _____

Prep Method: 3005A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 180-70060/1-A	04/25/2013 09:51	70060		50	50
LCS 180-70060/2-A	04/25/2013 09:51	70060		50	50
240-22804-11	04/25/2013 09:51	70060		50	50
240-22804-11 MS	04/25/2013 09:51	70060		50	50
240-22804-11 MSD	04/25/2013 09:51	70060		50	50

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.: _____

Instrument ID: H1 Method: 7470A/DOD

Start Date: 04/09/2013 10:31 End Date: 04/09/2013 15:43

Lab Sample ID	D / F	T y p e	Time	Analytes															
				H g															
IC 240-80949/1-A			10:31	X															
IC 240-80949/2-A			10:34	X															
IC 240-80949/3-A			10:35	X															
IC 240-80949/4-A			10:37	X															
IC 240-80949/5-A			10:38	X															
IC 240-80949/6-A			10:40	X															
ICV 240-80949/7-A	1		10:41	X															
ICB 240-80949/8-A	1		10:42	X															
CRA 240-80949/9-A	1		10:44	X															
CCVL 240-80949/10-A	1		10:45	X															
CCB 240-80949/11-A	1		10:47	X															
MB 240-80775/1-A	1	T	10:48	X															
LCS 240-80775/2-A	1	T	10:49	X															
ZZZZZZ			10:51																
ZZZZZZ			10:53																
ZZZZZZ			10:55																
ZZZZZZ			10:57																
ZZZZZZ			10:58																
ZZZZZZ			10:59																
ZZZZZZ			11:01																
ZZZZZZ			11:02																
CCV 240-80949/12-A	1		11:03	X															
CCB 240-80949/11-A	1		11:05	X															
ZZZZZZ			11:06																
ZZZZZZ			11:08																
ZZZZZZ			11:10																
ZZZZZZ			11:12																
ZZZZZZ			11:13																
ZZZZZZ			11:14																
ZZZZZZ			11:16																
ZZZZZZ			11:18																
ZZZZZZ			11:20																
ZZZZZZ			11:21																
CCV 240-80949/12-A			11:23																
CCB 240-80949/11-A			11:24																
ZZZZZZ			11:26																
ZZZZZZ			11:27																
ZZZZZZ			11:29																
ZZZZZZ			11:30																
ZZZZZZ			11:31																
ZZZZZZ			11:33																
ZZZZZZ			11:34																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.: _____

Instrument ID: H1 Method: 7470A/DOD

Start Date: 04/09/2013 10:31 End Date: 04/09/2013 15:43

Lab Sample ID	D / F	T y p e	Time	Analytes															
				H g															
ZZZZZZ			11:36																
ZZZZZZ			11:37																
ZZZZZZ			11:39																
CCV 240-80949/12-A			11:40																
CCB 240-80949/11-A			11:41																
ZZZZZZ			11:43																
ZZZZZZ			11:44																
ZZZZZZ			11:46																
ZZZZZZ			11:48																
ZZZZZZ			11:49																
ZZZZZZ			11:50																
ZZZZZZ			11:52																
ZZZZZZ			11:53																
ZZZZZZ			11:55																
ZZZZZZ			11:57																
CCV 240-80949/12-A			11:58																
CCB 240-80949/11-A			12:00																
ZZZZZZ			12:01																
ZZZZZZ			12:04																
ZZZZZZ			12:06																
ZZZZZZ			12:08																
ZZZZZZ			12:10																
ZZZZZZ			12:12																
ZZZZZZ			12:13																
ZZZZZZ			12:14																
ZZZZZZ			12:16																
CCV 240-80949/12-A			12:17																
CCB 240-80949/11-A			12:19																
CCV 240-80949/12-A	1		12:53	X															
CCB 240-80949/11-A	1		12:55	X															
ZZZZZZ			12:57																
ZZZZZZ			12:58																
ZZZZZZ			13:00																
ZZZZZZ			13:01																
ZZZZZZ			13:03																
ZZZZZZ			13:04																
ZZZZZZ			13:06																
ZZZZZZ			13:07																
ZZZZZZ			13:09																
ZZZZZZ			13:10																
CCV 240-80949/12-A	1		13:12	X															
CCB 240-80949/11-A	1		13:14	X															

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.: _____

Instrument ID: H1 Method: 7470A/DOD

Start Date: 04/09/2013 10:31 End Date: 04/09/2013 15:43

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				H g																	
240-22804-11	1	T	13:15	X																	
ZZZZZZ			13:16																		
CRA 240-80949/9-A	1		13:21	X																	
CCV 240-80949/12-A	1		13:22	X																	
CCB 240-80949/11-A	1		13:24	X																	
ZZZZZZ			14:57																		
ZZZZZZ			14:59																		
ZZZZZZ			15:01																		
ZZZZZZ			15:02																		
ZZZZZZ			15:04																		
ZZZZZZ			15:05																		
CCV 240-80949/12-A			15:07																		
CCB 240-80949/11-A			15:08																		
ZZZZZZ			15:10																		
ZZZZZZ			15:12																		
ZZZZZZ			15:13																		
ZZZZZZ			15:15																		
ZZZZZZ			15:16																		
ZZZZZZ			15:17																		
ZZZZZZ			15:19																		
ZZZZZZ			15:20																		
ZZZZZZ			15:22																		
ZZZZZZ			15:24																		
CCV 240-80949/12-A			15:25																		
CCB 240-80949/11-A			15:27																		
ZZZZZZ			15:28																		
ZZZZZZ			15:30																		
ZZZZZZ			15:31																		
ZZZZZZ			15:33																		
ZZZZZZ			15:35																		
ZZZZZZ			15:36																		
ZZZZZZ			15:38																		
ZZZZZZ			15:39																		
CCV 240-80949/12-A			15:41																		
CCB 240-80949/11-A			15:43																		

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.: _____

Instrument ID: H1 Method: 7471/DOD

Start Date: 04/19/2013 09:14 End Date: 04/19/2013 14:24

Lab Sample ID	D / F	T y p e	Time	Analytes															
				H g															
IC 240-82640/1-A			09:14	X															
IC 240-82640/2-A			09:15	X															
IC 240-82640/1-A			09:18	X															
IC 240-82640/1-A			09:20	X															
IC 240-82640/2-A			09:21	X															
IC 240-82640/3-A			09:23	X															
IC 240-82640/4-A			09:24	X															
IC 240-82640/5-A			09:26	X															
IC 240-82640/6-A			09:27	X															
ICV 240-82640/7-A	1		09:29	X															
ICB 240-82640/8-A	1		09:31	X															
CRA 240-82640/9-A	1		09:32	X															
CCV 240-82640/10-A			09:34																
CCB 240-82640/11-A			09:36																
ZZZZZZ			09:37																
ZZZZZZ			09:39																
ZZZZZZ			09:41																
ZZZZZZ			09:43																
ZZZZZZ			09:45																
ZZZZZZ			09:46																
ZZZZZZ			09:48																
ZZZZZZ			09:49																
ZZZZZZ			09:51																
ZZZZZZ			09:52																
CCV 240-82640/10-A	1		09:53	X															
CCB 240-82640/11-A	1		09:55	X															
ZZZZZZ			09:56																
ZZZZZZ			09:58																
ZZZZZZ			10:00																
ZZZZZZ			10:01																
ZZZZZZ			10:03																
MB 240-82367/1-A	1	T	10:04	X															
LCS 240-82367/2-A	1	T	10:06	X															
ZZZZZZ			10:07																
ZZZZZZ			10:08																
ZZZZZZ			10:10																
CCV 240-82640/10-A	1		10:11	X															
CCB 240-82640/11-A	1		10:13	X															
ZZZZZZ			10:15																
ZZZZZZ			10:17																
ZZZZZZ			10:18																
ZZZZZZ			10:20																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.: _____

Instrument ID: H1 Method: 7471/DOD

Start Date: 04/19/2013 09:14 End Date: 04/19/2013 14:24

Lab Sample ID	D / F	T y p e	Time	Analytes															
				H g															
ZZZZZZ			10:21																
ZZZZZZ			10:23																
ZZZZZZ			10:25																
240-22804-4	1	T	10:27	X															
CRA 240-82640/9-A	1		10:28	X															
ZZZZZZ			10:33																
CCV 240-82640/10-A	1		10:35	X															
CCB 240-82640/11-A	1		10:37	X															
ZZZZZZ			10:39																
ZZZZZZ			10:40																
ZZZZZZ			10:42																
ZZZZZZ			10:43																
ZZZZZZ			10:45																
ZZZZZZ			10:47																
ZZZZZZ			10:48																
ZZZZZZ			10:50																
ZZZZZZ			10:51																
ZZZZZZ			10:52																
CCV 240-82640/10-A			10:54																
CCB 240-82640/11-A			10:55																
ZZZZZZ			10:57																
ZZZZZZ			10:58																
ZZZZZZ			10:59																
ZZZZZZ			11:01																
ZZZZZZ			11:02																
ZZZZZZ			11:04																
ZZZZZZ			11:06																
ZZZZZZ			11:07																
ZZZZZZ			11:09																
ZZZZZZ			11:10																
CCV 240-82640/10-A			11:12																
CCB 240-82640/11-A			11:13																
ZZZZZZ			11:14																
ZZZZZZ			11:16																
ZZZZZZ			11:18																
ZZZZZZ			11:19																
ZZZZZZ			11:21																
ZZZZZZ			11:22																
ZZZZZZ			11:24																
ZZZZZZ			11:25																
ZZZZZZ			11:27																
ZZZZZZ			11:29																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.: _____

Instrument ID: H1 Method: 7471/DOD

Start Date: 04/19/2013 09:14 End Date: 04/19/2013 14:24

Lab Sample ID	D / F	T y p e	Time	Analytes															
				H g															
CCV 240-82640/10-A			11:30																
CCB 240-82640/11-A			11:31																
ZZZZZZ			11:33																
ZZZZZZ			11:34																
ZZZZZZ			11:35																
ZZZZZZ			11:37																
ZZZZZZ			11:38																
ZZZZZZ			11:40																
ZZZZZZ			11:42																
ZZZZZZ			11:44																
ZZZZZZ			11:45																
ZZZZZZ			11:47																
CCV 240-82640/10-A			11:48																
CCB 240-82640/11-A			11:50																
ZZZZZZ			11:51																
ZZZZZZ			11:53																
ZZZZZZ			11:54																
ZZZZZZ			11:56																
CCV 240-82640/10-A			11:57																
CCB 240-82640/11-A			11:59																
CCV 240-82640/10-A			14:11																
CCB 240-82640/11-A			14:12																
ZZZZZZ			14:13																
ZZZZZZ			14:15																
ZZZZZZ			14:16																
ZZZZZZ			14:18																
ZZZZZZ			14:19																
ZZZZZZ			14:21																
CCV 240-82640/10-A			14:22																
CCB 240-82640/11-A			14:24																

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22804-1

SDG No.: _____

Instrument ID: M Method: 6020/DOD

Start Date: 05/07/2013 10:59 End Date: 05/08/2013 00:12

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
ITUNE 180-71214/1			10:59																				
STD1 180-71214/2 IC	1		11:30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
STD2 180-71214/3 IC	1		11:39	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
STD3 180-71214/4 IC	1		11:44	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICV 180-71214/5	1		11:49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICB 180-71214/6	1		11:57	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CRI 180-71214/7	1		12:06	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICSA 180-71214/8	1		12:15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICSAB 180-71214/9	1		12:23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCV 180-71214/10	1		12:31		X		X					X	X	X			X		X	X			
CCV 180-71214/11	1		12:40						X						X	X		X					
CCV 180-71214/12	1		12:48	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB1 180-71214/13	1		12:56	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
MB 180-69392/1-A	1	T	13:04	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
LCS 180-69392/2-A	1	T	13:13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			13:21																				
240-22804-4	1	T	13:29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			13:37																				
ZZZZZZ			13:45																				
ZZZZZZ			13:53																				
ZZZZZZ			14:02																				
ZZZZZZ			14:10																				
ZZZZZZ			14:18																				
CCV 180-71214/24	1		14:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB2 180-71214/25	1		14:34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
MB 180-70060/1-A	1	R	14:43	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
LCS 180-70060/2-A	1	R	14:51	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
240-22804-11	1	R	14:59	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
240-22804-11 SD	5	R	15:07	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
240-22804-11 MS	1	R	15:15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
240-22804-11 MSD	1	R	15:24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
240-22804-11 PDS	1	R	15:32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			15:40																				
ZZZZZZ			15:48																				
ZZZZZZ			15:56																				
CCV 180-71214/36	1		16:05	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB3 180-71214/37	1		16:13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			16:21																				
ZZZZZZ			16:29																				
ZZZZZZ			16:37																				
ZZZZZZ			16:46																				
ZZZZZZ			16:54																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22804-1

SDG No.: _____

Instrument ID: M Method: 6020/DOD

Start Date: 05/07/2013 10:59 End Date: 05/08/2013 00:12

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			17:02																			
ZZZZZZ			17:10																			
ZZZZZZ			17:18																			
ZZZZZZ			17:27																			
ZZZZZZ			17:35																			
CCV 180-71214/48			17:43																			
CCB4 180-71214/49			17:51																			
ZZZZZZ			17:59																			
ZZZZZZ			18:08																			
ZZZZZZ			18:16																			
ZZZZZZ			18:24																			
ZZZZZZ			18:32																			
ZZZZZZ			18:41																			
ZZZZZZ			18:49																			
ZZZZZZ			18:57																			
ZZZZZZ			19:05																			
ZZZZZZ			19:13																			
CCV 180-71214/60			19:22																			
CCB5 180-71214/61			19:30																			
ZZZZZZ			19:38																			
ZZZZZZ			19:46																			
ZZZZZZ			19:55																			
ZZZZZZ			20:03																			
ZZZZZZ			20:11																			
ZZZZZZ			20:19																			
ZZZZZZ			20:28																			
ZZZZZZ			20:36																			
ZZZZZZ			20:44																			
ZZZZZZ			20:52																			
CCV 180-71214/72			21:00																			
CCB6 180-71214/73			21:09																			
CRI 180-71214/74	1		21:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CRI 180-71214/75			21:25																			
CCV 180-71214/76			21:33																			
CCB7 180-71214/77			21:42																			
ZZZZZZ			21:47																			
ZZZZZZ			21:51																			
ZZZZZZ			21:56																			
ZZZZZZ			22:01																			
ZZZZZZ			22:06																			
ZZZZZZ			22:11																			
ZZZZZZ			22:16																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22804-1

SDG No.: _____

Instrument ID: M Method: 6020/DOD

Start Date: 05/07/2013 10:59 End Date: 05/08/2013 00:12

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			22:21																			
ZZZZZZ			22:25																			
ZZZZZZ			22:30																			
CCV 180-71214/88			22:35																			
CCB8 180-71214/89			22:43																			
ZZZZZZ			22:48																			
ZZZZZZ			22:53																			
ZZZZZZ			22:58																			
ZZZZZZ			23:03																			
ZZZZZZ			23:07																			
ZZZZZZ			23:12																			
ZZZZZZ			23:17																			
ZZZZZZ			23:22																			
ZZZZZZ			23:27																			
ZZZZZZ			23:32																			
ZZZZZZ			23:37																			
CCV 180-71214/101			23:42																			
CCB9 180-71214/102			23:50																			
ZZZZZZ			23:55																			
ZZZZZZ			23:59																			
CCV 180-71214/105			00:04																			
CCB10 180-71214/106			00:12																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22804-1

SDG No.: _____

Instrument ID: M Method: 6020/DOD

Start Date: 05/07/2013 10:59 End Date: 05/08/2013 00:12

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ITUNE 180-71214/1			10:59																		
STD1 180-71214/2 IC	1		11:30	X	X																
STD2 180-71214/3 IC	1		11:39	X	X																
STD3 180-71214/4 IC	1		11:44	X	X																
ICV 180-71214/5	1		11:49	X	X																
ICB 180-71214/6	1		11:57	X	X																
CRI 180-71214/7	1		12:06	X	X																
ICSA 180-71214/8	1		12:15	X	X																
ICSAB 180-71214/9	1		12:23	X	X																
CCV 180-71214/10	1		12:31		X																
CCV 180-71214/11	1		12:40																		
CCV 180-71214/12	1		12:48	X	X																
CCB1 180-71214/13	1		12:56	X	X																
MB 180-69392/1-A	1	T	13:04	X	X																
LCS 180-69392/2-A	1	T	13:13	X	X																
ZZZZZZ			13:21																		
240-22804-4	1	T	13:29	X	X																
ZZZZZZ			13:37																		
ZZZZZZ			13:45																		
ZZZZZZ			13:53																		
ZZZZZZ			14:02																		
ZZZZZZ			14:10																		
ZZZZZZ			14:18																		
CCV 180-71214/24	1		14:26	X	X																
CCB2 180-71214/25	1		14:34	X	X																
MB 180-70060/1-A	1	R	14:43	X	X																
LCS 180-70060/2-A	1	R	14:51	X	X																
240-22804-11	1	R	14:59	X	X																
240-22804-11 SD	5	R	15:07	X	X																
240-22804-11 MS	1	R	15:15	X	X																
240-22804-11 MSD	1	R	15:24	X	X																
240-22804-11 PDS	1	R	15:32	X	X																
ZZZZZZ			15:40																		
ZZZZZZ			15:48																		
ZZZZZZ			15:56																		
CCV 180-71214/36	1		16:05	X	X																
CCB3 180-71214/37	1		16:13	X	X																
ZZZZZZ			16:21																		
ZZZZZZ			16:29																		
ZZZZZZ			16:37																		
ZZZZZZ			16:46																		
ZZZZZZ			16:54																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22804-1

SDG No.: _____

Instrument ID: M Method: 6020/DOD

Start Date: 05/07/2013 10:59 End Date: 05/08/2013 00:12

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ZZZZZZ			17:02																		
ZZZZZZ			17:10																		
ZZZZZZ			17:18																		
ZZZZZZ			17:27																		
ZZZZZZ			17:35																		
CCV 180-71214/48			17:43																		
CCB4 180-71214/49			17:51																		
ZZZZZZ			17:59																		
ZZZZZZ			18:08																		
ZZZZZZ			18:16																		
ZZZZZZ			18:24																		
ZZZZZZ			18:32																		
ZZZZZZ			18:41																		
ZZZZZZ			18:49																		
ZZZZZZ			18:57																		
ZZZZZZ			19:05																		
ZZZZZZ			19:13																		
CCV 180-71214/60			19:22																		
CCB5 180-71214/61			19:30																		
ZZZZZZ			19:38																		
ZZZZZZ			19:46																		
ZZZZZZ			19:55																		
ZZZZZZ			20:03																		
ZZZZZZ			20:11																		
ZZZZZZ			20:19																		
ZZZZZZ			20:28																		
ZZZZZZ			20:36																		
ZZZZZZ			20:44																		
ZZZZZZ			20:52																		
CCV 180-71214/72			21:00																		
CCB6 180-71214/73			21:09																		
CRI 180-71214/74	1		21:17	X	X																
CRI 180-71214/75			21:25																		
CCV 180-71214/76			21:33																		
CCB7 180-71214/77			21:42																		
ZZZZZZ			21:47																		
ZZZZZZ			21:51																		
ZZZZZZ			21:56																		
ZZZZZZ			22:01																		
ZZZZZZ			22:06																		
ZZZZZZ			22:11																		
ZZZZZZ			22:16																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22804-1

SDG No.: _____

Instrument ID: M Method: 6020/DOD

Start Date: 05/07/2013 10:59 End Date: 05/08/2013 00:12

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ZZZZZZ			22:21																		
ZZZZZZ			22:25																		
ZZZZZZ			22:30																		
CCV 180-71214/88			22:35																		
CCB8 180-71214/89			22:43																		
ZZZZZZ			22:48																		
ZZZZZZ			22:53																		
ZZZZZZ			22:58																		
ZZZZZZ			23:03																		
ZZZZZZ			23:07																		
ZZZZZZ			23:12																		
ZZZZZZ			23:17																		
ZZZZZZ			23:22																		
ZZZZZZ			23:27																		
ZZZZZZ			23:32																		
ZZZZZZ			23:37																		
CCV 180-71214/101			23:42																		
CCB9 180-71214/102			23:50																		
ZZZZZZ			23:55																		
ZZZZZZ			23:59																		
CCV 180-71214/105			00:04																		
CCB10 180-71214/106			00:12																		

Prep Types

R = Total Recoverable

T = Total/NA

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

Lab Name: TestAmerica Pittsburgh Job No.: 240-22804-1

SDG No.: _____

ICP-MS Instrument ID: M Start Date: 05/07/2013 End Date: 05/07/2013

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc	Q	Element Y-89	Q	Element Rh-103	Q	Element In	Q
STD1 180-71214/2 IC	11:30	100		100		100		100		100	
STD2 180-71214/3 IC	11:39	91		89		87		80		86	
STD3 180-71214/4 IC	11:44	93		91		90		90		91	
ICV 180-71214/5	11:49	94		87		94		82		86	
ICB 180-71214/6	11:57	108		113		114		114		114	
CRI 180-71214/7	12:06	119		117		115		108		108	
ICSA 180-71214/8	12:15	81		70		67		70		74	
ICSAB 180-71214/9	12:23	84		72		67		70		75	
CCV 180-71214/10	12:31	78		73		68		76		84	
CCV 180-71214/11	12:40	90		101		111		91		102	
CCV 180-71214/12	12:48	93		94		95		92		91	
CCB1 180-71214/13	12:56	114		119		121		122		119	
MB 180-69392/1-A	13:04	113		118		116		116		113	
LCS 180-69392/2-A	13:13	95		93		79		80		80	
240-22804-4	13:29	85		88		0		77		83	
CCV 180-71214/24	14:26	89		82		83		78		82	
CCB2 180-71214/25	14:34	119		119		105		105		103	
MB 180-70060/1-A	14:43	96		90		90		90		89	
LCS 180-70060/2-A	14:51	71		60		66		62		65	
240-22804-11	14:59	74		63		69		68		71	
240-22804-11 SD	15:07	90		82		84		84		84	
240-22804-11 MS	15:15	76		62		67		63		67	
240-22804-11 MSD	15:24	79		63		66		63		66	
240-22804-11 PDS	15:32	77		62		66		63		66	
CCV 180-71214/36	16:05	88		77		77		74		76	
CCB3 180-71214/37	16:13	112		104		101		101		98	
CRI 180-71214/74	21:17	96		90		93		89		87	

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

Lab Name: TestAmerica Pittsburgh Job No.: 240-22804-1

SDG No.: _____

ICP-MS Instrument ID: M Start Date: 05/07/2013 End Date: 05/07/2013

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Tb	Q	Element Ho	Q	Element Bi	Q	Element	Q	Element	Q
STD1 180-71214/2 IC	11:30	100		100		100					
STD2 180-71214/3 IC	11:39	90		90		76					
STD3 180-71214/4 IC	11:44	91		92		93					
ICV 180-71214/5	11:49	88		88		80					
ICB 180-71214/6	11:57	110		111		112					
CRI 180-71214/7	12:06	107		107		108					
ICSA 180-71214/8	12:15	76		76		67					
ICSAB 180-71214/9	12:23	76		76		66					
CCV 180-71214/10	12:31	70		70		72					
CCV 180-71214/11	12:40	109		109		77					
CCV 180-71214/12	12:48	93		93		83					
CCB1 180-71214/13	12:56	114		114		114					
MB 180-69392/1-A	13:04	110		109		108					
LCS 180-69392/2-A	13:13	85		91		67					
240-22804-4	13:29	86		85		68					
CCV 180-71214/24	14:26	84		84		71					
CCB2 180-71214/25	14:34	99		99		98					
MB 180-70060/1-A	14:43	87		87		97					
LCS 180-70060/2-A	14:51	72		72		62					
240-22804-11	14:59	76		77		73					
240-22804-11 SD	15:07	85		86		85					
240-22804-11 MS	15:15	74		74		63					
240-22804-11 MSD	15:24	72		73		61					
240-22804-11 PDS	15:32	73		74		62					
CCV 180-71214/36	16:05	79		80		67					
CCB3 180-71214/37	16:13	95		95		95					
CRI 180-71214/74	21:17	87		88		88					

TestAmerica North Canton Hg Data Review Checklist

Run/Project Information: _____

Circle Methods used: 7470A / 245.1 : 7471:

Run Date: 4/9/2013 Analyst: A. Sutherland Instrument: H1 - 81255

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: A. Sutherland Date/Time: 4/10/2013 Reviewed from 10:31 to 15:43
 Analyst: _____ Date/Time: _____ Reviewed from _____ to _____

Comments: _____

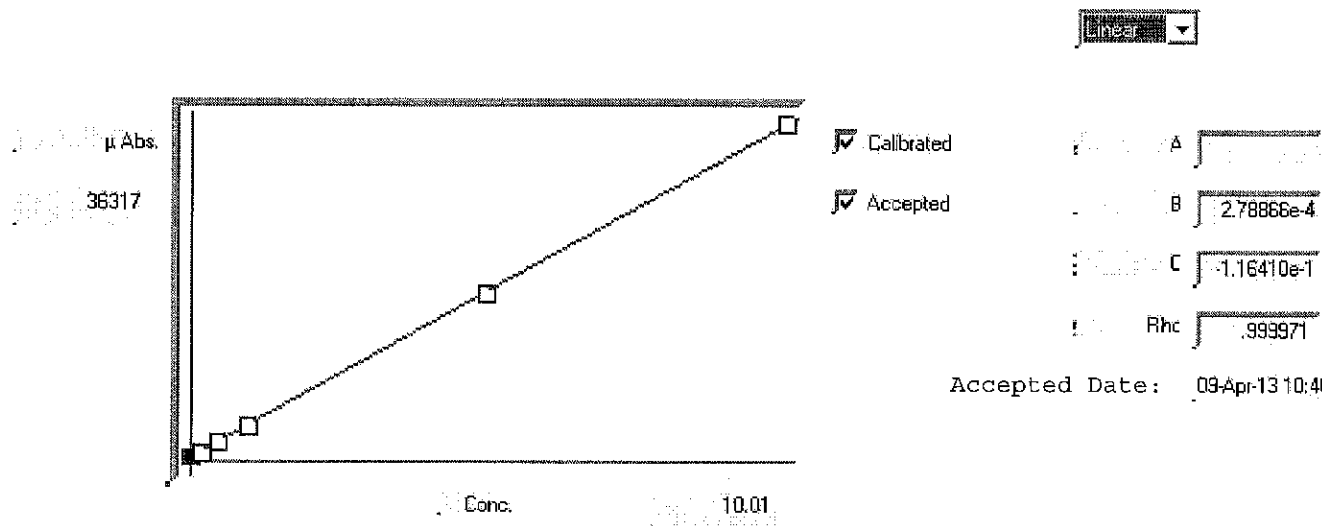
Level II

Reviewer: Karen Hout Date/Time: 4-10-13 Reviewed from 10:31 to 15:43
 Reviewer: _____ Date/Time: _____ Reviewed from _____ to _____

Comments: _____

Curve Date 4/8/2013 Curve Time 9:20 - 11:20 DILUTION H2O 00004
 Revised 11/29/2012

Protocol: 0409CHG1



Accepted Date: 09-Apr-13 10:40

S	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
01	.00000	.0559	.0559	618	1	618				
02	.20000	.1728	-.0272	1037	0%	1037				
03	.50000	.4898	-.0102	2175	0%	2174				
04	1.0000	.9893	-.0107	3965	0%	3965				
05	5.0000	4.981	-.0190	18279	0%	18279				
06	10.000	10.01	.0112	36318	0%	36317				
07										
08										
09										
10										

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Standard: 1 Rep: 1				Seq: 1		10:31:37 09 Apr 13		HG
Hg	.0000	ppb	618					
*** Standard: 2 Rep: 1				Seq: 2		10:34:18 09 Apr 13		HG
Hg	.2000	ppb	1037					
*** Standard: 3 Rep: 1				Seq: 3		10:35:47 09 Apr 13		HG
Hg	.5000	ppb	2174					
*** Standard: 4 Rep: 1				Seq: 4		10:37:05 09 Apr 13		HG
Hg	1.000	ppb	3965					
*** Standard: 5 Rep: 1				Seq: 5		10:38:23 09 Apr 13		HG
Hg	5.000	ppb	18279					
*** Standard: 6 Rep: 1				Seq: 6		10:40:11 09 Apr 13		HG
Hg	10.00	ppb	36317					
*** Check Standard: 2 Ck2ICV				Seq: 7		10:41:41 09 Apr 13		HG
Line Flag %Rcv. Found True Units					SD/RSD			
Hg	96.40	2.410	2.500	ppb	.0000			
*** Check Standard: 3 Ck3ICB				Seq: 8		10:42:57 09 Apr 13		HG
Line Flag %Rcv. Found True Units					SD/RSD			
Hg	^^^^^^	.0894	.0000	ppb	.0000			
*** Check Standard: 4 Ck4CRA\MRL				Seq: 9		10:44:17 09 Apr 13		HG
Line Flag %Rcv. Found True Units					SD/RSD			
Hg	93.08	.1862	.2000	ppb	.0000			
*** Check Standard: 6 Ck6CCV				Seq: 10		10:45:54 09 Apr 13		HG
Line Flag %Rcv. Found True Units					SD/RSD			
Hg	100.3	5.017	5.000	ppb	.0000			
*** Check Standard: 1 Ck1CCB				Seq: 11		10:47:11 09 Apr 13		HG
Line Flag Found Range(+/-) Units					SD/RSD			
Hg	.0702	.2000		ppb	.0000			
*** Sample ID:				Seq: 12		10:48:27 09 Apr 13		HG
			MB 240-80775/1-A					
Hg	-.0386	ppb	.0000	-.0386				
*** Sample ID:				Seq: 13		10:49:44 09 Apr 13		HG
			LCS 240-80775/2-A					
Hg	4.204	ppb	.0000	4.204				
*** Sample ID:				Seq: 14		10:51:51 09 Apr 13		HG
			240-22648-B-15-A					
Hg	-.0314	ppb	.0000	-.0314				
*** Sample ID:				Seq: 15		10:53:17 09 Apr 13		HG
			240-22648-B-15-B DU					
Hg	-.0319	ppb	.0000	-.0319				
*** Sample ID:				Seq: 16		10:55:28 09 Apr 13		HG
			240-22648-B-15-C MS					
Hg	.9876	ppb	.0000	.9876				

Protocol: 0409CHG1

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: Seq: 17 10:57:14 09 Apr 13 HG								
190-355-A-1-A								
Hg	-.0417	ppb	.0000	-.0417				
*** Sample ID: Seq: 18 10:58:33 09 Apr 13 HG								
240-22562-E-14-A								
Hg	-.0341	ppb	.0000	-.0341				
*** Sample ID: Seq: 19 10:59:50 09 Apr 13 HG								
240-22562-E-15-A								
Hg	-.0378	ppb	.0000	-.0378				
*** Sample ID: Seq: 20 11:01:09 09 Apr 13 HG								
240-22562-E-16-A								
Hg	-.0392	ppb	.0000	-.0392				
*** Sample ID: Seq: 21 11:02:25 09 Apr 13 HG								
240-22574-E-13-B								
Hg	-.0551	ppb	.0000	-.0551				
*** Check Standard: 6 Ck6CCV Seq: 22 11:03:52 09 Apr 13 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		101.9	5.093	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB Seq: 23 11:05:23 09 Apr 13 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		.0877	.2000	ppb	.0000			
*** Sample ID: Seq: 24 11:06:50 09 Apr 13 HG								
240-22648-B-16-A								
Hg	-.0314	ppb	.0000	-.0314				
*** Sample ID: Seq: 25 11:08:17 09 Apr 13 HG								
240-22648-B-17-A								
Hg	.0121	ppb	.0000	.0121				
*** Sample ID: Seq: 26 11:10:26 09 Apr 13 HG								
240-22648-E-18-A								
Hg	-.0049	ppb	.0000	-.0049				
*** Sample ID: Seq: 27 11:12:07 09 Apr 13 HG								
240-22648-B-21-A								
Hg	.2336	ppb	.0000	.2336				
*** Sample ID: Seq: 28 11:13:34 09 Apr 13 HG								
240-22662-D-1-A								
Hg	-.0249	ppb	.0000	-.0249				
*** Sample ID: Seq: 29 11:14:49 09 Apr 13 HG								
240-22662-D-1-B DU								
Hg	-.0383	ppb	.0000	-.0383				
*** Sample ID: Seq: 30 11:16:07 09 Apr 13 HG								
240-22662-D-1-C MS								
Hg	.9996	ppb	.0000	.9996				
*** Sample ID: Seq: 31 11:18:05 09 Apr 13 HG								
240-22662-B-2-A								
Hg	-.0325	ppb	.0000	-.0325				
*** Sample ID: Seq: 32 11:20:23 09 Apr 13 HG								
240-22662-B-3-A								
Hg	-.0353	ppb	.0000	-.0353				

Reson
CB 7 1/2 RL

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID:				Seq: 33		11:21:39 09 Apr 13	HG	
				240-22662-B-4-A				
Hg	-.0322	ppb	.0000	-.0322				
*** Check Standard: 6	Ck6CCV			Seq: 34		11:23:06 09 Apr 13	HG	
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		102.9	5.147	5.000	ppb	.0000		
*** Check Standard: 1	Ck1CCB			Seq: 35		11:24:51 09 Apr 13	HG	
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		.1067	.2000	ppb	.0000			
*** Sample ID:				Seq: 36		11:26:13 09 Apr 13	HG	
				240-22662-B-5-A				
Hg	-.0222	ppb	.0000	-.0222				
*** Sample ID:				Seq: 37		11:27:41 09 Apr 13	HG	
				240-22804-E-11-A				
Hg	-.0213	ppb	.0000	-.0213				
*** Sample ID:				Seq: 38		11:29:19 09 Apr 13	HG	
				240-22706-A-2-B				
Hg	-.0302	ppb	.0000	-.0302				
*** Sample ID:				Seq: 39		11:30:35 09 Apr 13	HG	
				240-22706-A-4-B				
Hg	-.0553	ppb	.0000	-.0553				
*** Sample ID:				Seq: 40		11:31:55 09 Apr 13	HG	
				240-22706-A-8-B				
Hg	-.0528	ppb	.0000	-.0528				
*** Sample ID:				Seq: 41		11:33:10 09 Apr 13	HG	
				240-22800-J-1-C				
Hg	-.0291	ppb	.0000	-.0291				
*** Sample ID:				Seq: 42		11:34:52 09 Apr 13	HG	
				MB 240-80977/1-A				
Hg	-.0470	ppb	.0000	-.0470				
*** Sample ID:				Seq: 43		11:36:20 09 Apr 13	HG	
				LCS 240-80977/2-A				
Hg	4.829	ppb	.0000	4.829				
*** Sample ID:				Seq: 44		11:37:40 09 Apr 13	HG	
				190-356-A-2-B				
Hg	-.0475	ppb	.0000	-.0475				
*** Sample ID:				Seq: 45		11:39:06 09 Apr 13	HG	
				190-359-D-1-B				
Hg	.0186	ppb	.0000	.0186				
*** Check Standard: 6	Ck6CCV			Seq: 46		11:40:23 09 Apr 13	HG	
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		103.2	5.161	5.000	ppb	.0000		
*** Check Standard: 1	Ck1CCB			Seq: 47		11:41:41 09 Apr 13	HG	
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0208	.2000	ppb	.0000			
*** Sample ID:				Seq: 48		11:43:18 09 Apr 13	HG	
				190-360-D-1-B				
Hg	.0227	ppb	.0000	.0227				

Re-run
CCB 7 1/2 AL

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID:				Seq: 49	11:44:58 09 Apr 13	HG		
				190-361-D-1-B				
Hg	.0116	ppb	.0000	.0116				
*** Sample ID:				Seq: 50	11:46:37 09 Apr 13	HG		
				190-362-D-1-B				
Hg	-.0394	ppb	.0000	-.0394				
*** Sample ID:				Seq: 51	11:48:03 09 Apr 13	HG		
				190-363-D-1-B				
Hg	-.0012	ppb	.0000	-.0012				
*** Sample ID:				Seq: 52	11:49:23 09 Apr 13	HG		
				190-364-D-1-B				
Hg	-.0082	ppb	.0000	-.0082				
*** Sample ID:				Seq: 53	11:50:40 09 Apr 13	HG		
				190-365-D-1-B				
Hg	.0094	ppb	.0000	.0094				
*** Sample ID:				Seq: 54	11:52:18 09 Apr 13	HG		
				190-366-F-1-B				
Hg	-.0085	ppb	.0000	-.0085				
*** Sample ID:				Seq: 55	11:53:46 09 Apr 13	HG		
				190-377-A-1-B				
Hg	-.0261	ppb	.0000	-.0261				
*** Sample ID:				Seq: 56	11:55:43 09 Apr 13	HG		
				190-378-A-1-B				
Hg	-.0127	ppb	.0000	-.0127				
*** Sample ID:				Seq: 57	11:57:01 09 Apr 13	HG		
				240-22819-D-1-B				
Hg	-.0436	ppb	.0000	-.0436				
*** Check Standard: 6	Ck6CCV			Seq: 58	11:58:31 09 Apr 13	HG		
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		103.5	5.176	5.000	ppb	.0000		
*** Check Standard: 1	Ck1CCB			Seq: 59	12:00:27 09 Apr 13	HG		
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		.0077	.2000	ppb	.0000			
*** Sample ID:				Seq: 60	12:01:45 09 Apr 13	HG		
				190-379-A-1-A				
Hg	-.0110	ppb	.0000	-.0110				
*** Sample ID:				Seq: 61	12:04:58 09 Apr 13	HG		
				190-382-A-1-A				
Hg	-.0235	ppb	.0000	-.0235				
*** Sample ID:				Seq: 62	12:06:56 09 Apr 13	HG		
				190-383-A-1-A				
Hg	-.0420	ppb	.0000	-.0420				
*** Sample ID:				Seq: 63	12:08:36 09 Apr 13	HG		
				190-393-A-1-A				
Hg	.3426	ppb	.0000	.3426				
*** Sample ID:				Seq: 64	12:10:03 09 Apr 13	HG		
				190-395-C-1-A				
Hg	-.0330	ppb	.0000	-.0330				

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID:				Seq: 65		12:12:14 09 Apr 13		HG
				190-396-A-1-A				
Hg	.0233	ppb	.0000	.0233				
*** Sample ID:				Seq: 66		12:13:32 09 Apr 13		HG
				190-398-A-1-A				
Hg	-.0199	ppb	.0000	-.0199				
*** Sample ID:				Seq: 67		12:14:51 09 Apr 13		HG
				240-22580-A-6-B				
Hg	.1552	ppb	.0000	.1552				
*** Sample ID:				Seq: 68		12:16:10 09 Apr 13		HG
				240-22648-B-16-A				
Hg	-.0124	ppb	.0000	-.0124				
*** Check Standard: 6	Ck6CCV			Seq: 69		12:17:26 09 Apr 13		HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		103.1	5.155	5.000	ppb	.0000		
*** Check Standard: 1	Ck1CCB			Seq: 70		12:19:03 09 Apr 13		HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		.0116	.2000	ppb	.0000			
*** Check Standard: 6	Ck6CCV			Seq: 71		12:53:37 09 Apr 13		HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		98.77	4.938	5.000	ppb	.0000		
*** Check Standard: 1	Ck1CCB			Seq: 72		12:55:34 09 Apr 13		HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		.0225	.2000	ppb	.0000			
*** Sample ID:				Seq: 73		12:57:03 09 Apr 13		HG
				240-22648-B-17-A				
Hg	.0300	ppb	.0000	.0300				
*** Sample ID:				Seq: 74		12:58:29 09 Apr 13		HG
				240-22648-E-18-A				
Hg	.0116	ppb	.0000	.0116				
*** Sample ID:				Seq: 75		13:00:15 09 Apr 13		HG
				240-22648-B-21-A				
Hg	.2433	ppb	.0000	.2433				
*** Sample ID:				Seq: 76		13:01:53 09 Apr 13		HG
				240-22662-D-1-A				
Hg	-.0224	ppb	.0000	-.0224				
*** Sample ID:				Seq: 77		13:03:12 09 Apr 13		HG
				240-22662-D-1-B DU				
Hg	-.0188	ppb	.0000	-.0188				
*** Sample ID:				Seq: 78		13:04:51 09 Apr 13		HG
				240-22662-D-1-C MS				
Hg	1.009	ppb	.0000	1.009				
*** Sample ID:				Seq: 79		13:06:12 09 Apr 13		HG
				240-22662-B-2-A				
Hg	-.0191	ppb	.0000	-.0191				
*** Sample ID:				Seq: 80		13:07:49 09 Apr 13		HG
				240-22662-B-3-A				
Hg	-.0102	ppb	.0000	-.0102				

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID:				Seq: 81		13:09:21 09 Apr 13		HG
				240-22662-B-4-A				
Hg	-.0322	ppb	.0000	-.0322				
*** Sample ID:				Seq: 82		13:10:49 09 Apr 13		HG
				240-22662-B-5-A				
Hg	-.0046	ppb	.0000	-.0046				
*** Check Standard: 6	Ck6CCV			Seq: 83		13:12:08 09 Apr 13		HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		102.5	5.124	5.000	ppb	.0000		
*** Check Standard: 1	Ck1CCB			Seq: 84		13:14:04 09 Apr 13		HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		.0024	.2000	ppb	.0000			
*** Sample ID:				Seq: 85		13:15:23 09 Apr 13		HG
				240-22804-E-11-A				
Hg	-.0219	ppb	.0000	-.0219				
Reject/mis- label *** Sample ID:				Seq: 86		13:16:49 09 Apr 13		HG
				240-22662-D-1-C MS				
Hg	.1920	ppb	.0000	.1920				
*** Check Standard: 4	Ck4CRA\MRL			Seq: 87		13:21:23 09 Apr 13		HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		97.82	.1956	.2000	ppb	.0000		
*** Check Standard: 6	Ck6CCV			Seq: 88		13:22:42 09 Apr 13		HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		103.4	5.169	5.000	ppb	.0000		
*** Check Standard: 1	Ck1CCB			Seq: 89		13:24:17 09 Apr 13		HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		.0066	.2000	ppb	.0000			
*** Sample ID:				Seq: 90		14:57:29 09 Apr 13		HG
				MB 240-81101/1-A				
Hg	-.0191	ppb	.0000	-.0191				
*** Sample ID:				Seq: 91		14:59:40 09 Apr 13		HG
				LCS 240-81101/2-A				
Hg	5.081	ppb	.0000	5.081				
*** Sample ID:				Seq: 92		15:01:03 09 Apr 13		HG
				240-22693-E-2-A				
Hg	-.0311	ppb	.0000	-.0311				
*** Sample ID:				Seq: 93		15:02:40 09 Apr 13		HG
				240-22693-E-2-B MS				
Hg	1.093	ppb	.0000	1.093				
*** Sample ID:				Seq: 94		15:04:18 09 Apr 13		HG
				240-22693-E-2-C MSD				
Hg	1.063	ppb	.0000	1.063				
*** Sample ID:				Seq: 95		15:05:38 09 Apr 13		HG
				240-22923-C-1-A				
Hg	-.0266	ppb	.0000	-.0266				
*** Check Standard: 6	Ck6CCV			Seq: 96		15:07:03 09 Apr 13		HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		102.8	5.142	5.000	ppb	.0000		

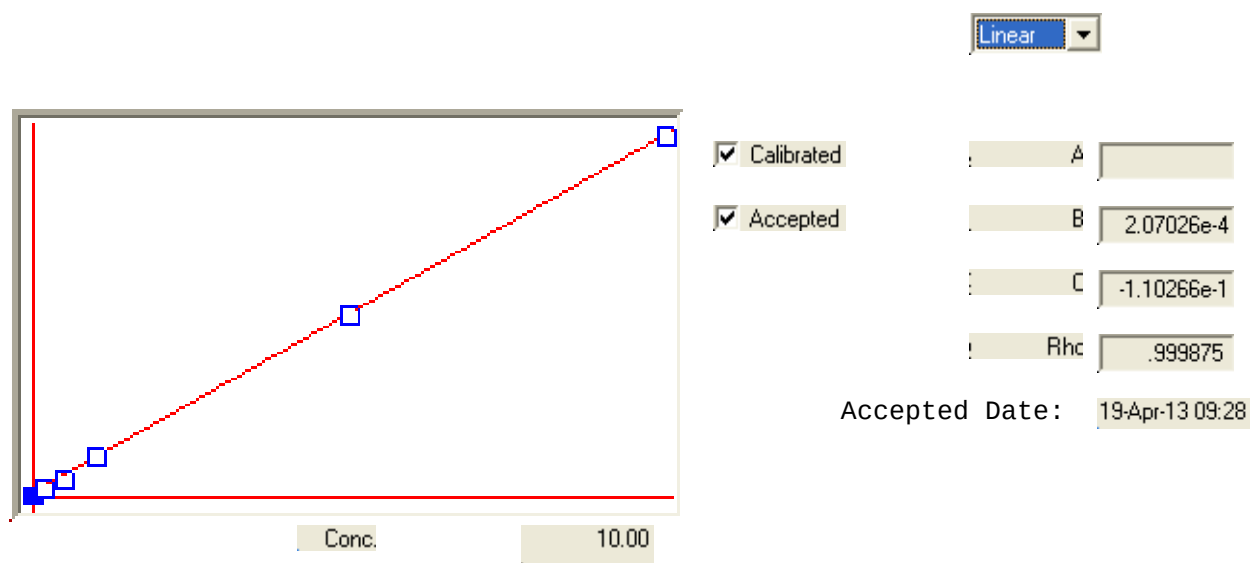
Protocol: 0409CHG1

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Check Standard: 1 Ck1CCB Seq: 97 15:08:20 09 Apr 13 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0049	.2000	ppb	.0000			
*** Sample ID: Seq: 98 15:10:29 09 Apr 13 HG								
					240-22680-I-2-B			
Hg	.0219	ppb	.0000		.0219			
*** Sample ID: Seq: 99 15:12:06 09 Apr 13 HG								
					240-22693-E-1-A			
Hg	-.0180	ppb	.0000		-.0180			
*** Sample ID: Seq: 100 15:13:23 09 Apr 13 HG								
					240-22693-E-3-A			
Hg	.0029	ppb	.0000		.0029			
*** Sample ID: Seq: 101 15:15:01 09 Apr 13 HG								
					240-22693-E-4-A			
Hg	-.0010	ppb	.0000		-.0010			
*** Sample ID: Seq: 102 15:16:23 09 Apr 13 HG								
					240-22693-D-5-A			
Hg	-.0258	ppb	.0000		-.0258			
*** Sample ID: Seq: 103 15:17:51 09 Apr 13 HG								
					240-22693-D-6-A			
Hg	-.0294	ppb	.0000		-.0294			
*** Sample ID: Seq: 104 15:19:12 09 Apr 13 HG								
					240-22693-D-7-A			
Hg	-.0074	ppb	.0000		-.0074			
*** Sample ID: Seq: 105 15:20:59 09 Apr 13 HG								
					240-22693-D-8-A			
Hg	.0593	ppb	.0000		.0593			
*** Sample ID: Seq: 106 15:22:31 09 Apr 13 HG								
					240-22732-I-2-B			
Hg	-.0406	ppb	.0000		-.0406			
*** Sample ID: Seq: 107 15:24:09 09 Apr 13 HG								
					240-22732-I-7-D			
Hg	-.0054	ppb	.0000		-.0054			
*** Check Standard: 6 Ck6CCV Seq: 108 15:25:57 09 Apr 13 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		105.2	5.262	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB Seq: 109 15:27:16 09 Apr 13 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0110	.2000	ppb	.0000			
*** Sample ID: Seq: 110 15:28:33 09 Apr 13 HG								
					240-22732-J-9-B			
Hg	-.0375	ppb	.0000		-.0375			
*** Sample ID: Seq: 111 15:30:02 09 Apr 13 HG								
					240-22816-F-2-A			
Hg	.1114	ppb	.0000		.1114			
*** Sample ID: Seq: 112 15:31:20 09 Apr 13 HG								
					240-22816-F-3-A			
Hg	.2815	ppb	.0000		.2815			

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: Seq: 113 15:33:01 09 Apr 13 HG								
				240-22816-E-4-A				
Hg	.0543	ppb	.0000	.0543				
*** Sample ID: Seq: 114 15:35:10 09 Apr 13 HG								
				240-22816-D-5-A				
Hg	.3203	ppb	.0000	.3203				
*** Sample ID: Seq: 115 15:36:28 09 Apr 13 HG								
				240-22816-D-6-A				
Hg	.2734	ppb	.0000	.2734				
*** Sample ID: Seq: 116 15:38:07 09 Apr 13 HG								
				240-22816-E-7-A				
Hg	.0035	ppb	.0000	.0035				
*** Sample ID: Seq: 117 15:39:35 09 Apr 13 HG								
				240-22816-E-8-A				
Hg	-.0012	ppb	.0000	-.0012				
*** Check Standard: 6 Ck6CCV Seq: 118 15:41:26 09 Apr 13 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		105.4	5.268	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB Seq: 119 15:43:04 09 Apr 13 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		.0024	.2000	ppb	.0000			

Protocol: 0419AHG1

[illegible]

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Standard: 1 Rep: 1								
				Seq: 1		09:14:00	19 Apr 13	HG
Hg	.0000	ppb	2544					
*** Standard: 2 Rep: 1								
				Seq: 2		09:15:49	19 Apr 13	HG
Hg	.2000	ppb	1228					
*** Standard: 1 Rep: 1								
				Seq: 3		09:18:02	19 Apr 13	HG
Hg	.0000	ppb	1059					
*** Standard: 1 Rep: 1								
				Seq: 4		09:20:00	19 Apr 13	HG
Hg	.0000	ppb	542					
*** Standard: 2 Rep: 1								
				Seq: 5		09:21:37	19 Apr 13	HG
Hg	.2000	ppb	1177					
*** Standard: 3 Rep: 1								
				Seq: 6		09:23:08	19 Apr 13	HG
Hg	.5000	ppb	2707					
*** Standard: 4 Rep: 1								
				Seq: 7		09:24:36	19 Apr 13	HG
Hg	1.000	ppb	5835					
*** Standard: 5 Rep: 1								
				Seq: 8		09:26:13	19 Apr 13	HG
Hg	5.000	ppb	24923					
*** Standard: 6 Rep: 1								
				Seq: 9		09:27:30	19 Apr 13	HG
Hg	10.00	ppb	48678					
*** Check Standard: 2 Ck2ICV								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		101.7	2.542	2.500	ppb	.0000	09:29:54	19 Apr 13 HG
*** Check Standard: 3 Ck3ICB								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		^^^^^^	.0123	.0000	ppb	.0000	09:31:32	19 Apr 13 HG
*** Check Standard: 4 Ck4CRA\MRL								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		72.71	.1454	.2000	ppb	.0000	09:32:59	19 Apr 13 HG
*** Check Standard: 6 Ck6CCV								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		100.3	5.014	5.000	ppb	.0000	09:34:45	19 Apr 13 HG
*** Check Standard: 1 Ck1CCB								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0188	.2000	ppb	.0000		09:36:44	19 Apr 13 HG
*** Sample ID:								
				Seq: 15		09:37:59	19 Apr 13	HG
			MB 240-82498/1-A					
Hg	-.0829	ppb	.0000	-.0829				
*** Sample ID:								
				Seq: 16		09:39:15	19 Apr 13	HG
			LCS 240-82498/2-A					
Hg	4.728	ppb	.0000	4.728				

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID:				Seq: 17		09:41:14	19 Apr 13	HG
				240-23018-P-4-A				
Hg	.0131	ppb	.0000	.0131				
*** Sample ID:				Seq: 18		09:43:24	19 Apr 13	HG
				240-23018-P-4-B MS				
Hg	3.164	ppb	.0000	3.164				
*** Sample ID:				Seq: 19		09:45:05	19 Apr 13	HG
				240-23018-P-4-C MSD				
Hg	1.016	ppb	.0000	1.016				
*** Sample ID:				Seq: 20		09:46:54	19 Apr 13	HG
				240-23018-F-1-B				
Hg	-.0544	ppb	.0000	-.0544				
*** Sample ID:				Seq: 21		09:48:11	19 Apr 13	HG
				240-23018-E-2-B				
Hg	.0692	ppb	.0000	.0692				
*** Sample ID:				Seq: 22		09:49:40	19 Apr 13	HG
				240-23018-E-3-B				
Hg	-.0388	ppb	.0000	-.0388				
*** Sample ID:				Seq: 23		09:51:08	19 Apr 13	HG
				240-23018-E-5-B				
Hg	-.0142	ppb	.0000	-.0142				
*** Sample ID:				Seq: 24		09:52:24	19 Apr 13	HG
				240-23018-E-6-B				
Hg	.1727	ppb	.0000	.1727				
*** Check Standard: 6	Ck6CCV			Seq: 25		09:53:44	19 Apr 13	HG
Line Flag	%Rcv.	Found	True	Units	SD/RSD			
Hg	99.48	4.974	5.000	ppb	.0000			
*** Check Standard: 1	Ck1CCB			Seq: 26		09:55:23	19 Apr 13	HG
Line Flag	Found	Range(+/-)	Units	SD/RSD				
Hg	-.0163	.2000	ppb	.0000				
*** Sample ID:				Seq: 27		09:56:59	19 Apr 13	HG
				240-23018-F-7-B				
Hg	-.0225	ppb	.0000	-.0225				
*** Sample ID:				Seq: 28		09:58:56	19 Apr 13	HG
				240-23018-E-8-B				
Hg	-.0359	ppb	.0000	-.0359				
*** Sample ID:				Seq: 29		10:00:14	19 Apr 13	HG
				240-23018-E-9-B				
Hg	-.0177	ppb	.0000	-.0177				
*** Sample ID:				Seq: 30		10:01:52	19 Apr 13	HG
				240-23182-C-18-C				
Hg	-.0496	ppb	.0000	-.0496				
*** Sample ID:				Seq: 31		10:03:10	19 Apr 13	HG
				240-23185-D-13-B				
Hg	-.0169	ppb	.0000	-.0169				
*** Sample ID:				Seq: 32		10:04:36	19 Apr 13	HG
				MB 240-82367/1-A				
Hg	-.0569	ppb	.0000	-.0569				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: Seq: 33 10:06:06 19 Apr 13 HG								
				LCS 240-82367/2-A				
Hg	4.698	ppb	.0000	4.698				
*** Sample ID: Seq: 34 10:07:23 19 Apr 13 HG								
				240-22852-I-1-J				
Hg	.1614	ppb	.0000	.1614				
*** Sample ID: Seq: 35 10:08:50 19 Apr 13 HG								
				240-22852-I-1-K DU				
Hg	-.0055	ppb	.0000	-.0055				
*** Sample ID: Seq: 36 10:10:08 19 Apr 13 HG								
				240-22852-I-1-L MS				
Hg	.9627	ppb	.0000	.9627				
*** Check Standard: 6 Ck6CCV Seq: 37 10:11:34 19 Apr 13 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		98.77	4.938	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB Seq: 38 10:13:30 19 Apr 13 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0128	.2000	ppb	.0000			
*** Sample ID: Seq: 39 10:15:58 19 Apr 13 HG								
				240-22852-C-2-D				
Hg	.0183	ppb	.0000	.0183				
*** Sample ID: Seq: 40 10:17:37 19 Apr 13 HG								
				240-22663-C-39-C				
Hg	.0115	ppb	.0000	.0115				
*** Sample ID: Seq: 41 10:18:53 19 Apr 13 HG								
				240-22663-C-40-D				
Hg	.0125	ppb	.0000	.0125				
*** Sample ID: Seq: 42 10:20:21 19 Apr 13 HG								
				240-22663-C-41-D				
Hg	.0036	ppb	.0000	.0036				
*** Sample ID: Seq: 43 10:21:56 19 Apr 13 HG								
				240-22663-C-43-D				
Hg	-.0049	ppb	.0000	-.0049				
*** Sample ID: Seq: 44 10:23:38 19 Apr 13 HG								
				240-22663-C-44-F				
Hg	.0237	ppb	.0000	.0237				
*** Sample ID: Seq: 45 10:25:25 19 Apr 13 HG								
				240-22756-C-9-A				
Hg	.1905	ppb	.0000	.1905				
*** Sample ID: Seq: 46 10:27:05 19 Apr 13 HG								
				240-22804-G-4-G				
Hg	-.0065	ppb	.0000	-.0065				
*** Check Standard: 4 Ck4CRA\MRL Seq: 47 10:28:31 19 Apr 13 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		65.36	.1307	.2000	ppb	.0000		
*** Check Standard: 4 Ck4CRA\MRL Seq: 48 10:33:51 19 Apr 13 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		65.67	.1313	.2000	ppb	.0000		

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Check Standard: 6 Ck6CCV Seq: 49 10:35:25 19 Apr 13 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		98.04	4.902	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB Seq: 50 10:37:56 19 Apr 13 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0202	.2000	ppb	.0000			
*** Sample ID: Seq: 51 10:39:23 19 Apr 13 HG								
			LCS 240-82350/2-A					
Hg	4.759	ppb	.0000	4.759				
*** Sample ID: Seq: 52 10:40:49 19 Apr 13 HG								
			240-23185-J-2-A					
Hg	-.0039	ppb	.0000	-.0039				
*** Sample ID: Seq: 53 10:42:10 19 Apr 13 HG								
			240-23185-J-2-B MS					
Hg	.9599	ppb	.0000	.9599				
*** Sample ID: Seq: 54 10:43:43 19 Apr 13 HG								
			240-23185-J-2-C MSD					
Hg	1.052	ppb	.0000	1.052				
*** Sample ID: Seq: 55 10:45:39 19 Apr 13 HG								
			240-23185-D-3-A					
Hg	.0212	ppb	.0000	.0212				
*** Sample ID: Seq: 56 10:47:06 19 Apr 13 HG								
			240-23185-D-4-A					
Hg	-.0177	ppb	.0000	-.0177				
*** Sample ID: Seq: 57 10:48:35 19 Apr 13 HG								
			240-23185-D-5-A					
Hg	.0262	ppb	.0000	.0262				
*** Sample ID: Seq: 58 10:50:01 19 Apr 13 HG								
			240-23185-D-6-A					
Hg	-.0039	ppb	.0000	-.0039				
*** Sample ID: Seq: 59 10:51:20 19 Apr 13 HG								
			240-23185-D-7-A					
Hg	-.0051	ppb	.0000	-.0051				
*** Sample ID: Seq: 60 10:52:40 19 Apr 13 HG								
			240-23185-D-8-A					
Hg	.0040	ppb	.0000	.0040				
*** Check Standard: 6 Ck6CCV Seq: 61 10:54:18 19 Apr 13 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		97.03	4.852	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB Seq: 62 10:55:45 19 Apr 13 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0250	.2000	ppb	.0000			
*** Sample ID: Seq: 63 10:57:01 19 Apr 13 HG								
			240-23185-D-9-A					
Hg	.0874	ppb	.0000	.0874				
*** Sample ID: Seq: 64 10:58:28 19 Apr 13 HG								
			240-23185-D-10-A					
Hg	.0032	ppb	.0000	.0032				

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID:				Seq: 65		10:59:58	19 Apr 13	HG
				240-23185-D-11-A				
Hg	.1204	ppb	.0000	.1204				
*** Sample ID:				Seq: 66		11:01:39	19 Apr 13	HG
				240-23185-D-12-A				
Hg	-.0140	ppb	.0000	-.0140				
*** Sample ID:				Seq: 67		11:02:56	19 Apr 13	HG
				240-23195-B-1-B				
Hg	.0133	ppb	.0000	.0133				
*** Sample ID:				Seq: 68		11:04:23	19 Apr 13	HG
				240-23195-B-2-B				
Hg	.0005	ppb	.0000	.0005				
*** Sample ID:				Seq: 69		11:06:20	19 Apr 13	HG
				240-23195-B-3-B				
Hg	-.0349	ppb	.0000	-.0349				
*** Sample ID:				Seq: 70		11:07:57	19 Apr 13	HG
				240-23195-A-4-B				
Hg	.0266	ppb	.0000	.0266				
*** Sample ID:				Seq: 71		11:09:14	19 Apr 13	HG
				240-23195-B-39-B				
Hg	-.0769	ppb	.0000	-.0769				
*** Sample ID:				Seq: 72		11:10:45	19 Apr 13	HG
				240-23195-B-40-B				
Hg	.2044	ppb	.0000	.2044				
*** Check Standard: 6	Ck6CCV			Seq: 73		11:12:04	19 Apr 13	HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		96.49	4.824	5.000	ppb	.0000		
*** Check Standard: 1	Ck1CCB			Seq: 74		11:13:32	19 Apr 13	HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0277	.2000	ppb	.0000			
*** Sample ID:				Seq: 75		11:14:49	19 Apr 13	HG
				240-23195-B-41-B				
Hg	.1473	ppb	.0000	.1473				
*** Sample ID:				Seq: 76		11:16:48	19 Apr 13	HG
				240-23195-B-42-B				
Hg	-.0633	ppb	.0000	-.0633				
*** Sample ID:				Seq: 77		11:18:15	19 Apr 13	HG
				240-23195-B-43-B				
Hg	3.668	ppb	.0000	3.668				
*** Sample ID:				Seq: 78		11:19:32	19 Apr 13	HG
				MB 240-82546/1-A				
Hg	-.1065	ppb	.0000	-.1065				
*** Sample ID:				Seq: 79		11:21:25	19 Apr 13	HG
				LCS 240-82546/2-A				
Hg	4.652	ppb	.0000	4.652				
*** Sample ID:				Seq: 80		11:22:45	19 Apr 13	HG
				240-23185-D-14-D				
Hg	-.0598	ppb	.0000	-.0598				

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID:				Seq: 81		11:24:06	19 Apr 13	HG
				240-23185-D-14-E MS				
Hg	.9288	ppb	.0000	.9288				
*** Sample ID:				Seq: 82		11:25:23	19 Apr 13	HG
				240-23185-D-14-F MSD				
Hg	.9168	ppb	.0000	.9168				
*** Sample ID:				Seq: 83		11:27:12	19 Apr 13	HG
				240-23185-D-15-B				
Hg	.0394	ppb	.0000	.0394				
*** Sample ID:				Seq: 84		11:29:00	19 Apr 13	HG
				240-23185-D-16-B				
Hg	.0533	ppb	.0000	.0533				
*** Check Standard: 6	Ck6CCV			Seq: 85		11:30:28	19 Apr 13	HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		96.38	4.819	5.000	ppb	.0000		
*** Check Standard: 1	Ck1CCB			Seq: 86		11:31:56	19 Apr 13	HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0260	.2000	ppb	.0000			
*** Sample ID:				Seq: 87		11:33:12	19 Apr 13	HG
				240-23185-D-17-B				
Hg	.0496	ppb	.0000	.0496				
*** Sample ID:				Seq: 88		11:34:30	19 Apr 13	HG
				240-23185-D-18-B				
Hg	.0562	ppb	.0000	.0562				
*** Sample ID:				Seq: 89		11:35:52	19 Apr 13	HG
				240-23185-D-19-B				
Hg	.0233	ppb	.0000	.0233				
*** Sample ID:				Seq: 90		11:37:34	19 Apr 13	HG
				240-23185-D-20-B				
Hg	.0576	ppb	.0000	.0576				
*** Sample ID:				Seq: 91		11:38:51	19 Apr 13	HG
				240-23185-D-21-B				
Hg	-.0258	ppb	.0000	-.0258				
*** Sample ID:				Seq: 92		11:40:50	19 Apr 13	HG
				240-23185-D-22-B				
Hg	-.0304	ppb	.0000	-.0304				
*** Sample ID:				Seq: 93		11:42:41	19 Apr 13	HG
				240-23185-D-23-B				
Hg	.0529	ppb	.0000	.0529				
*** Sample ID:				Seq: 94		11:44:01	19 Apr 13	HG
				240-23185-D-24-B				
Hg	-.0390	ppb	.0000	-.0390				
*** Sample ID:				Seq: 95		11:45:29	19 Apr 13	HG
				240-23185-D-25-B				
Hg	-.0349	ppb	.0000	-.0349				
*** Sample ID:				Seq: 96		11:47:05	19 Apr 13	HG
				240-23185-D-26-B				
Hg	.0264	ppb	.0000	.0264				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Check Standard: 6 Ck6CCV Seq: 97 11:48:54 19 Apr 13 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		96.18	4.809	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB Seq: 98 11:50:13 19 Apr 13 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0386	.2000	ppb	.0000			
*** Sample ID: Seq: 99 11:51:35 19 Apr 13 HG								
			240-23185-D-27-B					
Hg	-.0132	ppb	.0000	-.0132				
*** Sample ID: Seq: 100 11:53:14 19 Apr 13 HG								
			240-23258-F-1-B					
Hg	.0997	ppb	.0000	.0997				
*** Sample ID: Seq: 101 11:54:33 19 Apr 13 HG								
			240-23258-F-2-B					
Hg	.1090	ppb	.0000	.1090				
*** Sample ID: Seq: 102 11:56:10 19 Apr 13 HG								
			240-23258-F-3-B					
Hg	.1148	ppb	.0000	.1148				
*** Check Standard: 6 Ck6CCV Seq: 103 11:57:28 19 Apr 13 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		96.12	4.806	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB Seq: 104 11:59:05 19 Apr 13 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0306	.2000	ppb	.0000			
*** Check Standard: 6 Ck6CCV Seq: 105 14:11:01 19 Apr 13 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		93.50	4.675	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB Seq: 106 14:12:39 19 Apr 13 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0212	.2000	ppb	.0000			
*** Sample ID: Seq: 107 14:13:54 19 Apr 13 HG								
			LB 240-82595/2-C					
Hg	-.0792	ppb	.0000	-.0792				
*** Sample ID: Seq: 108 14:15:34 19 Apr 13 HG								
			MB 240-82683/2-A					
Hg	-.0453	ppb	.0000	-.0453				
*** Sample ID: Seq: 109 14:16:52 19 Apr 13 HG								
			LCS 240-82683/3-A					
Hg	4.755	ppb	.0000	4.755				
*** Sample ID: Seq: 110 14:18:35 19 Apr 13 HG								
			240-22999-A-2-L					
Hg	.0322	ppb	.0000	.0322				
*** Sample ID: Seq: 111 14:19:57 19 Apr 13 HG								
			240-22999-A-2-M MS					
Hg	4.658	ppb	.0000	4.658				
*** Sample ID: Seq: 112 14:21:17 19 Apr 13 HG								
			240-22999-A-2-N MSD					
Hg	4.604	ppb	.0000	4.604				

Line	Conc.	Units	SD/RSD	1	2	3	4	5

***	Check	Standard: 6	Ck6CCV	Seq:	113	14:22:37	19 Apr 13	HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		95.38	4.769	5.000	ppb	.0000		
***	Check	Standard: 1	Ck1CCB	Seq:	114	14:24:33	19 Apr 13	HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0326	.2000	ppb	.0000			

TestAmerica North Canton Hg Data Review Checklist

Run/Project Information: _____

Circle Methods used: 7470A / 245.1 :

7471:

Run Date: 4/19/2013

Analyst:

A. Sutherland

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:

A. Sutherland

Date/Time:

4/22/2013

Reviewed from

9:14

to

14:24

Analyst:

Date/Time:

Reviewed from

to

Comments:

Level II

Reviewer:

Natalie J. Joth

Date/Time:

4-22-13

Reviewed from

9:14

to

14:24

Reviewer:

Date/Time:

Reviewed from

to

Comments:

Curve Date

4/19/2013

Curve Time

8:15-8:45

DILUTION H2O

NA

Revised 11/29/2012

Dilution Corrected Concentrations

STD1 809429 INT STD 5/7/2013 11:30:59 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:31:42	101.182%	-0.008	0.640	-0.037	0.000	-0.116	-0.004	0.089
2	11:32:25	101.550%	0.003	-0.457	-0.424	0.000	-0.857	-0.132	-0.020
3	11:33:08	97.267%	0.004	-0.183	0.461	0.000	0.973	0.136	-0.069
X		100.000%	0.000	0.000	0.000	0.000	0.000	-0.000	-0.000
σ		2.374%	0.007	0.571	0.444	0.000	0.921	0.134	0.081
%RSD		2.374	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:31:42	0.007	-0.707	0.000	-0.772	6.635	0.213	101.014%	-0.056
2	11:32:25	-0.023	-1.157	0.000	0.054	-3.360	-0.239	101.124%	-0.056
3	11:33:08	0.016	1.864	0.000	0.718	-3.275	0.026	97.862%	0.111
X		-0.000	0.000	0.000	-0.000	0.000	0.000	100.000%	0.000
σ		0.020	1.630	0.000	0.747	5.746	0.227	1.852%	0.096
%RSD		0.000	0.000	0.000	0.000	0.000	0.000	1.852	0.000
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:31:42	-0.022	-0.026	-0.001	-0.224	-0.676	0.002	0.003	0.018
2	11:32:25	-0.000	0.014	0.001	0.029	0.175	-0.000	0.003	-0.003
3	11:33:08	0.022	0.013	-0.000	0.195	0.501	-0.002	-0.006	-0.015
X		-0.000	-0.000	0.000	0.000	0.000	-0.000	-0.000	-0.000
σ		0.022	0.023	0.001	0.211	0.608	0.002	0.005	0.017
%RSD		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:31:42	0.004	-0.060	0.006	0.029	-0.273	0.053	0.000	-0.001
2	11:32:25	-0.010	0.010	-0.078	-0.088	0.176	-0.204	0.000	0.002
3	11:33:08	0.006	0.050	0.072	0.059	0.096	0.152	0.000	-0.001
X		0.000	-0.000	-0.000	0.000	-0.000	0.000	0.000	-0.000
σ		0.009	0.056	0.075	0.077	0.240	0.184	0.000	0.002
%RSD		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:31:42	100.898%	0.002	-0.000	100.268%	-0.002	0.003	-0.008	-0.006
2	11:32:25	100.720%	0.002	0.007	100.825%	-0.005	0.001	0.023	0.014
3	11:33:08	98.382%	-0.004	-0.007	98.907%	0.007	-0.005	-0.015	-0.008
X		100.000%	-0.000	0.000	100.000%	0.000	-0.000	0.000	0.000
σ		1.404%	0.003	0.007	0.986%	0.006	0.004	0.020	0.012
%RSD		1.404	0.000	0.000	0.986	0.000	0.000	0.000	0.000
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:31:42	100.548%	0.017	-0.001	-0.008	-0.024	-0.010	99.558%	100.031%
2	11:32:25	100.145%	-0.005	-0.006	0.010	0.031	0.007	101.239%	100.962%
3	11:33:08	99.307%	-0.012	0.007	-0.002	-0.007	0.003	99.203%	99.007%
X		100.000%	0.000	-0.000	-0.000	0.000	0.000	100.000%	100.000%
σ		0.633%	0.015	0.006	0.009	0.028	0.009	1.088%	0.978%
%RSD		0.633	0.000	0.000	0.000	0.000	0.000	1.088	0.978
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	11:31:42	0.000	-0.000	0.000	-0.002	-0.000	100.786%		
2	11:32:25	-0.001	0.001	-0.003	0.002	-0.001	101.586%		
3	11:33:08	0.001	-0.001	0.003	-0.000	0.001	97.628%		
X		-0.000	0.000	0.000	-0.000	-0.000	100.000%		
σ		0.001	0.001	0.003	0.002	0.001	2.093%		
%RSD		0.000	0.000	0.000	0.000	0.000	2.093		

STD2 806388 5/7/2013 11:39:59 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:40:42	90.311%	197.700	-2.028	-2.158	0.000	96770.000	97260.000	96870.000
2	11:41:25	90.534%	196.400	-2.967	-2.601	0.000	99150.000	98800.000	98870.000
3	11:42:08	92.918%	205.900	-3.905	-2.501	0.000	104100.000	103900.000	104300.000
x		91.254%	200.000	-2.967	-2.420	0.000	100000.000	100000.000	100000.000
σ		1.445%	5.131	0.939	0.233	0.000	3729.000	3495.000	3820.000
%RSD		1.583	2.566	31.640	9.606	0.000	3.729	3.495	3.820
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:40:42	963.300	7.020	0.000	97200.000	97690.000	96110.000	89.555%	0.090
2	11:41:25	994.500	9.243	0.000	97550.000	97320.000	97930.000	88.257%	-0.042
3	11:42:08	1042.000	8.452	0.000	105200.000	105000.000	106000.000	89.004%	-0.010
x		1000.000	8.238	0.000	100000.000	100000.000	100000.000	88.939%	0.013
σ		39.800	1.127	0.000	4550.000	4327.000	5245.000	0.651%	0.069
%RSD		3.980	13.680	0.000	4.550	4.327	5.245	0.732	544.200
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:40:42	191.500	193.500	976.500	48760.000	48080.000	191.700	193.400	193.400
2	11:41:25	196.900	196.100	977.900	48810.000	49190.000	195.100	194.700	194.300
3	11:42:08	211.600	210.400	1046.000	52430.000	52730.000	213.300	212.000	212.300
x		200.000	200.000	1000.000	50000.000	50000.000	200.000	200.000	200.000
σ		10.390	9.115	39.500	2105.000	2425.000	11.610	10.370	10.620
%RSD		5.195	4.557	3.950	4.211	4.850	5.805	5.187	5.312
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:40:42	193.600	194.500	195.400	196.000	193.200	195.200	0.000	194.700
2	11:41:25	194.600	196.400	195.700	195.900	197.400	195.000	0.000	195.400
3	11:42:08	211.800	209.100	208.800	208.100	209.500	209.800	0.000	209.800
x		200.000	200.000	200.000	200.000	200.000	200.000	0.000	200.000
σ		10.260	7.972	7.644	6.973	8.479	8.509	0.000	8.536
%RSD		5.130	3.986	3.822	3.487	4.240	4.255	0.000	4.268
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:40:42	87.627%	0.220	0.190	80.630%	195.100	196.800	195.900	196.100
2	11:41:25	87.102%	0.261	0.167	80.139%	195.700	195.500	195.500	196.600
3	11:42:08	87.237%	0.301	0.254	79.261%	209.200	207.600	208.600	207.300
x		87.322%	0.261	0.204	80.010%	200.000	200.000	200.000	200.000
σ		0.273%	0.041	0.045	0.693%	8.009	6.628	7.457	6.347
%RSD		0.312	15.710	22.320	0.867	4.005	3.314	3.728	3.174
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:40:42	86.263%	0.088	0.088	0.069	195.700	194.800	90.402%	91.649%
2	11:41:25	85.541%	0.105	0.074	0.135	194.800	195.900	90.756%	90.128%
3	11:42:08	85.150%	0.113	0.065	0.106	209.600	209.300	87.881%	89.376%
x		85.651%	0.102	0.076	0.103	200.000	200.000	89.680%	90.384%
σ		0.565%	0.013	0.011	0.033	8.284	8.031	1.568%	1.158%
%RSD		0.659	12.620	14.950	32.260	4.142	4.016	1.748	1.281
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	11:40:42	188.800	187.800	187.700	189.500	188.400	79.885%		
2	11:41:25	189.400	189.900	188.600	189.200	189.800	78.896%		
3	11:42:08	221.800	222.300	223.600	221.300	221.800	69.698%		
x		200.000	200.000	200.000	200.000	200.000	76.160%		
σ		18.870	19.340	20.480	18.470	18.850	5.618%		
%RSD		9.435	9.669	10.240	9.237	9.425	7.376		

STD3 806389 5/7/2013 11:44:46 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:45:29	97.062%	0.183	197.400	195.300	0.000	76.390	66.480	63.320
2	11:46:12	90.846%	0.095	204.800	205.900	0.000	78.350	65.720	64.460
3	11:46:55	91.304%	0.107	197.900	198.800	0.000	74.010	60.020	61.930
x		93.071%	0.128	200.000	200.000	0.000	76.250	64.080	63.230
σ		3.464%	0.048	4.141	5.433	0.000	2.175	3.530	1.267
%RSD		3.722	37.240	2.071	2.717	0.000	2.852	5.509	2.004
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:45:29	15.560	10070.000	0.000	72.300	64.620	144.500	92.894%	199.500
2	11:46:12	14.960	10100.000	0.000	70.130	53.110	146.400	89.815%	201.700
3	11:46:55	14.770	9833.000	0.000	63.130	72.830	144.600	89.717%	198.700
x		15.100	10000.000	0.000	68.520	63.520	145.200	90.808%	200.000
σ		0.415	145.200	0.000	4.794	9.904	1.026	1.807%	1.547
%RSD		2.746	1.452	0.000	6.997	15.590	0.707	1.990	0.773
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:45:29	0.077	0.065	2.121	51.330	54.620	0.115	0.218	0.338
2	11:46:12	0.115	0.069	2.096	45.910	51.150	0.136	0.214	0.331
3	11:46:55	0.087	0.010	2.017	40.510	45.310	0.109	0.205	0.217
x		0.093	0.048	2.078	45.920	50.360	0.120	0.213	0.295
σ		0.019	0.033	0.054	5.411	4.704	0.014	0.007	0.068
%RSD		20.920	68.960	2.612	11.790	9.340	11.510	3.201	23.080
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:45:29	0.400	1.855	1.991	0.584	1.154	0.986	0.000	0.281
2	11:46:12	0.260	2.144	1.961	0.280	0.821	0.090	0.000	0.254
3	11:46:55	0.445	1.977	2.124	0.258	0.298	0.188	0.000	0.236
x		0.368	1.992	2.025	0.374	0.758	0.421	0.000	0.257
σ		0.097	0.145	0.087	0.183	0.431	0.492	0.000	0.022
%RSD		26.220	7.280	4.289	48.820	56.900	116.700	0.000	8.758
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:45:29	90.166%	196.900	196.700	90.303%	0.186	0.182	0.363	-0.431
2	11:46:12	90.025%	198.000	199.100	89.907%	0.169	0.177	0.146	-0.323
3	11:46:55	88.934%	205.100	204.200	89.003%	0.172	0.167	0.201	-0.603
x		89.708%	200.000	200.000	89.737%	0.176	0.175	0.237	-0.452
σ		0.675%	4.459	3.805	0.666%	0.009	0.008	0.113	0.141
%RSD		0.752	2.229	1.903	0.742	5.089	4.399	47.690	31.250
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:45:29	90.108%	200.000	198.000	198.600	0.219	0.388	89.978%	90.583%
2	11:46:12	91.383%	199.400	200.000	201.400	0.240	0.396	91.939%	92.419%
3	11:46:55	90.974%	200.600	202.000	199.900	0.188	0.348	91.978%	92.903%
x		90.822%	200.000	200.000	200.000	0.216	0.377	91.298%	91.968%
σ		0.651%	0.587	1.981	1.403	0.026	0.026	1.143%	1.224%
%RSD		0.717	0.294	0.990	0.701	11.990	6.866	1.252	1.331
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	11:45:29	0.102	0.115	0.203	0.172	0.172	92.284%		
2	11:46:12	0.110	0.105	0.205	0.162	0.183	93.171%		
3	11:46:55	0.103	0.100	0.182	0.180	0.173	92.755%		
x		0.105	0.107	0.197	0.171	0.176	92.737%		
σ		0.004	0.007	0.013	0.009	0.006	0.444%		
%RSD		3.923	6.773	6.506	5.324	3.385	0.478		

ICV 806391 5/7/2013 11:49:34 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:50:18	93.453%	81.440	99.350	100.300	0.000	40100.000	40540.000	40370.000
2	11:51:01	91.468%	82.850	102.900	102.800	0.000	40120.000	39950.000	39800.000
3	11:51:44	95.621%	81.730	100.500	98.730	0.000	38990.000	39500.000	39620.000
x		93.514%	102.510%	126.165%	125.764%	0.000	99.336%	99.995%	99.832%
σ		2.077%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		2.221	0.903	1.813	2.037	0.000	1.626	1.313	0.985
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:50:18	425.900	5526.000	0.000	40660.000	40300.000	37980.000	87.055%	84.230
2	11:51:01	419.800	5517.000	0.000	39950.000	38980.000	37280.000	87.293%	80.340
3	11:51:44	413.500	5560.000	0.000	40410.000	39350.000	37540.000	87.532%	85.240
x		104.931%	138.361%	0.000	100.853%	98.863%	93.996%	87.293%	104.092%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.238%	n/a
%RSD		1.471	0.412	0.000	0.893	1.719	0.946	0.273	3.106
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:50:18	81.590	81.190	400.400	19940.000	19900.000	79.440	81.780	82.060
2	11:51:01	80.180	80.480	396.800	19690.000	19720.000	79.210	81.340	82.070
3	11:51:44	82.300	81.450	400.300	19870.000	19980.000	80.290	81.190	82.490
x		101.696%	101.304%	99.794%	99.173%	99.336%	99.558%	101.795%	102.756%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.325	0.621	0.514	0.637	0.694	0.714	0.377	0.298
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:50:18	83.920	84.780	83.560	79.720	79.040	76.640	0.000	73.010
2	11:51:01	81.890	85.860	81.790	76.960	79.480	80.910	0.000	73.050
3	11:51:44	82.880	83.050	80.490	78.330	81.080	79.510	0.000	72.770
x		103.617%	105.704%	102.434%	97.922%	99.833%	98.775%	0.000	91.179%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.223	1.679	1.876	1.758	1.341	2.757	0.000	0.206
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:50:18	93.897%	81.830	84.650	82.074%	83.460	83.370	81.190	81.880
2	11:51:01	93.895%	81.140	85.870	82.340%	82.130	82.220	80.740	81.240
3	11:51:44	95.183%	82.350	83.610	82.875%	82.550	83.350	81.970	80.720
x		94.325%	102.219%	105.887%	82.429%	103.393%	103.725%	101.629%	101.599%
σ		0.743%	n/a	n/a	0.408%	n/a	n/a	n/a	n/a
%RSD		0.788	0.741	1.336	0.495	0.824	0.797	0.767	0.715
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:50:18	84.237%	83.730	83.990	84.320	81.120	79.860	87.082%	87.270%
2	11:51:01	85.807%	83.580	81.620	81.710	83.070	79.290	87.974%	88.219%
3	11:51:44	86.519%	82.340	82.530	81.970	79.510	80.740	87.787%	89.051%
x		85.521%	104.021%	103.389%	103.336%	101.544%	99.953%	87.614%	88.180%
σ		1.167%	n/a	n/a	n/a	n/a	n/a	0.471%	0.891%
%RSD		1.365	0.914	1.444	1.741	2.193	0.910	0.537	1.011
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	11:50:18	78.660	78.360	74.760	78.550	76.470	79.726%		
2	11:51:01	78.870	78.180	76.700	79.410	77.190	79.751%		
3	11:51:44	79.610	79.730	76.910	79.000	77.580	79.985%		
x		98.811%	98.448%	95.158%	98.734%	96.347%	79.820%		
σ		n/a	n/a	n/a	n/a	n/a	0.143%		
%RSD		0.630	1.078	1.558	0.547	0.730	0.179		

ICB 5/7/2013 11:57:50 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:58:33	106.298%	0.035	-3.432	-2.940	0.000	3.231	1.948	1.991
2	11:59:16	110.888%	0.022	-4.380	-3.745	0.000	10.840	11.620	10.230
3	11:59:59	107.863%	0.044	-3.426	-5.081	0.000	11.970	9.788	9.096
X		108.350%	0.034	-3.746	-3.922	0.000	8.678	7.784	7.105
σ		2.333%	0.011	0.549	1.081	0.000	4.751	5.136	4.465
%RSD		2.153	33.050	14.660	27.570	0.000	54.750	65.980	62.840
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:58:33	0.805	1.207	0.000	5.981	-3.609	1.844	112.721%	-0.117
2	11:59:16	3.219	1.198	0.000	11.280	7.533	11.560	113.218%	-0.065
3	11:59:59	2.804	2.383	0.000	13.290	5.205	9.699	114.444%	-0.282
X		2.276	1.596	0.000	10.180	3.043	7.702	113.461%	-0.155
σ		1.291	0.681	0.000	3.777	5.877	5.158	0.887%	0.113
%RSD		56.720	42.680	0.000	37.080	193.100	66.970	0.781	73.300
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:58:33	0.030	0.046	0.068	4.777	3.423	-0.001	0.048	-0.018
2	11:59:16	0.020	0.020	0.424	12.820	9.103	0.033	0.039	0.013
3	11:59:59	0.059	0.092	0.378	8.898	6.281	0.022	0.023	0.034
X		0.036	0.053	0.290	8.831	6.269	0.018	0.037	0.010
σ		0.020	0.036	0.194	4.021	2.840	0.017	0.013	0.026
%RSD		55.850	68.940	66.680	45.530	45.300	95.200	34.660	267.200
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:58:33	0.045	-0.028	0.027	-0.154	0.332	-0.527	0.000	0.013
2	11:59:16	0.050	0.039	0.157	-0.098	0.083	-0.364	0.000	0.041
3	11:59:59	0.075	0.126	0.146	0.042	0.316	0.311	0.000	0.034
X		0.056	0.046	0.110	-0.070	0.244	-0.193	0.000	0.029
σ		0.016	0.077	0.072	0.101	0.139	0.444	0.000	0.015
%RSD		28.550	169.100	65.500	144.800	57.170	229.700	0.000	50.100
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:58:33	111.559%	0.333	0.324	112.384%	-0.005	0.004	0.107	0.064
2	11:59:16	115.143%	0.339	0.327	114.796%	0.017	0.002	0.103	0.071
3	11:59:59	115.398%	0.281	0.301	114.611%	0.016	0.006	0.065	0.063
X		114.033%	0.318	0.317	113.930%	0.010	0.004	0.092	0.066
σ		2.147%	0.032	0.014	1.343%	0.012	0.002	0.023	0.004
%RSD		1.883	10.090	4.515	1.178	129.000	46.680	25.230	6.587
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:58:33	110.966%	0.096	0.024	0.036	-0.013	0.014	107.849%	108.878%
2	11:59:16	114.424%	0.076	0.039	0.059	0.014	0.080	111.403%	111.491%
3	11:59:59	116.061%	0.086	0.035	0.031	0.055	0.036	111.948%	112.502%
X		113.817%	0.086	0.033	0.042	0.019	0.043	110.400%	110.957%
σ		2.601%	0.010	0.008	0.015	0.034	0.034	2.226%	1.870%
%RSD		2.286	11.470	23.160	35.810	182.400	78.020	2.017	1.685
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	11:58:33	0.002	0.003	0.011	0.019	0.015	108.855%		
2	11:59:16	0.009	0.013	0.044	0.027	0.035	112.861%		
3	11:59:59	0.015	0.016	0.033	0.027	0.032	113.105%		
X		0.008	0.011	0.029	0.025	0.027	111.607%		
σ		0.007	0.007	0.017	0.005	0.010	2.386%		
%RSD		78.210	62.250	57.710	19.690	37.930	2.138		

CRI 806392 5/7/2013 12:06:05 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:06:48	122.014%	0.866	-3.275	-2.655	0.000	88.980	91.340	93.130
2	12:07:31	117.563%	1.057	-3.840	-2.304	0.000	96.360	101.100	100.900
3	12:08:14	116.303%	0.949	-3.621	-1.974	0.000	95.450	100.500	99.760
X		118.627%	95.756%	-71.574%	-46.218%	0.000	93.597%	97.622%	97.930%
σ		3.000%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		2.529	10.000	7.948	14.730	0.000	4.302	5.577	4.281
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:06:48	34.180	451.400	0.000	87.670	94.780	91.190	120.266%	4.961
2	12:07:31	36.430	477.100	0.000	94.950	90.950	95.890	114.547%	5.032
3	12:08:14	36.720	477.600	0.000	96.840	85.790	102.500	115.615%	4.798
X		119.261%	93.745%	0.000	93.157%	90.506%	96.513%	116.809%	98.613%
σ		n/a	n/a	0.000	n/a	n/a	n/a	3.040%	n/a
%RSD		3.878	3.202	0.000	5.197	4.989	5.872	2.603	2.432
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:06:48	0.819	1.743	4.925	55.930	59.950	0.520	0.998	1.887
2	12:07:31	1.074	1.915	5.295	61.580	66.730	0.498	1.037	2.249
3	12:08:14	0.933	1.808	5.252	60.520	67.220	0.479	1.169	2.180
X		94.214%	91.103%	1031.461%	118.689%	129.259%	99.815%	106.783%	105.264%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		13.570	4.765	3.918	5.060	6.288	4.091	8.371	9.110
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:06:48	2.138	5.604	5.684	0.879	4.378	3.950	0.000	4.185
2	12:07:31	2.225	5.753	6.179	1.025	5.323	5.239	0.000	4.530
3	12:08:14	2.042	5.581	6.261	1.206	5.187	4.447	0.000	4.461
X		106.754%	112.926%	120.825%	103.702%	99.252%	90.911%	0.000	87.838%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		4.285	1.654	5.172	15.780	10.290	14.310	0.000	4.152
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:06:48	116.217%	4.095	4.230	108.066%	0.964	0.955	1.073	1.143
2	12:07:31	114.516%	4.500	4.696	107.613%	1.063	1.045	1.127	1.203
3	12:08:14	114.923%	4.490	4.636	107.928%	1.063	1.036	1.137	1.197
X		115.219%	87.236%	90.417%	107.869%	103.011%	101.191%	111.259%	118.120%
σ		0.888%	n/a	n/a	0.232%	n/a	n/a	n/a	n/a
%RSD		0.771	5.293	5.607	0.215	5.587	4.901	3.085	2.817
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:06:48	107.285%	4.660	1.978	2.033	9.101	9.042	105.966%	106.700%
2	12:07:31	107.785%	5.025	1.964	2.134	9.721	9.971	106.039%	105.963%
3	12:08:14	107.978%	5.231	2.034	2.051	10.020	9.913	107.531%	108.520%
X		107.683%	99.437%	99.607%	103.628%	96.135%	96.419%	106.512%	107.061%
σ		0.358%	n/a	n/a	n/a	n/a	n/a	0.884%	1.316%
%RSD		0.332	5.813	1.849	2.592	4.866	5.392	0.830	1.229
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	12:06:48	0.873	0.813	0.881	0.848	0.880	107.607%		
2	12:07:31	0.918	0.861	0.939	0.927	0.941	106.642%		
3	12:08:14	0.901	0.895	0.967	0.902	0.921	108.503%		
X		89.763%	85.647%	92.926%	89.252%	91.392%	107.584%		
σ		n/a	n/a	n/a	n/a	n/a	0.931%		
%RSD		2.547	4.850	4.736	4.588	3.441	0.865		

ICSA 806393 5/7/2013 12:15:29 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:16:12	82.998%	0.163	-6.437	-6.019	0.000	95580.000	94950.000	95140.000
2	12:16:55	79.803%	0.184	-4.489	-5.486	0.000	95280.000	94810.000	95600.000
3	12:17:38	81.033%	0.196	-5.767	-6.244	0.000	95430.000	94040.000	94380.000
X		81.278%	0.181	-5.564	-5.916	0.000	95430.000	94600.000	95040.000
σ		1.612%	0.017	0.990	0.389	0.000	148.000	486.200	615.700
%RSD		1.983	9.213	17.790	6.577	0.000	0.155	0.514	0.648
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:16:12	93760.000	27.590	0.000	97920.000	99830.000	94090.000	70.870%	2251.000
2	12:16:55	93310.000	26.520	0.000	98170.000	98090.000	94440.000	70.275%	2223.000
3	12:17:38	92410.000	26.160	0.000	97710.000	100700.000	94120.000	70.071%	2206.000
X		93160.000	26.760	0.000	97930.000	99540.000	94220.000	70.405%	2227.000
σ		685.000	0.744	0.000	231.100	1331.000	195.800	0.415%	23.010
%RSD		0.735	2.782	0.000	0.236	1.337	0.208	0.589	1.033
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:16:12	-0.536	-0.044	1.358	103900.000	103300.000	0.275	0.260	0.942
2	12:16:55	-0.385	-0.063	1.316	102900.000	103400.000	0.308	0.158	1.149
3	12:17:38	-0.438	-0.127	1.208	102600.000	102400.000	0.235	0.252	1.028
X		-0.453	-0.078	1.294	103100.000	103100.000	0.273	0.223	1.040
σ		0.077	0.044	0.078	703.200	552.900	0.036	0.057	0.104
%RSD		16.980	56.020	6.001	0.682	0.536	13.310	25.490	10.030
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:16:12	1.439	5.273	3.959	0.391	1.061	0.475	0.000	5.077
2	12:16:55	1.317	5.439	4.981	0.463	0.727	0.721	0.000	5.200
3	12:17:38	1.499	5.385	4.717	0.421	0.969	0.403	0.000	5.074
X		1.418	5.366	4.552	0.425	0.919	0.533	0.000	5.117
σ		0.092	0.085	0.530	0.036	0.173	0.167	0.000	0.072
%RSD		6.515	1.584	11.650	8.492	18.780	31.290	0.000	1.407
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:16:12	66.361%	2240.000	2243.000	69.995%	0.182	0.169	0.334	0.467
2	12:16:55	67.223%	2255.000	2262.000	69.132%	0.191	0.170	0.420	0.353
3	12:17:38	67.657%	2254.000	2259.000	69.854%	0.212	0.229	0.060	0.378
X		67.080%	2250.000	2254.000	69.660%	0.195	0.189	0.271	0.399
σ		0.660%	8.132	10.260	0.463%	0.016	0.035	0.188	0.060
%RSD		0.983	0.361	0.455	0.665	8.027	18.300	69.260	15.050
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:16:12	72.610%	1.139	0.420	0.455	0.669	0.701	75.195%	75.132%
2	12:16:55	73.846%	1.011	0.449	0.422	0.742	0.612	76.338%	75.158%
3	12:17:38	74.024%	1.017	0.530	0.455	0.567	0.808	77.490%	78.289%
X		73.493%	1.055	0.466	0.444	0.659	0.707	76.341%	76.193%
σ		0.770%	0.072	0.057	0.019	0.088	0.098	1.148%	1.815%
%RSD		1.047	6.858	12.240	4.221	13.300	13.880	1.503	2.382
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	12:16:12	0.188	0.181	0.860	0.893	0.839	66.296%		
2	12:16:55	0.150	0.176	0.787	0.835	0.806	66.707%		
3	12:17:38	0.154	0.163	0.727	0.757	0.755	67.875%		
X		0.164	0.173	0.791	0.828	0.800	66.959%		
σ		0.021	0.010	0.067	0.068	0.042	0.819%		
%RSD		13.030	5.504	8.430	8.247	5.309	1.223		

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5/7/2013 12:23:43 PM

QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:24:26	86.743%	18.340	34.400	36.790	0.000	92820.000	92510.000	92630.000
2	12:25:09	83.566%	19.270	36.840	34.910	0.000	93420.000	92040.000	92330.000
3	12:25:52	81.649%	18.400	34.670	34.820	0.000	92010.000	91130.000	91500.000
x		83.986%	93.355%	70.605%	71.013%	0.000	92.749%	91.894%	92.156%
σ		2.573%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		3.064	2.760	3.788	3.137	0.000	0.762	0.761	0.636
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:24:26	90930.000	492.600	0.000	95710.000	96300.000	92700.000	72.813%	2184.000
2	12:25:09	90980.000	495.100	0.000	95380.000	96820.000	92320.000	72.503%	2142.000
3	12:25:52	89960.000	490.800	0.000	95490.000	98610.000	92880.000	69.840%	2206.000
x		90.625%	98.571%	0.000	95.526%	97.241%	92.636%	71.719%	108.886%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.634%	n/a
%RSD		0.633	0.442	0.000	0.178	1.246	0.307	2.279	1.496
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:24:26	19.040	19.240	20.560	100300.000	100300.000	20.530	19.250	19.930
2	12:25:09	19.350	19.000	20.690	99880.000	100500.000	19.630	18.910	19.850
3	12:25:52	19.490	19.590	21.030	100800.000	101400.000	20.080	19.610	19.400
x		96.484%	96.392%	90.264%	100.308%	100.749%	100.403%	96.289%	98.625%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.193	1.540	1.185	0.462	0.608	2.249	1.839	1.462
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:24:26	20.680	23.930	23.350	21.010	50.740	49.230	0.000	26.000
2	12:25:09	20.100	24.340	21.560	20.600	50.070	49.520	0.000	26.120
3	12:25:52	20.120	23.680	24.240	19.710	49.840	51.210	0.000	26.290
x		101.491%	95.918%	92.208%	102.190%	100.436%	99.973%	0.000	130.697%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.615	1.386	5.925	3.251	0.928	2.136	0.000	0.556
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:24:26	67.569%	2182.000	2190.000	70.165%	18.610	19.040	19.390	18.850
2	12:25:09	67.774%	2188.000	2211.000	69.999%	18.800	18.600	19.300	18.390
3	12:25:52	66.535%	2205.000	2229.000	69.670%	18.360	18.970	18.870	18.960
x		67.293%	109.584%	110.488%	69.945%	92.955%	94.354%	95.929%	93.677%
σ		0.664%	n/a	n/a	0.252%	n/a	n/a	n/a	n/a
%RSD		0.987	0.527	0.882	0.360	1.192	1.260	1.433	1.625
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:24:26	74.437%	99.970	19.230	19.310	20.230	20.020	74.534%	74.545%
2	12:25:09	74.536%	99.740	19.440	20.040	20.650	20.060	76.794%	76.647%
3	12:25:52	74.526%	100.600	20.040	19.760	20.300	20.370	76.554%	76.656%
x		74.500%	100.108%	97.855%	98.531%	101.966%	100.759%	75.961%	75.949%
σ		0.054%	n/a	n/a	n/a	n/a	n/a	1.241%	1.216%
%RSD		0.073	0.454	2.150	1.861	1.100	0.948	1.634	1.601
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	12:24:26	20.200	20.030	20.730	20.830	20.850	64.737%		
2	12:25:09	20.460	20.450	20.920	20.930	20.910	66.228%		
3	12:25:52	20.310	20.310	21.150	20.970	20.850	67.016%		
x		101.614%	101.320%	104.674%	104.554%	104.346%	65.994%		
σ		n/a	n/a	n/a	n/a	n/a	1.157%		
%RSD		0.647	1.070	1.010	0.344	0.160	1.754		

CCV 790243 5/7/2013 12:31:57 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:32:40	79.250%	-0.005	-1.972	-3.514	0.000	32.780	9.452	11.090
2	12:33:23	80.059%	0.010	-5.097	-5.066	0.000	34.140	11.400	11.640
3	12:34:06	75.865%	0.011	-4.948	-4.174	0.000	48.710	20.290	20.120
X		78.391%	0.005	-4.005	-4.251	0.000	38.550	13.710	14.280
σ		2.225%	0.009	1.763	0.779	0.000	8.828	5.777	5.061
%RSD		2.838	161.100	44.010	18.320	0.000	22.900	42.130	35.430
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:32:40	482000.000	144.400	0.000	24.070	529.300	30.990	74.762%	1.913
2	12:33:23	438600.000	132.600	0.000	26.320	590.700	34.910	74.170%	1.391
3	12:34:06	477500.000	142.300	0.000	38.740	652.300	48.700	69.881%	1.806
X		466000.000	139.800	0.000	29.710	590.700	38.200	72.938%	1.703
σ		23850.000	6.278	0.000	7.904	61.520	9.303	2.664%	0.276
%RSD		5.118	4.491	0.000	26.600	10.410	24.360	3.652	16.180
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:32:40	-346.100	21970.000	21580.000	531300.000	535800.000	9.544	10620.000	20190.000
2	12:33:23	-304.600	20180.000	19750.000	491900.000	495900.000	8.641	9632.000	18550.000
3	12:34:06	-371.300	21720.000	21490.000	530500.000	535000.000	9.574	10340.000	19760.000
X		-340.700	21290.000	20940.000	517900.000	522200.000	9.253	10200.000	19500.000
σ		33.710	966.400	1029.000	22510.000	22820.000	0.530	507.400	850.400
%RSD		9.895	4.539	4.912	4.346	4.370	5.727	4.977	4.361
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:32:40	20580.000	21030.000	21980.000	0.822	0.739	1.818	0.000	0.125
2	12:33:23	18970.000	19610.000	20550.000	0.435	0.291	0.773	0.000	0.128
3	12:34:06	20220.000	20840.000	21940.000	0.539	0.504	1.159	0.000	0.152
X		19920.000	20490.000	21490.000	0.599	0.511	1.250	0.000	0.135
σ		845.300	771.900	816.800	0.200	0.224	0.528	0.000	0.015
%RSD		4.243	3.767	3.801	33.420	43.770	42.270	0.000	10.870
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:32:40	68.266%	5.734	5.889	76.403%	0.277	0.260	0.191	0.100
2	12:33:23	68.723%	5.099	4.835	77.363%	0.217	0.206	0.062	0.061
3	12:34:06	65.730%	5.180	4.819	73.360%	0.216	0.261	0.041	0.067
X		67.573%	5.338	5.181	75.709%	0.237	0.242	0.098	0.076
σ		1.612%	0.346	0.614	2.090%	0.035	0.031	0.081	0.021
%RSD		2.386	6.478	11.840	2.760	14.750	12.800	82.650	27.870
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:32:40	84.660%	0.352	0.715	0.742	16150.000	16000.000	68.917%	68.122%
2	12:33:23	86.073%	0.251	0.727	0.759	14820.000	14740.000	71.882%	71.982%
3	12:34:06	81.630%	0.291	0.854	0.908	16030.000	15920.000	67.960%	68.922%
X		84.121%	0.298	0.765	0.803	15660.000	15550.000	69.587%	69.675%
σ		2.270%	0.051	0.077	0.091	733.800	704.200	2.045%	2.037%
%RSD		2.699	17.180	10.060	11.360	4.684	4.528	2.939	2.924
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	12:32:40	0.051	0.055	19580.000	21200.000	20700.000	67.578%		
2	12:33:23	0.040	0.034	16460.000	17580.000	17290.000	78.050%		
3	12:34:06	0.064	0.056	18870.000	20420.000	19930.000	69.945%		
X		0.052	0.048	18300.000	19740.000	19310.000	71.858%		
σ		0.012	0.013	1636.000	1905.000	1789.000	5.492%		
%RSD		22.880	26.510	8.938	9.655	9.265	7.643		

CCV 790244 5/7/2013 12:40:11 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:40:54	86.747%	-0.006	-9.076	-8.824	0.000	471400.000	912300.000	914500.000
2	12:41:37	90.339%	-0.007	-8.221	-9.367	0.000	480800.000	947900.000	948300.000
3	12:42:20	92.823%	-0.007	-8.638	-9.548	0.000	490300.000	954900.000	953700.000
X		89.970%	-0.007	-8.645	-9.247	0.000	480800.000	938400.000	938800.000
σ		3.055%	0.000	0.428	0.377	0.000	9482.000	22880.000	21290.000
%RSD		3.396	6.761	4.947	4.076	0.000	1.972	2.438	2.268
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:40:54	23.460	133.300	0.000	471100.000	938500.000	938600.000	97.019%	2.124
2	12:41:37	21.990	141.800	0.000	493200.000	985400.000	979100.000	100.134%	2.683
3	12:42:20	23.180	141.300	0.000	495000.000	985700.000	976800.000	106.143%	2.252
X		22.880	138.800	0.000	486400.000	969900.000	964900.000	101.098%	2.353
σ		0.779	4.745	0.000	13310.000	27140.000	22760.000	4.638%	0.293
%RSD		3.407	3.419	0.000	2.737	2.798	2.359	4.587	12.440
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:40:54	0.005	0.870	1.208	56.950	2507.000	0.830	-4.323	2.965
2	12:41:37	0.066	0.944	1.139	61.300	2551.000	0.738	-6.100	3.212
3	12:42:20	0.080	0.925	1.236	61.110	2687.000	0.781	-5.561	3.437
X		0.050	0.913	1.194	59.790	2582.000	0.783	-5.328	3.205
σ		0.040	0.038	0.050	2.458	93.960	0.046	0.911	0.236
%RSD		78.780	4.204	4.182	4.111	3.639	5.845	17.100	7.363
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:40:54	2.383	2.931	2.383	0.171	1.225	0.481	0.000	35.990
2	12:41:37	2.420	3.199	2.009	0.420	1.393	1.420	0.000	36.900
3	12:42:20	2.496	3.225	2.372	0.329	1.565	0.745	0.000	37.090
X		2.433	3.118	2.255	0.307	1.394	0.882	0.000	36.660
σ		0.058	0.163	0.213	0.126	0.170	0.484	0.000	0.585
%RSD		2.370	5.214	9.430	41.100	12.190	54.860	0.000	1.595
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:40:54	106.233%	1.969	0.997	86.887%	0.121	0.098	0.304	0.172
2	12:41:37	111.260%	2.231	1.115	90.877%	0.109	0.105	0.132	0.072
3	12:42:20	116.277%	2.308	1.089	95.845%	0.151	0.128	0.131	0.075
X		111.257%	2.169	1.067	91.203%	0.127	0.110	0.189	0.106
σ		5.022%	0.177	0.062	4.488%	0.022	0.016	0.100	0.057
%RSD		4.514	8.177	5.839	4.921	17.010	14.250	52.930	53.460
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:40:54	96.349%	0.445	0.491	0.467	2.071	1.698	104.990%	104.270%
2	12:41:37	102.852%	0.309	0.460	0.523	1.806	1.746	108.565%	109.388%
3	12:42:20	107.932%	0.285	0.421	0.477	1.846	1.917	113.129%	113.731%
X		102.378%	0.346	0.457	0.489	1.907	1.787	108.895%	109.130%
σ		5.806%	0.086	0.035	0.030	0.143	0.115	4.079%	4.736%
%RSD		5.671	24.920	7.682	6.163	7.496	6.425	3.746	4.340
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	12:40:54	0.077	0.081	1.528	1.626	1.584	66.765%		
2	12:41:37	0.073	0.076	1.270	1.235	1.300	80.368%		
3	12:42:20	0.071	0.069	1.361	1.363	1.341	83.162%		
X		0.074	0.075	1.386	1.408	1.408	76.765%		
σ		0.003	0.006	0.131	0.200	0.153	8.773%		
%RSD		4.015	8.245	9.410	14.170	10.890	11.428		

CCV 801624 5/7/2013 12:48:24 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:49:07	91.523%	106.500	89.530	89.670	0.000	50260.000	51410.000	51400.000
2	12:49:50	94.714%	99.730	85.960	84.550	0.000	47990.000	49020.000	48640.000
3	12:50:33	93.220%	105.600	87.030	88.830	0.000	50090.000	50790.000	50940.000
x		93.152%	103.932%	87.505%	87.683%	0.000	98.900%	100.808%	100.648%
σ		1.597%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.714	3.529	2.091	3.130	0.000	2.556	2.464	2.943
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:49:07	530.900	5358.000	0.000	49850.000	49250.000	46690.000	93.727%	104.900
2	12:49:50	494.700	5039.000	0.000	47630.000	46820.000	44880.000	94.962%	98.110
3	12:50:33	515.200	5268.000	0.000	49890.000	49810.000	46740.000	93.559%	101.600
x		102.720%	104.431%	0.000	98.247%	97.250%	92.208%	94.083%	101.549%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.766%	n/a
%RSD		3.528	3.147	0.000	2.627	3.266	2.306	0.814	3.368
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:49:07	100.400	99.880	492.000	25040.000	25190.000	100.700	103.500	106.100
2	12:49:50	93.720	93.990	472.100	23780.000	23740.000	95.080	97.540	100.600
3	12:50:33	101.400	99.760	495.600	24980.000	24930.000	100.600	103.800	105.200
x		98.497%	97.878%	97.313%	98.391%	98.478%	98.789%	101.610%	103.940%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		4.237	3.440	2.602	2.896	3.148	3.253	3.470	2.831
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:49:07	104.600	105.300	103.800	101.500	103.800	102.100	0.000	96.070
2	12:49:50	98.840	98.490	99.790	93.950	96.100	92.550	0.000	91.130
3	12:50:33	103.400	104.100	101.800	103.000	104.500	98.820	0.000	96.110
x		102.257%	102.632%	101.791%	99.472%	101.493%	97.833%	0.000	94.436%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		2.955	3.535	1.989	4.871	4.617	4.968	0.000	3.030
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:49:07	93.141%	103.700	104.000	89.820%	99.350	100.800	101.500	101.400
2	12:49:50	96.917%	97.220	99.110	93.256%	93.800	94.860	95.850	95.410
3	12:50:33	95.733%	103.900	106.100	91.602%	99.510	100.200	99.500	100.700
x		95.264%	101.590%	103.082%	91.559%	97.555%	98.596%	98.953%	99.173%
σ		1.931%	n/a	n/a	1.719%	n/a	n/a	n/a	n/a
%RSD		2.028	3.723	3.489	1.877	3.332	3.292	2.905	3.305
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:49:07	87.809%	100.400	101.500	100.800	100.700	99.360	90.237%	90.589%
2	12:49:50	92.822%	95.680	95.230	96.870	92.780	94.340	94.591%	95.644%
3	12:50:33	90.958%	101.500	102.000	102.300	100.500	98.850	92.706%	93.664%
x		90.530%	99.179%	99.573%	99.970%	97.977%	97.516%	92.511%	93.299%
σ		2.534%	n/a	n/a	n/a	n/a	n/a	2.183%	2.547%
%RSD		2.799	3.100	3.781	2.782	4.596	2.830	2.360	2.730
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	12:49:07	97.050	96.870	97.500	98.050	97.680	79.367%		
2	12:49:50	91.220	90.780	91.610	90.690	91.080	85.323%		
3	12:50:33	96.090	95.990	97.970	96.870	97.240	83.442%		
x		94.784%	94.544%	95.694%	95.200%	95.335%	82.711%		
σ		n/a	n/a	n/a	n/a	n/a	3.045%		
%RSD		3.299	3.482	3.702	4.152	3.870	3.681		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:57:22	115.603%	0.001	-10.280	-9.285	0.000	9.023	11.280	10.040
2	12:58:05	114.495%	0.001	-8.616	-9.120	0.000	13.230	18.140	17.960
3	12:58:48	111.274%	0.022	-10.450	-9.394	0.000	15.630	19.310	18.960
X		113.790%	0.008	-9.780	-9.266	0.000	12.630	16.240	15.660
σ		2.249%	0.012	1.011	0.138	0.000	3.343	4.340	4.886
%RSD		1.976	157.200	10.340	1.490	0.000	26.480	26.720	31.210
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:57:22	2.236	-0.435	0.000	12.900	21.600	8.603	119.710%	-0.235
2	12:58:05	3.244	0.452	0.000	16.480	13.310	14.560	118.760%	-0.183
3	12:58:48	3.443	-1.436	0.000	17.040	13.330	18.650	118.780%	-0.106
X		2.974	-0.473	0.000	15.480	16.080	13.940	119.083%	-0.175
σ		0.647	0.944	0.000	2.246	4.781	5.052	0.543%	0.065
%RSD		21.760	199.700	0.000	14.510	29.730	36.250	0.456	37.340
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:57:22	0.034	0.065	0.239	13.260	7.753	0.005	0.028	0.059
2	12:58:05	0.020	0.109	0.330	14.160	6.874	0.005	0.043	0.074
3	12:58:48	0.030	0.116	0.298	13.800	7.863	0.025	0.043	0.113
X		0.028	0.097	0.289	13.740	7.496	0.011	0.038	0.082
σ		0.007	0.028	0.046	0.453	0.542	0.012	0.009	0.028
%RSD		25.210	29.020	16.050	3.293	7.232	102.300	22.600	33.590
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:57:22	0.114	0.067	0.102	-0.067	0.195	-0.148	0.000	0.011
2	12:58:05	0.057	0.049	0.182	0.030	0.304	0.008	0.000	0.018
3	12:58:48	0.100	0.057	0.041	-0.154	0.356	-0.347	0.000	0.017
X		0.090	0.058	0.108	-0.064	0.285	-0.162	0.000	0.015
σ		0.030	0.009	0.071	0.092	0.082	0.178	0.000	0.004
%RSD		32.740	16.250	65.370	144.000	28.680	109.600	0.000	24.580
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:57:22	119.186%	0.413	0.436	120.650%	0.004	-0.002	0.139	0.104
2	12:58:05	121.472%	0.470	0.501	122.220%	0.007	0.004	0.097	0.063
3	12:58:48	121.751%	0.468	0.367	122.806%	-0.002	0.010	0.063	0.042
X		120.803%	0.450	0.435	121.892%	0.003	0.004	0.100	0.070
σ		1.407%	0.032	0.067	1.115%	0.004	0.006	0.038	0.032
%RSD		1.165	7.203	15.450	0.915	148.400	154.400	38.470	45.950
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:57:22	116.728%	0.145	0.040	0.078	-0.008	0.036	112.377%	111.368%
2	12:58:05	120.020%	0.101	0.045	0.034	0.038	0.069	114.693%	115.729%
3	12:58:48	119.283%	0.096	0.040	0.080	0.058	0.061	115.827%	115.941%
X		118.677%	0.114	0.042	0.064	0.029	0.055	114.299%	114.346%
σ		1.728%	0.027	0.003	0.026	0.034	0.017	1.759%	2.581%
%RSD		1.456	23.720	7.046	40.810	115.700	31.280	1.539	2.257
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	12:57:22	0.011	0.011	0.080	0.064	0.069	111.874%		
2	12:58:05	0.015	0.012	0.103	0.091	0.096	115.419%		
3	12:58:48	0.011	0.009	0.102	0.112	0.101	115.491%		
X		0.012	0.011	0.095	0.089	0.089	114.261%		
σ		0.002	0.002	0.013	0.024	0.017	2.068%		
%RSD		20.050	15.160	14.140	27.060	19.700	1.810		

MB 180-69392/1-A

5/7/2013 1:04:52 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:05:35	115.666%	0.001	-9.735	-9.387	0.000	10.280	8.435	9.171
2	13:06:18	112.409%	-0.009	-10.740	-10.170	0.000	14.470	9.563	10.560
3	13:07:01	111.661%	0.001	-10.360	-10.030	0.000	16.540	12.630	12.600
X		113.246%	-0.002	-10.280	-9.862	0.000	13.760	10.210	10.780
σ		2.130%	0.006	0.505	0.417	0.000	3.186	2.174	1.726
%RSD		1.880	245.000	4.916	4.232	0.000	23.150	21.290	16.020
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:05:35	1.484	1.050	0.000	8.988	15.340	26.150	119.265%	0.177
2	13:06:18	2.048	1.096	0.000	10.550	21.910	26.360	118.494%	0.309
3	13:07:01	2.765	0.968	0.000	13.990	33.530	23.440	115.541%	-0.230
X		2.099	1.038	0.000	11.180	23.590	25.310	117.767%	0.085
σ		0.642	0.065	0.000	2.562	9.211	1.627	1.965%	0.281
%RSD		30.580	6.241	0.000	22.920	39.050	6.426	1.669	329.400
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:05:35	0.009	0.055	0.115	12.130	7.344	-0.001	0.022	0.145
2	13:06:18	0.030	0.064	0.188	10.990	7.017	0.002	0.052	0.163
3	13:07:01	0.016	0.036	0.291	11.990	6.594	0.004	0.038	0.108
X		0.018	0.051	0.198	11.700	6.985	0.001	0.037	0.138
σ		0.011	0.014	0.088	0.621	0.376	0.002	0.015	0.028
%RSD		59.030	27.890	44.730	5.303	5.383	157.200	40.940	20.310
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:05:35	0.187	0.597	0.630	0.014	0.003	-0.025	0.000	0.072
2	13:06:18	0.142	0.542	0.638	-0.101	0.060	-0.488	0.000	0.076
3	13:07:01	0.177	0.439	0.443	-0.145	0.200	-0.293	0.000	0.075
X		0.168	0.526	0.570	-0.077	0.088	-0.269	0.000	0.074
σ		0.024	0.080	0.110	0.082	0.101	0.232	0.000	0.002
%RSD		14.040	15.210	19.320	106.600	115.700	86.510	0.000	2.897
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:05:35	114.815%	0.382	0.404	115.064%	-0.002	-0.003	0.135	0.067
2	13:06:18	116.383%	0.393	0.388	115.956%	-0.005	-0.002	0.117	0.090
3	13:07:01	116.144%	0.378	0.326	116.700%	0.003	-0.003	0.196	0.151
X		115.781%	0.384	0.372	115.907%	-0.001	-0.003	0.149	0.103
σ		0.845%	0.008	0.041	0.819%	0.004	0.001	0.041	0.043
%RSD		0.730	1.980	11.070	0.706	273.500	28.960	27.750	42.040
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:05:35	111.810%	1.487	0.033	0.033	0.088	0.144	107.598%	106.461%
2	13:06:18	113.478%	1.328	0.027	0.057	0.142	0.177	110.455%	110.405%
3	13:07:01	113.962%	1.283	0.016	0.036	0.155	0.204	110.878%	110.067%
X		113.083%	1.366	0.025	0.042	0.129	0.175	109.643%	108.978%
σ		1.129%	0.108	0.009	0.013	0.035	0.030	1.784%	2.186%
%RSD		0.998	7.869	34.870	31.190	27.570	17.110	1.627	2.006
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	13:05:35	0.014	0.006	0.019	0.011	0.020	105.144%		
2	13:06:18	0.008	0.009	0.036	0.037	0.034	108.718%		
3	13:07:01	0.011	0.005	0.034	0.049	0.042	108.929%		
X		0.011	0.007	0.029	0.032	0.032	107.597%		
σ		0.003	0.002	0.009	0.019	0.011	2.127%		
%RSD		29.220	30.780	32.020	60.410	34.460	1.977		

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5/7/2013 1:13:02 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:13:45	98.947%	41.500	775.600	783.200	0.000	45470.000	45750.000	45450.000
2	13:14:28	92.380%	42.020	815.400	815.300	0.000	45740.000	46270.000	45850.000
3	13:15:11	93.121%	42.440	813.900	813.400	0.000	45960.000	46320.000	46060.000
x		94.816%	41.980	801.600	804.000	0.000	45720.000	46110.000	45790.000
σ		3.597%	0.469	22.600	18.020	0.000	244.800	317.900	309.800
%RSD		3.793	1.118	2.819	2.241	0.000	0.535	0.689	0.676
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:13:45	1902.000	4554.000	0.000	45740.000	45830.000	43250.000	95.156%	951.600
2	13:14:28	1901.000	4536.000	0.000	44870.000	45800.000	42170.000	91.963%	926.700
3	13:15:11	1908.000	4564.000	0.000	45330.000	45840.000	43220.000	90.286%	942.400
x		1904.000	4551.000	0.000	45310.000	45820.000	42880.000	92.469%	940.200
σ		3.989	14.060	0.000	438.400	23.490	615.200	2.474%	12.620
%RSD		0.209	0.309	0.000	0.968	0.051	1.435	2.676	1.342
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:13:45	477.600	186.500	458.100	1073.000	1228.000	488.400	494.400	249.300
2	13:14:28	463.100	182.800	457.600	1067.000	1199.000	478.100	481.800	244.200
3	13:15:11	469.400	186.500	466.500	1073.000	1188.000	477.900	481.200	244.400
x		470.000	185.300	460.800	1071.000	1205.000	481.500	485.800	246.000
σ		7.251	2.142	5.001	3.143	21.010	6.040	7.465	2.879
%RSD		1.543	1.156	1.085	0.293	1.743	1.254	1.537	1.170
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:13:45	252.200	417.000	416.100	34.520	7.810	8.608	0.000	1005.000
2	13:14:28	247.000	410.800	408.800	33.950	7.842	8.029	0.000	986.300
3	13:15:11	250.100	415.300	413.200	34.540	7.961	8.315	0.000	992.600
x		249.800	414.400	412.700	34.340	7.871	8.317	0.000	994.600
σ		2.628	3.206	3.691	0.332	0.080	0.289	0.000	9.528
%RSD		1.052	0.774	0.894	0.968	1.014	3.480	0.000	0.958
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:13:45	78.648%	1045.000	1029.000	79.967%	47.540	47.690	42.890	38.570
2	13:14:28	79.317%	1021.000	1025.000	81.174%	46.630	46.200	42.800	37.430
3	13:15:11	78.870%	1040.000	1039.000	79.620%	46.750	47.660	42.090	36.780
x		78.945%	1035.000	1031.000	80.254%	46.970	47.180	42.590	37.600
σ		0.341%	12.890	7.303	0.816%	0.495	0.854	0.436	0.909
%RSD		0.432	1.246	0.708	1.016	1.054	1.809	1.023	2.418
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:13:45	79.415%	1920.000	429.900	430.000	1908.000	1877.000	83.958%	88.554%
2	13:14:28	80.503%	1903.000	423.500	428.900	1884.000	1844.000	85.947%	91.224%
3	13:15:11	80.990%	1914.000	433.600	430.500	1887.000	1869.000	85.751%	92.300%
x		80.302%	1913.000	429.000	429.800	1893.000	1863.000	85.219%	90.693%
σ		0.806%	8.556	5.094	0.795	13.130	17.420	1.096%	1.929%
%RSD		1.004	0.447	1.187	0.185	0.693	0.935	1.286	2.127
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	13:13:45	46.210	46.940	18.320	20.090	19.090	68.044%		
2	13:14:28	49.010	49.260	18.830	20.990	20.090	65.714%		
3	13:15:11	49.650	49.430	18.800	21.300	20.250	66.365%		
x		48.290	48.540	18.650	20.790	19.810	66.708%		
σ		1.829	1.387	0.285	0.626	0.629	1.202%		
%RSD		3.788	2.857	1.529	3.012	3.176	1.802		

240-22756-B-9-A 5/7/2013 1:21:12 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:21:55	89.988%	4.155	31.180	27.960	0.000	425.100	14360.000	14240.000
2	13:22:38	87.005%	4.038	28.140	27.320	0.000	425.400	14260.000	14300.000
3	13:23:21	84.858%	3.983	27.620	27.720	0.000	425.200	14150.000	14170.000
x		87.284%	4.059	28.980	27.660	0.000	425.200	14260.000	14240.000
σ		2.576%	0.087	1.922	0.320	0.000	0.127	100.600	68.280
%RSD		2.951	2.154	6.633	1.156	0.000	0.030	0.706	0.480
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:21:55	76900.000	5324.000	0.000	9264.000	7658.000	6789.000	89.704%	839.200
2	13:22:38	77120.000	5265.000	0.000	9197.000	7426.000	6822.000	85.440%	825.600
3	13:23:21	76740.000	5269.000	0.000	9224.000	7330.000	6844.000	82.027%	837.000
x		76920.000	5286.000	0.000	9228.000	7471.000	6819.000	85.724%	833.900
σ		192.200	32.880	0.000	33.740	168.700	27.870	3.846%	7.301
%RSD		0.250	0.622	0.000	0.366	2.258	0.409	4.487	0.875
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:21:55	152.700	93.970	1651.000	127600.000	128800.000	61.930	128.400	123.200
2	13:22:38	154.400	93.250	1706.000	128100.000	128800.000	60.670	128.000	120.900
3	13:23:21	152.200	92.000	1677.000	128900.000	129700.000	61.360	128.000	120.700
x		153.100	93.070	1678.000	128200.000	129100.000	61.320	128.100	121.600
σ		1.138	0.997	27.520	640.900	534.800	0.633	0.231	1.394
%RSD		0.743	1.071	1.640	0.500	0.414	1.033	0.180	1.146
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:21:55	122.900	342.000	337.700	565.400	2.393	3.481	0.000	1709.000
2	13:22:38	122.400	337.000	339.000	553.300	2.387	2.949	0.000	1661.000
3	13:23:21	123.000	341.700	340.700	560.000	2.437	3.716	0.000	1679.000
x		122.800	340.200	339.100	559.600	2.406	3.382	0.000	1683.000
σ		0.306	2.850	1.510	6.034	0.028	0.393	0.000	24.030
%RSD		0.249	0.838	0.445	1.078	1.146	11.620	0.000	1.428
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:21:55	0.000	620.200	619.800	80.452%	0.310	0.235	2.186	1.808
2	13:22:38	0.000	618.000	622.900	79.037%	0.312	0.238	1.375	1.219
3	13:23:21	0.000	627.700	624.300	75.430%	0.321	0.262	1.523	1.152
x		0.000	621.900	622.300	78.306%	0.314	0.245	1.695	1.393
σ		0.000	5.081	2.276	2.590%	0.006	0.015	0.432	0.361
%RSD		0.000	0.817	0.366	3.307	1.816	6.094	25.480	25.920
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:21:55	82.681%	3.859	0.635	0.635	453.200	444.300	84.734%	84.563%
2	13:22:38	80.939%	3.785	0.569	0.599	448.300	438.800	85.005%	84.141%
3	13:23:21	79.561%	3.188	0.571	0.782	446.100	440.700	80.978%	82.045%
x		81.060%	3.611	0.592	0.672	449.200	441.300	83.572%	83.583%
σ		1.563%	0.368	0.038	0.097	3.636	2.839	2.251%	1.348%
%RSD		1.929	10.200	6.376	14.440	0.809	0.643	2.694	1.613
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	13:21:55	1.174	1.114	171.500	170.000	171.100	71.013%		
2	13:22:38	1.126	1.119	175.000	172.700	173.600	70.116%		
3	13:23:21	1.148	1.149	173.300	170.100	171.100	68.869%		
x		1.150	1.127	173.300	171.000	172.000	69.999%		
σ		0.024	0.019	1.749	1.540	1.452	1.077%		
%RSD		2.114	1.706	1.009	0.901	0.844	1.539		

240-22804-E-4-A

5/7/2013 1:29:22 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:30:05	85.558%	5.477	55.990	55.980	0.000	1020.000	68150.000	68420.000
2	13:30:48	84.829%	4.910	52.450	55.720	0.000	978.200	66620.000	66750.000
3	13:31:31	83.115%	4.941	56.630	58.070	0.000	1016.000	68750.000	68620.000
X		84.501%	5.109	55.030	56.590	0.000	1005.000	67840.000	67930.000
σ		1.254%	0.319	2.250	1.284	0.000	23.170	1097.000	1025.000
%RSD		1.484	6.239	4.089	2.269	0.000	2.306	1.617	1.508
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:30:05	104000.000	5071.000	0.000	18260.000	273000.000	273700.000	89.787%	912.200
2	13:30:48	101100.000	4890.000	0.000	18110.000	270100.000	266800.000	87.428%	890.900
3	13:31:31	104000.000	5018.000	0.000	18480.000	272000.000	270200.000	86.236%	912.100
X		103100.000	4993.000	0.000	18280.000	271700.000	270200.000	87.817%	905.100
σ		1668.000	93.010	0.000	187.000	1478.000	3485.000	1.807%	12.300
%RSD		1.619	1.863	0.000	1.023	0.544	1.290	2.058	1.359
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:30:05	166.300	158.300	2959.000	205800.000	208700.000	99.060	244.100	149.600
2	13:30:48	163.200	155.700	2946.000	203700.000	206000.000	96.240	236.300	148.200
3	13:31:31	167.800	159.400	2998.000	207200.000	209600.000	98.960	241.300	150.800
X		165.800	157.800	2968.000	205600.000	208100.000	98.090	240.500	149.500
σ		2.310	1.926	27.350	1777.000	1890.000	1.598	3.963	1.277
%RSD		1.393	1.220	0.921	0.865	0.908	1.629	1.648	0.854
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:30:05	153.300	438.800	441.400	69.390	1.517	2.285	0.000	473.700
2	13:30:48	149.000	433.700	437.800	68.400	1.830	2.018	0.000	475.700
3	13:31:31	151.000	442.000	440.600	70.590	1.637	2.261	0.000	484.300
X		151.100	438.200	439.900	69.460	1.661	2.188	0.000	477.900
σ		2.165	4.178	1.930	1.096	0.158	0.147	0.000	5.667
%RSD		1.433	0.953	0.439	1.578	9.486	6.740	0.000	1.186
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:30:05	0.000	10.910	11.320	77.281%	0.331	0.164	1.842	1.474
2	13:30:48	0.000	11.430	10.920	76.760%	0.281	0.191	1.497	1.079
3	13:31:31	0.000	11.330	11.010	75.493%	0.344	0.181	1.824	1.337
X		0.000	11.220	11.080	76.511%	0.318	0.178	1.721	1.297
σ		0.000	0.278	0.211	0.920%	0.033	0.014	0.194	0.201
%RSD		0.000	2.480	1.908	1.202	10.420	7.736	11.270	15.460
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:30:05	83.473%	1.433	0.126	0.134	573.300	565.000	86.332%	85.270%
2	13:30:48	82.197%	1.514	0.135	0.136	576.200	563.000	86.800%	84.951%
3	13:31:31	82.325%	1.364	0.120	0.157	575.200	569.200	86.079%	85.334%
X		82.665%	1.437	0.127	0.142	574.900	565.700	86.404%	85.185%
σ		0.703%	0.075	0.008	0.013	1.506	3.190	0.366%	0.205%
%RSD		0.850	5.223	5.952	9.287	0.262	0.564	0.423	0.241
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	13:30:05	1.560	1.608	91.580	89.350	90.870	67.461%		
2	13:30:48	1.546	1.584	91.410	90.890	91.740	68.197%		
3	13:31:31	1.566	1.590	93.210	91.800	92.660	66.771%		
X		1.557	1.594	92.070	90.680	91.750	67.476%		
σ		0.010	0.012	0.994	1.236	0.898	0.713%		
%RSD		0.651	0.773	1.080	1.363	0.979	1.057		

240-22852-F-1-B

5/7/2013 1:37:32 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:38:15	83.202%	6.866	45.130	46.900	0.000	1110.000	77220.000	76440.000
2	13:38:58	81.579%	6.260	41.640	44.830	0.000	1081.000	74740.000	75170.000
3	13:39:41	80.854%	6.561	45.450	44.540	0.000	1073.000	74410.000	74270.000
X		81.879%	6.562	44.070	45.420	0.000	1088.000	75460.000	75290.000
σ		1.202%	0.303	2.113	1.285	0.000	19.370	1536.000	1094.000
%RSD		1.468	4.612	4.794	2.828	0.000	1.781	2.036	1.453
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:38:15	120300.000	4371.000	0.000	16190.000	277900.000	276000.000	88.139%	1163.000
2	13:38:58	118300.000	4290.000	0.000	16270.000	278500.000	276300.000	86.301%	1148.000
3	13:39:41	116100.000	4247.000	0.000	15870.000	274200.000	273200.000	84.922%	1140.000
X		118200.000	4303.000	0.000	16110.000	276900.000	275200.000	86.454%	1150.000
σ		2094.000	63.160	0.000	213.600	2338.000	1706.000	1.614%	12.140
%RSD		1.772	1.468	0.000	1.326	0.845	0.620	1.867	1.055
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:38:15	193.400	178.700	4228.000	262300.000	264500.000	125.600	296.000	193.900
2	13:38:58	193.900	178.200	4216.000	262100.000	264400.000	124.300	289.100	190.100
3	13:39:41	189.400	176.200	4211.000	260100.000	261900.000	122.500	284.900	189.200
X		192.300	177.700	4218.000	261500.000	263600.000	124.100	290.000	191.100
σ		2.453	1.333	8.854	1212.000	1475.000	1.578	5.639	2.475
%RSD		1.276	0.750	0.210	0.464	0.560	1.272	1.945	1.295
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:38:15	197.400	506.600	497.400	99.050	2.113	2.899	0.000	518.800
2	13:38:58	190.400	496.000	497.000	99.300	2.200	3.375	0.000	522.300
3	13:39:41	189.100	495.500	497.300	99.510	1.215	3.181	0.000	520.700
X		192.300	499.400	497.300	99.290	1.843	3.152	0.000	520.600
σ		4.474	6.254	0.207	0.234	0.545	0.239	0.000	1.752
%RSD		2.326	1.252	0.042	0.236	29.590	7.599	0.000	0.337
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:38:15	0.000	14.780	14.970	76.017%	0.357	0.166	2.508	1.786
2	13:38:58	0.000	15.240	14.750	75.507%	0.330	0.188	2.085	1.616
3	13:39:41	0.000	15.250	14.750	74.851%	0.412	0.186	2.102	1.602
X		0.000	15.090	14.820	75.458%	0.366	0.180	2.232	1.668
σ		0.000	0.265	0.123	0.585%	0.042	0.012	0.239	0.102
%RSD		0.000	1.757	0.827	0.775	11.400	6.813	10.720	6.135
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:38:15	82.577%	1.013	0.191	0.116	807.100	796.900	88.651%	86.814%
2	13:38:58	82.394%	1.003	0.120	0.196	796.200	782.800	90.096%	87.937%
3	13:39:41	82.033%	1.034	0.155	0.156	801.100	782.700	90.395%	87.381%
X		82.335%	1.017	0.155	0.156	801.500	787.500	89.714%	87.377%
σ		0.277%	0.016	0.036	0.040	5.491	8.220	0.933%	0.561%
%RSD		0.336	1.566	23.140	25.770	0.685	1.044	1.040	0.643
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	13:38:15	1.724	1.721	120.700	117.900	119.100	66.509%		
2	13:38:58	1.708	1.753	121.000	119.000	120.100	67.021%		
3	13:39:41	1.752	1.749	120.000	116.800	118.300	68.063%		
X		1.728	1.741	120.600	117.900	119.200	67.198%		
σ		0.022	0.017	0.496	1.053	0.926	0.792%		
%RSD		1.279	0.981	0.411	0.893	0.777	1.179		

240-22852-F-1-B SD@5

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:46:26	111.710%	1.411	0.295	-0.391	0.000	212.600	15250.000	15140.000
2	13:47:09	106.350%	1.417	-0.489	0.431	0.000	214.500	15040.000	15060.000
3	13:47:52	105.568%	1.354	0.047	0.539	0.000	214.400	14920.000	14890.000
X		107.876%	1.394	-0.049	0.193	0.000	213.800	15070.000	15030.000
σ		3.343%	0.035	0.401	0.509	0.000	1.067	165.900	127.600
%RSD		3.099	2.513	818.600	263.100	0.000	0.499	1.101	0.849
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:46:26	24390.000	944.900	0.000	3273.000	56240.000	53180.000	110.058%	232.300
2	13:47:09	24050.000	951.700	0.000	3249.000	54940.000	52390.000	106.123%	239.300
3	13:47:52	23850.000	922.000	0.000	3272.000	56020.000	52640.000	103.243%	232.200
X		24090.000	939.500	0.000	3265.000	55730.000	52740.000	106.475%	234.600
σ		269.900	15.550	0.000	13.260	695.400	403.700	3.421%	4.056
%RSD		1.120	1.655	0.000	0.406	1.248	0.765	3.213	1.729
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:46:26	38.970	36.590	835.000	54100.000	54390.000	26.410	66.090	45.070
2	13:47:09	39.060	36.510	835.200	54220.000	54360.000	26.500	64.490	44.090
3	13:47:52	39.350	36.620	854.400	54760.000	54590.000	26.370	64.350	44.330
X		39.130	36.570	841.500	54360.000	54450.000	26.430	64.970	44.500
σ		0.199	0.059	11.140	349.100	124.300	0.065	0.965	0.507
%RSD		0.508	0.162	1.323	0.642	0.228	0.248	1.486	1.140
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:46:26	46.160	123.900	125.000	23.600	0.593	0.747	0.000	96.460
2	13:47:09	44.970	121.700	126.000	23.910	0.637	1.104	0.000	97.440
3	13:47:52	44.480	126.900	126.600	23.910	0.719	1.102	0.000	97.810
X		45.200	124.200	125.900	23.800	0.650	0.984	0.000	97.240
σ		0.862	2.613	0.825	0.181	0.064	0.205	0.000	0.698
%RSD		1.906	2.105	0.656	0.758	9.790	20.880	0.000	0.718
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:46:26	0.000	2.622	2.863	102.063%	0.068	0.054	0.620	0.411
2	13:47:09	0.000	2.735	2.739	100.518%	0.082	0.030	0.464	0.400
3	13:47:52	0.000	2.837	2.840	99.680%	0.088	0.031	0.416	0.326
X		0.000	2.731	2.814	100.754%	0.079	0.039	0.500	0.379
σ		0.000	0.108	0.066	1.209%	0.010	0.014	0.107	0.046
%RSD		0.000	3.947	2.358	1.200	12.910	35.250	21.360	12.230
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:46:26	102.489%	0.278	0.028	0.017	162.500	162.500	99.387%	98.935%
2	13:47:09	102.181%	0.289	0.051	0.017	164.200	160.100	100.904%	100.949%
3	13:47:52	100.304%	0.277	0.035	0.015	162.900	160.800	101.314%	100.999%
X		101.658%	0.281	0.038	0.017	163.200	161.100	100.535%	100.294%
σ		1.183%	0.007	0.011	0.001	0.888	1.219	1.015%	1.177%
%RSD		1.164	2.426	29.790	7.008	0.544	0.756	1.010	1.174
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	13:46:26	0.304	0.359	23.520	22.750	23.190	83.781%		
2	13:47:09	0.314	0.332	23.630	22.860	23.400	84.591%		
3	13:47:52	0.337	0.341	24.080	23.630	23.810	84.142%		
X		0.318	0.344	23.740	23.080	23.470	84.171%		
σ		0.017	0.013	0.297	0.478	0.317	0.406%		
%RSD		5.371	3.910	1.252	2.072	1.351	0.482		

240-22852-A-1-D DU

5/7/2013 1:53:54 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:54:37	86.514%	6.424	45.880	47.090	0.000	1110.000	81410.000	80610.000
2	13:55:20	80.741%	6.225	44.690	49.850	0.000	1128.000	82930.000	82630.000
3	13:56:03	79.926%	6.547	50.740	49.430	0.000	1114.000	81560.000	81970.000
X		82.394%	6.398	47.100	48.790	0.000	1117.000	81970.000	81740.000
σ		3.591%	0.163	3.204	1.487	0.000	9.019	834.600	1033.000
%RSD		4.359	2.541	6.801	3.048	0.000	0.807	1.018	1.263
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:54:37	120400.000	5833.000	0.000	16620.000	273600.000	274700.000	90.311%	1207.000
2	13:55:20	121700.000	5951.000	0.000	16860.000	278200.000	278900.000	85.755%	1210.000
3	13:56:03	120000.000	5897.000	0.000	16760.000	277600.000	275300.000	84.706%	1198.000
X		120700.000	5893.000	0.000	16750.000	276500.000	276300.000	86.924%	1205.000
σ		887.800	59.060	0.000	120.300	2488.000	2276.000	2.980%	6.036
%RSD		0.736	1.002	0.000	0.718	0.900	0.824	3.428	0.501
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:54:37	197.700	178.500	3994.000	256900.000	259700.000	126.700	287.700	193.600
2	13:55:20	196.700	177.400	4036.000	258100.000	261200.000	125.800	282.800	192.600
3	13:56:03	194.200	179.400	4072.000	259200.000	261300.000	126.200	284.200	191.800
X		196.200	178.400	4034.000	258000.000	260700.000	126.200	284.900	192.700
σ		1.800	1.020	39.070	1173.000	859.400	0.447	2.506	0.870
%RSD		0.918	0.572	0.969	0.455	0.330	0.354	0.880	0.452
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:54:37	197.600	499.700	490.400	101.800	1.907	3.297	0.000	497.200
2	13:55:20	193.100	494.500	499.900	100.100	1.734	2.783	0.000	498.800
3	13:56:03	193.700	500.000	502.200	99.000	1.216	3.252	0.000	498.600
X		194.800	498.100	497.500	100.300	1.619	3.111	0.000	498.200
σ		2.402	3.070	6.223	1.417	0.359	0.284	0.000	0.909
%RSD		1.233	0.616	1.251	1.413	22.190	9.147	0.000	0.183
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:54:37	0.000	14.630	13.950	74.975%	0.409	0.206	2.538	1.787
2	13:55:20	0.000	14.150	14.540	74.106%	0.429	0.246	1.948	1.615
3	13:56:03	0.000	14.280	14.480	73.521%	0.353	0.190	2.150	1.737
X		0.000	14.350	14.320	74.201%	0.397	0.214	2.212	1.713
σ		0.000	0.246	0.327	0.732%	0.039	0.029	0.300	0.088
%RSD		0.000	1.714	2.285	0.986	9.813	13.540	13.560	5.148
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:54:37	80.143%	0.949	0.167	0.149	792.700	785.100	85.348%	83.512%
2	13:55:20	80.859%	0.933	0.115	0.163	785.800	767.700	87.700%	84.647%
3	13:56:03	80.028%	0.998	0.134	0.129	794.300	783.100	88.004%	85.865%
X		80.343%	0.960	0.139	0.147	791.000	778.600	87.018%	84.675%
σ		0.450%	0.034	0.027	0.017	4.539	9.538	1.454%	1.177%
%RSD		0.560	3.519	19.220	11.500	0.574	1.225	1.671	1.390
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	13:54:37	1.706	1.753	120.600	118.400	119.700	62.098%		
2	13:55:20	1.777	1.737	120.000	117.300	118.600	63.738%		
3	13:56:03	1.708	1.736	120.100	117.200	118.600	64.627%		
X		1.730	1.742	120.200	117.600	119.000	63.488%		
σ		0.041	0.010	0.330	0.694	0.668	1.283%		
%RSD		2.342	0.568	0.274	0.590	0.561	2.021		

240-22852-A-1-E MS

5/7/2013 2:02:05 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:02:48	79.182%	46.740	839.500	863.000	0.000	47270.000	125300.000	125000.000
2	14:03:31	77.419%	46.960	849.900	866.600	0.000	47170.000	125800.000	125500.000
3	14:04:14	76.556%	46.480	849.200	862.800	0.000	46660.000	124400.000	124000.000
X		77.719%	46.730	846.200	864.100	0.000	47030.000	125200.000	124800.000
σ		1.338%	0.243	5.790	2.129	0.000	330.800	731.000	729.400
%RSD		1.722	0.521	0.684	0.246	0.000	0.703	0.584	0.584
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:02:48	173900.000	11310.000	0.000	74820.000	323400.000	320900.000	81.825%	2145.000
2	14:03:31	173300.000	11210.000	0.000	74730.000	324600.000	324800.000	79.351%	2145.000
3	14:04:14	170800.000	11060.000	0.000	73440.000	323400.000	320700.000	78.063%	2138.000
X		172700.000	11190.000	0.000	74330.000	323800.000	322100.000	79.746%	2143.000
σ		1657.000	125.300	0.000	770.500	682.600	2300.000	1.912%	3.952
%RSD		0.960	1.120	0.000	1.037	0.211	0.714	2.398	0.184
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:02:48	737.600	401.800	4458.000	267700.000	270700.000	571.500	724.800	401.200
2	14:03:31	740.900	403.700	4479.000	267900.000	271400.000	567.500	721.800	398.400
3	14:04:14	733.500	404.400	4492.000	269000.000	272200.000	562.700	709.000	396.600
X		737.300	403.300	4476.000	268200.000	271400.000	567.200	718.500	398.800
σ		3.668	1.394	17.200	703.900	754.800	4.372	8.382	2.321
%RSD		0.497	0.346	0.384	0.262	0.278	0.771	1.167	0.582
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:02:48	403.100	868.800	868.500	130.100	8.306	9.982	0.000	1561.000
2	14:03:31	404.500	873.900	872.900	129.900	8.345	9.525	0.000	1569.000
3	14:04:14	398.800	857.400	865.900	126.600	8.409	8.793	0.000	1557.000
X		402.100	866.700	869.100	128.900	8.353	9.433	0.000	1562.000
σ		2.955	8.425	3.550	1.989	0.052	0.600	0.000	6.019
%RSD		0.735	0.972	0.408	1.543	0.623	6.359	0.000	0.385
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:02:48	0.000	969.400	981.100	64.898%	42.840	41.860	43.110	40.010
2	14:03:31	0.000	970.300	983.800	64.205%	42.860	41.780	43.200	41.220
3	14:04:14	0.000	965.000	982.000	64.212%	42.720	41.660	40.780	39.370
X		0.000	968.200	982.300	64.438%	42.810	41.770	42.360	40.200
σ		0.000	2.850	1.370	0.398%	0.075	0.102	1.370	0.943
%RSD		0.000	0.294	0.140	0.618	0.175	0.244	3.234	2.347
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:02:48	72.069%	427.200	84.150	83.910	2770.000	2735.000	77.474%	74.727%
2	14:03:31	71.600%	430.800	85.450	84.610	2771.000	2750.000	77.951%	75.918%
3	14:04:14	71.910%	427.500	84.220	85.240	2733.000	2700.000	77.927%	75.048%
X		71.860%	428.500	84.610	84.590	2758.000	2729.000	77.784%	75.231%
σ		0.238%	2.037	0.732	0.664	21.720	25.640	0.269%	0.616%
%RSD		0.332	0.475	0.865	0.785	0.787	0.940	0.346	0.819
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	14:02:48	47.710	47.340	143.500	143.300	144.400	56.723%		
2	14:03:31	48.900	48.550	147.700	145.900	147.100	56.137%		
3	14:04:14	47.340	47.630	144.000	144.400	144.500	56.948%		
X		47.990	47.840	145.100	144.500	145.400	56.603%		
σ		0.814	0.632	2.261	1.265	1.537	0.419%		
%RSD		1.696	1.320	1.559	0.875	1.058	0.740		

240-22852-F-1-B PDS

5/7/2013 2:10:17 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:11:00	73.397%	50.470	920.100	917.400	0.000	52550.000	126100.000	125000.000
2	14:11:43	72.440%	49.640	916.000	924.800	0.000	52590.000	126200.000	126600.000
3	14:12:26	72.773%	48.850	898.600	916.000	0.000	51970.000	125000.000	124800.000
X		72.870%	49.650	911.600	919.400	0.000	52370.000	125800.000	125500.000
σ		0.486%	0.812	11.370	4.707	0.000	346.100	696.700	1002.000
%RSD		0.667	1.635	1.248	0.512	0.000	0.661	0.554	0.799
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:11:00	122300.000	14300.000	0.000	66360.000	336000.000	333900.000	73.436%	2220.000
2	14:11:43	123500.000	14400.000	0.000	66770.000	336300.000	335700.000	71.572%	2217.000
3	14:12:26	120800.000	14310.000	0.000	66610.000	336300.000	334100.000	70.818%	2226.000
X		122200.000	14340.000	0.000	66580.000	336200.000	334600.000	71.942%	2221.000
σ		1334.000	55.220	0.000	210.200	158.000	968.200	1.347%	4.282
%RSD		1.092	0.385	0.000	0.316	0.047	0.289	1.873	0.193
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:11:00	722.400	388.900	4830.000	270600.000	273300.000	626.100	782.200	436.400
2	14:11:43	710.400	388.500	4917.000	274400.000	275700.000	633.800	795.300	438.400
3	14:12:26	716.600	384.200	4916.000	273100.000	276000.000	622.600	787.100	430.500
X		716.400	387.200	4888.000	272700.000	275000.000	627.500	788.200	435.100
σ		5.970	2.617	49.750	1950.000	1500.000	5.767	6.625	4.095
%RSD		0.833	0.676	1.018	0.715	0.545	0.919	0.841	0.941
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:11:00	445.500	943.100	943.500	140.300	10.170	10.310	0.000	1674.000
2	14:11:43	440.900	949.700	953.100	139.300	10.000	11.740	0.000	1695.000
3	14:12:26	434.900	939.400	944.200	139.000	10.350	11.800	0.000	1689.000
X		440.400	944.000	947.000	139.500	10.170	11.280	0.000	1686.000
σ		5.339	5.234	5.336	0.665	0.173	0.841	0.000	11.250
%RSD		1.212	0.554	0.564	0.476	1.703	7.457	0.000	0.667
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:11:00	0.000	1223.000	1233.000	58.388%	49.520	47.360	45.600	36.100
2	14:11:43	0.000	1244.000	1263.000	57.635%	49.240	47.980	46.690	37.160
3	14:12:26	0.000	1233.000	1261.000	56.891%	49.440	48.470	46.960	38.460
X		0.000	1234.000	1252.000	57.638%	49.400	47.930	46.420	37.240
σ		0.000	10.530	16.800	0.748%	0.141	0.554	0.718	1.183
%RSD		0.000	0.853	1.341	1.298	0.284	1.156	1.547	3.176
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:11:00	71.216%	1868.000	407.000	404.600	2650.000	2606.000	78.890%	76.420%
2	14:11:43	70.229%	1886.000	417.700	420.300	2669.000	2646.000	78.115%	77.078%
3	14:12:26	69.982%	1891.000	421.500	425.800	2670.000	2639.000	78.193%	76.525%
X		70.476%	1882.000	415.400	416.900	2663.000	2630.000	78.399%	76.675%
σ		0.653%	12.520	7.494	11.020	11.420	21.290	0.426%	0.354%
%RSD		0.926	0.665	1.804	2.643	0.429	0.809	0.544	0.461
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	14:11:00	52.610	53.060	136.500	135.600	137.000	57.818%		
2	14:11:43	53.110	53.040	138.900	137.200	138.700	57.745%		
3	14:12:26	53.460	53.110	141.500	140.900	140.100	56.737%		
X		53.060	53.070	139.000	137.900	138.600	57.433%		
σ		0.427	0.036	2.482	2.730	1.566	0.604%		
%RSD		0.805	0.068	1.786	1.980	1.130	1.052		

240-22852-B-2-B

5/7/2013 2:18:29 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:19:12	85.624%	4.278	52.080	50.790	0.000	796.100	57210.000	57070.000
2	14:19:55	83.959%	4.595	46.130	48.910	0.000	785.700	56270.000	56380.000
3	14:20:38	85.015%	4.164	46.140	48.050	0.000	782.200	56050.000	56110.000
X		84.866%	4.346	48.120	49.250	0.000	788.000	56510.000	56520.000
σ		0.843%	0.223	3.431	1.401	0.000	7.245	613.200	497.700
%RSD		0.993	5.140	7.131	2.844	0.000	0.919	1.085	0.881
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:19:12	92380.000	5607.000	0.000	14330.000	213600.000	210600.000	87.708%	923.900
2	14:19:55	90040.000	5677.000	0.000	14440.000	215200.000	212900.000	86.074%	921.900
3	14:20:38	90610.000	5643.000	0.000	14170.000	214500.000	213300.000	86.110%	927.600
X		91010.000	5642.000	0.000	14310.000	214400.000	212300.000	86.631%	924.500
σ		1221.000	34.760	0.000	133.300	764.000	1458.000	0.933%	2.856
%RSD		1.341	0.616	0.000	0.932	0.356	0.687	1.077	0.309
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:19:12	150.900	134.800	2818.000	186000.000	187700.000	86.810	216.100	142.000
2	14:19:55	152.400	133.200	2805.000	184400.000	186600.000	85.680	208.700	138.700
3	14:20:38	150.600	133.300	2813.000	185700.000	187300.000	84.600	209.500	136.300
X		151.300	133.800	2812.000	185400.000	187200.000	85.700	211.400	139.000
σ		0.954	0.913	6.173	849.400	595.900	1.110	4.074	2.865
%RSD		0.630	0.682	0.220	0.458	0.318	1.295	1.927	2.061
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:19:12	140.300	365.500	360.400	74.300	1.115	2.811	0.000	420.700
2	14:19:55	138.000	358.800	361.300	71.330	1.286	2.200	0.000	424.600
3	14:20:38	140.300	360.400	355.100	72.050	1.615	2.234	0.000	427.100
X		139.500	361.600	358.900	72.560	1.339	2.415	0.000	424.100
σ		1.350	3.500	3.365	1.551	0.254	0.343	0.000	3.212
%RSD		0.968	0.968	0.937	2.137	18.990	14.220	0.000	0.757
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:19:12	0.000	11.560	11.910	76.277%	0.297	0.165	1.810	1.362
2	14:19:55	0.000	12.080	11.620	75.646%	0.227	0.194	1.629	1.184
3	14:20:38	0.000	11.680	11.560	75.057%	0.313	0.140	1.714	1.220
X		0.000	11.770	11.700	75.660%	0.279	0.166	1.718	1.255
σ		0.000	0.271	0.189	0.610%	0.046	0.027	0.091	0.094
%RSD		0.000	2.303	1.616	0.807	16.310	16.290	5.275	7.479
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:19:12	80.954%	3.922	1.818	1.897	571.500	566.200	84.961%	82.466%
2	14:19:55	80.905%	3.299	1.444	1.674	570.800	568.400	84.497%	83.458%
3	14:20:38	80.219%	3.235	1.300	1.133	572.600	564.100	85.286%	83.271%
X		80.693%	3.486	1.521	1.568	571.600	566.200	84.915%	83.065%
σ		0.410%	0.380	0.267	0.393	0.881	2.135	0.396%	0.527%
%RSD		0.509	10.890	17.550	25.040	0.154	0.377	0.466	0.635
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	14:19:12	1.309	1.333	85.290	83.450	84.390	65.714%		
2	14:19:55	1.333	1.291	86.470	84.070	85.140	66.560%		
3	14:20:38	1.322	1.358	86.560	84.900	86.350	65.916%		
X		1.321	1.327	86.110	84.140	85.290	66.063%		
σ		0.012	0.034	0.708	0.725	0.992	0.442%		
%RSD		0.902	2.527	0.822	0.862	1.162	0.669		

CCV 801624 5/7/2013 2:26:41 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:27:24	91.557%	98.630	84.280	85.470	0.000	49170.000	50370.000	50210.000
2	14:28:07	87.192%	103.000	86.660	87.790	0.000	49140.000	50120.000	49650.000
3	14:28:50	88.994%	101.100	88.250	87.730	0.000	48810.000	49970.000	50130.000
x		89.248%	100.911%	86.394%	86.995%	0.000	98.077%	100.311%	99.999%
σ		2.194%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		2.458	2.188	2.316	1.519	0.000	0.406	0.404	0.608
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:27:24	520.000	5320.000	0.000	50290.000	49690.000	47390.000	83.739%	104.000
2	14:28:07	514.000	5218.000	0.000	49480.000	50430.000	46750.000	80.988%	103.700
3	14:28:50	511.000	5189.000	0.000	49150.000	49840.000	47010.000	82.326%	101.300
x		103.003%	104.848%	0.000	99.275%	99.970%	94.104%	82.351%	102.991%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.376%	n/a
%RSD		0.883	1.309	0.000	1.181	0.780	0.679	1.671	1.454
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:27:24	100.700	100.500	496.400	25270.000	25480.000	102.400	106.100	106.000
2	14:28:07	100.200	98.950	495.200	24920.000	24790.000	100.100	103.100	103.600
3	14:28:50	100.800	101.300	498.900	25090.000	25200.000	101.100	103.900	103.900
x		100.575%	100.244%	99.362%	100.379%	100.623%	101.186%	104.365%	104.502%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.338	1.190	0.381	0.681	1.370	1.134	1.519	1.292
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:27:24	107.100	106.100	104.000	103.400	106.000	103.600	0.000	95.210
2	14:28:07	101.800	103.500	102.600	99.750	101.500	100.500	0.000	96.130
3	14:28:50	103.800	105.000	106.100	101.200	100.700	96.090	0.000	94.630
x		104.235%	104.879%	104.216%	101.442%	102.776%	100.050%	0.000	95.322%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		2.558	1.227	1.715	1.798	2.773	3.748	0.000	0.793
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:27:24	84.009%	99.680	102.300	78.950%	99.350	99.290	95.650	98.150
2	14:28:07	82.208%	104.800	104.300	76.920%	99.120	99.750	96.740	98.630
3	14:28:50	83.905%	105.800	106.700	78.565%	99.420	99.480	96.380	97.900
x		83.374%	103.411%	104.446%	78.145%	99.298%	99.506%	96.258%	98.224%
σ		1.011%	n/a	n/a	1.078%	n/a	n/a	n/a	n/a
%RSD		1.213	3.166	2.077	1.380	0.158	0.234	0.574	0.378
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:27:24	82.391%	96.680	95.490	97.160	96.970	96.770	82.843%	83.127%
2	14:28:07	80.009%	98.030	98.990	96.840	99.030	94.860	83.505%	83.637%
3	14:28:50	82.528%	97.950	97.710	96.740	97.740	94.880	85.045%	86.067%
x		81.643%	97.551%	97.397%	96.917%	97.909%	95.501%	83.798%	84.277%
σ		1.417%	n/a	n/a	n/a	n/a	n/a	1.130%	1.571%
%RSD		1.735	0.779	1.814	0.227	1.063	1.150	1.349	1.864
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	14:27:24	96.450	95.660	97.410	97.630	97.350	70.258%		
2	14:28:07	96.260	96.140	96.590	96.320	96.910	71.061%		
3	14:28:50	97.020	96.240	97.590	96.860	97.550	72.778%		
x		96.578%	96.015%	97.198%	96.936%	97.269%	71.366%		
σ		n/a	n/a	n/a	n/a	n/a	1.287%		
%RSD		0.412	0.323	0.546	0.678	0.334	1.804		

CCB2 5/7/2013 2:34:55 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:35:38	122.367%	0.009	-10.430	-9.738	0.000	3.210	10.570	9.881
2	14:36:21	121.068%	0.028	-10.680	-10.240	0.000	4.465	12.070	12.200
3	14:37:04	114.687%	-0.009	-10.720	-10.980	0.000	6.917	10.430	12.220
x		119.374%	0.009	-10.610	-10.320	0.000	4.864	11.020	11.430
σ		4.110%	0.019	0.156	0.627	0.000	1.886	0.910	1.344
%RSD		3.443	200.200	1.473	6.076	0.000	38.770	8.253	11.750
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:35:38	4.281	-1.052	0.000	5.478	6.807	12.030	119.427%	0.024
2	14:36:21	5.420	3.237	0.000	5.145	15.060	18.140	120.640%	-0.236
3	14:37:04	5.844	-0.967	0.000	7.619	15.650	13.460	117.495%	-0.284
x		5.182	0.406	0.000	6.081	12.500	14.540	119.187%	-0.165
σ		0.808	2.452	0.000	1.343	4.943	3.198	1.586%	0.166
%RSD		15.600	603.500	0.000	22.080	39.530	21.990	1.331	100.400
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:35:38	0.046	0.055	0.285	11.650	12.970	0.014	0.039	0.040
2	14:36:21	0.031	0.026	0.396	12.080	13.100	0.017	0.038	0.031
3	14:37:04	0.060	0.079	0.356	13.460	14.340	0.036	0.055	0.031
x		0.046	0.053	0.346	12.400	13.470	0.022	0.044	0.034
σ		0.014	0.027	0.056	0.945	0.757	0.012	0.010	0.005
%RSD		31.400	50.230	16.260	7.621	5.618	52.330	21.830	16.100
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:35:38	0.006	-0.089	-0.018	0.044	-0.018	-0.189	0.000	0.051
2	14:36:21	0.050	0.058	-0.101	-0.123	0.018	-0.633	0.000	0.046
3	14:37:04	0.039	-0.035	0.125	-0.114	-0.158	-0.545	0.000	0.047
x		0.031	-0.022	0.002	-0.064	-0.053	-0.456	0.000	0.048
σ		0.023	0.074	0.114	0.094	0.093	0.235	0.000	0.003
%RSD		73.200	336.900	5507.000	146.000	175.800	51.670	0.000	6.431
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:35:38	102.687%	0.415	0.446	104.093%	0.018	0.004	0.174	0.153
2	14:36:21	107.169%	0.395	0.427	107.265%	0.011	0.004	0.049	0.021
3	14:37:04	104.851%	0.383	0.380	104.691%	0.018	0.004	0.140	0.108
x		104.902%	0.398	0.418	105.350%	0.016	0.004	0.121	0.094
σ		2.241%	0.016	0.034	1.685%	0.004	0.000	0.065	0.067
%RSD		2.136	4.129	8.186	1.600	24.200	9.161	53.600	71.070
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:35:38	99.875%	0.439	0.169	0.215	0.026	0.081	95.553%	95.069%
2	14:36:21	105.072%	0.514	0.163	0.148	0.029	0.076	101.494%	101.489%
3	14:37:04	103.262%	0.490	0.191	0.149	0.030	0.082	99.444%	99.542%
x		102.736%	0.481	0.174	0.171	0.028	0.080	98.830%	98.700%
σ		2.638%	0.039	0.014	0.038	0.002	0.003	3.018%	3.292%
%RSD		2.568	8.058	8.293	22.490	8.266	4.148	3.054	3.335
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	14:35:38	0.013	0.010	0.043	0.041	0.044	93.153%		
2	14:36:21	0.018	0.014	0.037	0.053	0.047	100.063%		
3	14:37:04	0.013	0.010	0.049	0.042	0.046	99.355%		
x		0.015	0.011	0.043	0.045	0.046	97.523%		
σ		0.003	0.002	0.006	0.007	0.002	3.802%		
%RSD		20.280	19.150	13.870	14.350	3.607	3.898		

MB 180-70060/1-A

5/7/2013 2:43:09 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:43:52	97.438%	-0.019	-9.803	-10.380	0.000	5.473	0.732	1.012
2	14:44:35	95.737%	0.029	-10.180	-10.300	0.000	7.332	1.317	1.703
3	14:45:18	95.007%	0.017	-10.560	-11.030	0.000	7.433	1.845	1.757
X		96.061%	0.009	-10.180	-10.570	0.000	6.746	1.298	1.491
σ		1.247%	0.025	0.377	0.399	0.000	1.103	0.557	0.415
%RSD		1.298	278.200	3.701	3.771	0.000	16.360	42.900	27.870
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:43:52	1.494	1.955	0.000	6.149	2.256	1.822	93.124%	-0.290
2	14:44:35	1.643	5.641	0.000	6.756	5.394	2.884	89.431%	-0.047
3	14:45:18	1.684	1.327	0.000	8.400	-0.187	2.593	88.742%	-0.182
X		1.607	2.974	0.000	7.102	2.488	2.433	90.432%	-0.173
σ		0.100	2.331	0.000	1.164	2.797	0.548	2.357%	0.122
%RSD		6.216	78.370	0.000	16.400	112.400	22.540	2.606	70.570
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:43:52	0.194	0.127	0.093	4.839	4.938	0.001	0.015	0.083
2	14:44:35	0.062	0.145	0.075	4.120	3.217	-0.005	-0.004	0.112
3	14:45:18	0.006	0.078	0.096	3.394	2.729	-0.001	0.026	0.064
X		0.087	0.117	0.088	4.117	3.628	-0.002	0.013	0.087
σ		0.096	0.034	0.011	0.722	1.161	0.003	0.015	0.024
%RSD		110.600	29.500	12.750	17.540	31.990	158.300	121.900	27.760
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:43:52	0.157	0.620	0.191	0.243	0.154	0.218	0.000	0.011
2	14:44:35	0.162	0.345	0.518	-0.496	0.038	-0.488	0.000	0.008
3	14:45:18	0.037	0.278	0.172	-0.059	-0.114	-0.644	0.000	0.023
X		0.119	0.414	0.294	-0.104	0.026	-0.305	0.000	0.014
σ		0.070	0.181	0.195	0.372	0.135	0.459	0.000	0.008
%RSD		59.440	43.650	66.360	357.600	518.100	150.700	0.000	57.250
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:43:52	89.857%	0.261	0.192	90.647%	-0.001	-0.000	0.205	0.153
2	14:44:35	89.143%	0.250	0.231	90.257%	-0.006	-0.005	0.084	0.047
3	14:45:18	89.484%	0.201	0.164	89.180%	-0.006	-0.005	0.037	0.026
X		89.494%	0.237	0.196	90.028%	-0.004	-0.004	0.109	0.075
σ		0.357%	0.032	0.033	0.760%	0.003	0.003	0.087	0.068
%RSD		0.399	13.390	17.070	0.844	71.470	84.270	79.480	90.360
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:43:52	88.631%	0.595	0.095	0.112	-0.045	0.011	85.701%	85.382%
2	14:44:35	88.599%	0.576	0.097	0.120	-0.063	0.031	88.050%	88.202%
3	14:45:18	88.147%	0.458	0.116	0.094	-0.036	-0.005	87.974%	88.294%
X		88.459%	0.543	0.103	0.109	-0.048	0.012	87.242%	87.293%
σ		0.271%	0.074	0.012	0.013	0.014	0.018	1.335%	1.655%
%RSD		0.306	13.700	11.400	12.180	28.510	145.200	1.530	1.896
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	14:43:52	0.011	0.015	0.462	0.468	0.472	96.797%		
2	14:44:35	0.016	0.004	0.372	0.409	0.417	95.888%		
3	14:45:18	0.001	0.006	0.353	0.331	0.334	97.039%		
X		0.009	0.008	0.395	0.402	0.408	96.575%		
σ		0.008	0.006	0.058	0.069	0.070	0.607%		
%RSD		79.300	67.710	14.760	17.120	17.160	0.628		

LCS 180-70060/2-A

5/7/2013 2:51:21 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:52:04	71.226%	51.810	930.600	923.200	0.000	45600.000	45700.000	45740.000
2	14:52:47	70.125%	49.970	956.700	933.100	0.000	44400.000	44700.000	45370.000
3	14:53:30	70.716%	50.070	950.200	918.300	0.000	44450.000	44700.000	44370.000
X		70.689%	50.620	945.800	924.900	0.000	44810.000	45030.000	45160.000
σ		0.551%	1.030	13.590	7.533	0.000	679.000	575.000	709.600
%RSD		0.779	2.036	1.436	0.815	0.000	1.515	1.277	1.571
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:52:04	1796.000	9137.000	0.000	45900.000	47050.000	43950.000	61.647%	983.000
2	14:52:47	1758.000	8962.000	0.000	46240.000	47350.000	43800.000	59.904%	970.000
3	14:53:30	1731.000	8804.000	0.000	45580.000	46990.000	44450.000	58.631%	986.800
X		1762.000	8968.000	0.000	45910.000	47130.000	44070.000	60.061%	979.900
σ		32.850	166.700	0.000	327.100	192.100	340.900	1.514%	8.836
%RSD		1.865	1.859	0.000	0.713	0.407	0.774	2.521	0.902
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:52:04	471.500	188.500	475.200	947.500	1069.000	468.200	475.000	243.000
2	14:52:47	468.400	187.100	473.200	951.800	1080.000	469.100	471.900	239.700
3	14:53:30	470.400	188.700	479.800	957.700	1037.000	464.600	470.500	239.800
X		470.100	188.100	476.100	952.300	1062.000	467.300	472.400	240.900
σ		1.567	0.885	3.407	5.130	22.560	2.357	2.318	1.878
%RSD		0.333	0.471	0.716	0.539	2.125	0.504	0.491	0.780
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:52:04	240.300	491.200	479.300	35.900	8.747	8.525	0.000	892.600
2	14:52:47	240.700	476.800	480.900	35.590	9.881	10.010	0.000	888.200
3	14:53:30	237.100	482.300	488.500	37.470	9.021	10.120	0.000	886.300
X		239.400	483.400	482.900	36.320	9.216	9.550	0.000	889.100
σ		1.982	7.244	4.902	1.008	0.592	0.889	0.000	3.239
%RSD		0.828	1.498	1.015	2.775	6.421	9.312	0.000	0.364
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:52:04	64.994%	970.300	993.400	61.698%	48.260	48.260	48.180	43.380
2	14:52:47	65.690%	970.900	1001.000	61.752%	47.800	48.790	48.280	41.630
3	14:53:30	65.777%	974.000	1006.000	61.688%	47.950	48.760	46.940	41.470
X		65.487%	971.700	1000.000	61.713%	48.000	48.600	47.800	42.160
σ		0.429%	1.976	6.470	0.034%	0.233	0.296	0.746	1.061
%RSD		0.655	0.203	0.647	0.055	0.486	0.610	1.560	2.516
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:52:04	64.844%	1881.000	467.100	466.600	1822.000	1804.000	70.428%	70.356%
2	14:52:47	65.543%	1903.000	469.100	467.400	1826.000	1819.000	71.657%	72.340%
3	14:53:30	65.624%	1903.000	471.100	468.600	1830.000	1823.000	72.283%	73.794%
X		65.337%	1896.000	469.100	467.500	1826.000	1815.000	71.456%	72.164%
σ		0.429%	12.540	1.976	1.033	4.127	9.696	0.944%	1.726%
%RSD		0.656	0.661	0.421	0.221	0.226	0.534	1.320	2.391
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	14:52:04	44.180	43.780	19.430	21.150	20.210	60.872%		
2	14:52:47	44.420	43.580	19.090	20.480	19.670	62.654%		
3	14:53:30	44.920	44.650	18.780	20.540	19.640	62.260%		
X		44.510	44.000	19.100	20.720	19.840	61.929%		
σ		0.374	0.566	0.326	0.368	0.321	0.936%		
%RSD		0.841	1.285	1.705	1.776	1.616	1.511		

240-22804-D-11-A 5/7/2013 2:59:31 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:00:14	76.755%	-0.004	-3.063	-2.706	0.000	63.840	1.897	2.148
2	15:00:57	74.283%	0.028	-3.856	-3.608	0.000	64.500	1.106	2.007
3	15:01:40	71.279%	-0.019	-5.176	-3.722	0.000	66.290	1.296	1.487
x		74.106%	0.002	-4.032	-3.345	0.000	64.880	1.433	1.881
σ		2.743%	0.024	1.067	0.556	0.000	1.266	0.413	0.348
%RSD		3.701	1570.000	26.470	16.630	0.000	1.951	28.830	18.530
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:00:14	4.785	27.760	0.000	27.600	13.060	23.300	66.234%	0.072
2	15:00:57	4.546	27.300	0.000	26.610	-1.881	20.360	63.008%	0.337
3	15:01:40	4.259	25.010	0.000	27.990	14.930	23.960	60.226%	0.320
x		4.530	26.690	0.000	27.400	8.703	22.540	63.156%	0.243
σ		0.264	1.477	0.000	0.709	9.213	1.916	3.007%	0.148
%RSD		5.818	5.533	0.000	2.588	105.900	8.500	4.761	61.100
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:00:14	-1.469	3.489	0.745	3.744	3.536	0.095	6.135	0.353
2	15:00:57	-1.482	3.018	0.750	0.326	3.670	0.121	5.626	0.350
3	15:01:40	0.067	3.135	0.729	-0.191	5.206	0.029	5.894	0.347
x		-0.961	3.214	0.741	1.293	4.137	0.082	5.885	0.350
σ		0.891	0.245	0.011	2.138	0.928	0.047	0.255	0.003
%RSD		92.670	7.630	1.426	165.400	22.440	57.710	4.325	0.751
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:00:14	0.402	3.351	3.738	-0.491	-0.184	-0.382	0.000	0.079
2	15:00:57	0.433	3.163	2.750	0.714	-0.231	-0.108	0.000	0.051
3	15:01:40	0.385	2.954	3.524	-0.383	0.049	0.178	0.000	0.042
x		0.407	3.156	3.337	-0.053	-0.122	-0.104	0.000	0.058
σ		0.024	0.198	0.520	0.666	0.150	0.280	0.000	0.019
%RSD		5.972	6.286	15.580	1247.000	123.200	268.400	0.000	33.720
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:00:14	71.096%	2.201	2.516	70.145%	0.018	-0.005	-0.049	-0.090
2	15:00:57	68.910%	2.192	2.300	68.420%	-0.003	-0.001	0.022	0.016
3	15:01:40	65.616%	2.446	2.450	65.695%	-0.009	-0.007	-0.010	-0.012
x		68.541%	2.280	2.422	68.087%	0.002	-0.004	-0.012	-0.029
σ		2.759%	0.144	0.111	2.244%	0.014	0.003	0.036	0.055
%RSD		4.025	6.324	4.566	3.295	867.100	77.720	287.300	190.600
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:00:14	72.769%	4.821	0.126	0.068	0.098	0.100	75.501%	76.416%
2	15:00:57	70.886%	4.300	0.097	0.127	0.001	0.101	76.859%	77.470%
3	15:01:40	68.547%	4.147	0.146	0.061	0.071	0.079	74.354%	75.622%
x		70.734%	4.423	0.123	0.085	0.057	0.093	75.571%	76.503%
σ		2.115%	0.353	0.025	0.036	0.050	0.012	1.254%	0.927%
%RSD		2.990	7.982	19.990	42.490	87.760	12.960	1.660	1.212
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	15:00:14	0.068	0.076	0.707	0.629	0.663	72.074%		
2	15:00:57	0.072	0.062	0.531	0.559	0.553	76.336%		
3	15:01:40	0.070	0.069	0.546	0.561	0.540	71.225%		
x		0.070	0.069	0.595	0.583	0.586	73.211%		
σ		0.002	0.007	0.097	0.040	0.068	2.739%		
%RSD		3.189	9.843	16.350	6.792	11.560	3.741		

240-22804-D-11-A SD@5

5/7/2013 3:07:41 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:08:24	93.553%	-0.007	-7.481	-8.102	0.000	18.960	1.682	1.982
2	15:09:07	90.644%	-0.006	-8.816	-8.675	0.000	21.100	1.732	1.292
3	15:09:50	86.770%	-0.019	-7.764	-9.267	0.000	22.330	1.429	1.664
X		90.323%	-0.011	-8.020	-8.682	0.000	20.800	1.614	1.646
σ		3.403%	0.007	0.703	0.583	0.000	1.703	0.162	0.345
%RSD		3.768	67.250	8.769	6.710	0.000	8.188	10.040	20.990
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:08:24	6.740	6.070	0.000	9.613	15.180	22.100	83.507%	-0.169
2	15:09:07	4.888	7.309	0.000	10.310	15.620	18.200	81.854%	-0.202
3	15:09:50	5.961	4.943	0.000	11.490	12.860	20.800	80.595%	0.066
X		5.863	6.107	0.000	10.470	14.550	20.370	81.985%	-0.102
σ		0.929	1.183	0.000	0.947	1.481	1.984	1.460%	0.146
%RSD		15.850	19.380	0.000	9.045	10.180	9.739	1.781	144.000
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:08:24	-0.892	0.769	0.260	1.656	1.806	0.028	1.443	0.100
2	15:09:07	-0.444	0.641	0.238	0.697	0.995	0.025	1.470	0.176
3	15:09:50	0.161	0.703	0.211	-0.451	2.126	0.014	1.415	0.104
X		-0.392	0.705	0.236	0.634	1.642	0.022	1.442	0.127
σ		0.529	0.064	0.025	1.055	0.583	0.007	0.028	0.042
%RSD		135.000	9.095	10.550	166.400	35.490	32.220	1.911	33.450
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:08:24	0.150	0.963	1.216	-0.316	-0.123	0.101	0.000	0.027
2	15:09:07	0.224	1.218	1.174	0.049	0.153	-0.201	0.000	0.035
3	15:09:50	0.264	1.089	1.212	-0.155	0.053	-0.519	0.000	0.025
X		0.213	1.090	1.200	-0.141	0.027	-0.206	0.000	0.029
σ		0.058	0.128	0.023	0.183	0.140	0.310	0.000	0.005
%RSD		27.130	11.700	1.918	130.000	510.400	150.300	0.000	18.250
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:08:24	83.543%	0.657	0.749	84.419%	-0.007	0.001	0.089	0.071
2	15:09:07	84.115%	0.806	0.727	84.447%	0.009	-0.007	0.042	0.044
3	15:09:50	83.088%	0.649	0.712	83.381%	0.002	-0.003	-0.048	-0.023
X		83.582%	0.704	0.730	84.083%	0.001	-0.003	0.028	0.031
σ		0.515%	0.088	0.019	0.608%	0.008	0.004	0.070	0.049
%RSD		0.616	12.520	2.552	0.723	566.900	132.200	250.400	159.200
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:08:24	82.860%	0.384	0.018	0.035	-0.035	0.017	83.683%	84.398%
2	15:09:07	85.416%	0.322	0.019	0.034	-0.017	0.022	86.035%	87.093%
3	15:09:50	83.888%	0.355	0.042	0.029	-0.017	0.022	85.696%	86.019%
X		84.054%	0.354	0.027	0.033	-0.023	0.020	85.138%	85.836%
σ		1.286%	0.031	0.014	0.004	0.010	0.003	1.271%	1.357%
%RSD		1.530	8.804	50.850	11.150	45.470	12.820	1.493	1.581
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	15:08:24	0.023	0.023	0.302	0.278	0.289	83.438%		
2	15:09:07	0.030	0.018	0.255	0.284	0.277	85.623%		
3	15:09:50	0.016	0.016	0.237	0.231	0.235	86.318%		
X		0.023	0.019	0.265	0.264	0.267	85.126%		
σ		0.007	0.004	0.034	0.029	0.028	1.503%		
%RSD		29.920	18.150	12.770	11.130	10.590	1.766		

240-22804-D-11-B MS

5/7/2013 3:15:51 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:16:34	78.120%	49.510	911.100	863.700	0.000	42020.000	42360.000	42600.000
2	15:17:17	74.909%	50.430	904.600	853.000	0.000	41040.000	40950.000	41400.000
3	15:18:00	73.874%	50.020	892.400	867.900	0.000	40510.000	41000.000	40860.000
X		75.634%	49.990	902.700	861.500	0.000	41190.000	41440.000	41620.000
σ		2.214%	0.465	9.507	7.653	0.000	766.600	799.500	890.500
%RSD		2.927	0.929	1.053	0.888	0.000	1.861	1.929	2.140
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:16:34	1658.000	8372.000	0.000	43150.000	45240.000	42120.000	64.323%	919.300
2	15:17:17	1604.000	8176.000	0.000	42280.000	43540.000	41250.000	62.036%	911.100
3	15:18:00	1591.000	8101.000	0.000	42340.000	44890.000	41910.000	60.958%	914.200
X		1618.000	8216.000	0.000	42590.000	44550.000	41760.000	62.439%	914.900
σ		35.420	139.800	0.000	489.900	898.100	454.600	1.718%	4.144
%RSD		2.189	1.701	0.000	1.150	2.016	1.089	2.752	0.453
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:16:34	453.600	183.200	457.100	927.500	1029.000	455.100	465.000	234.600
2	15:17:17	443.100	180.600	454.600	913.300	996.500	447.300	456.500	230.000
3	15:18:00	450.800	179.000	453.100	904.900	979.300	437.400	451.400	226.200
X		449.200	181.000	454.900	915.300	1002.000	446.600	457.600	230.300
σ		5.445	2.124	2.043	11.400	25.190	8.893	6.870	4.205
%RSD		1.212	1.173	0.449	1.246	2.515	1.991	1.501	1.826
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:16:34	235.600	463.800	474.600	37.080	9.285	9.231	0.000	870.200
2	15:17:17	228.600	463.200	464.100	36.050	8.879	8.912	0.000	864.800
3	15:18:00	227.200	466.800	468.600	33.480	9.054	8.082	0.000	877.600
X		230.500	464.600	469.100	35.540	9.073	8.742	0.000	870.900
σ		4.472	1.929	5.260	1.858	0.204	0.594	0.000	6.402
%RSD		1.940	0.415	1.121	5.229	2.246	6.789	0.000	0.735
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:16:34	67.620%	949.300	971.400	63.963%	47.600	46.820	47.500	42.310
2	15:17:17	66.446%	936.700	973.800	63.681%	46.810	46.210	47.440	41.540
3	15:18:00	65.552%	962.000	981.200	62.688%	47.180	47.490	48.430	40.480
X		66.540%	949.400	975.400	63.444%	47.200	46.840	47.790	41.450
σ		1.037%	12.650	5.127	0.670%	0.395	0.640	0.558	0.919
%RSD		1.559	1.332	0.526	1.056	0.836	1.366	1.168	2.218
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:16:34	67.221%	1849.000	460.400	453.100	1790.000	1765.000	72.473%	72.944%
2	15:17:17	67.631%	1850.000	460.600	462.300	1778.000	1755.000	73.746%	75.027%
3	15:18:00	66.718%	1874.000	465.500	459.200	1778.000	1772.000	74.323%	75.195%
X		67.190%	1858.000	462.200	458.200	1782.000	1764.000	73.514%	74.389%
σ		0.457%	13.810	2.880	4.683	6.934	8.366	0.947%	1.254%
%RSD		0.680	0.744	0.623	1.022	0.389	0.474	1.288	1.686
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	15:16:34	43.900	43.940	17.910	19.070	18.630	61.479%		
2	15:17:17	43.680	43.400	17.210	19.340	18.260	64.030%		
3	15:18:00	44.480	44.630	17.540	19.430	18.700	63.884%		
X		44.020	43.990	17.550	19.280	18.530	63.131%		
σ		0.411	0.617	0.352	0.188	0.236	1.433%		
%RSD		0.933	1.402	2.008	0.974	1.273	2.269		

240-22804-D-11-C MSD 5/7/2013 3:24:01 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:24:44	82.251%	48.300	891.500	844.700	0.000	41090.000	41350.000	41750.000
2	15:25:27	78.567%	47.330	887.600	850.600	0.000	39390.000	40230.000	40040.000
3	15:26:10	75.047%	50.490	920.600	877.300	0.000	41540.000	41980.000	41930.000
x		78.622%	48.710	899.900	857.500	0.000	40670.000	41190.000	41240.000
σ		3.602%	1.618	18.010	17.390	0.000	1133.000	884.600	1043.000
%RSD		4.582	3.321	2.002	2.028	0.000	2.785	2.148	2.529
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:24:44	1636.000	8233.000	0.000	42610.000	43960.000	42120.000	65.579%	918.900
2	15:25:27	1566.000	7954.000	0.000	41500.000	43230.000	40760.000	62.625%	903.000
3	15:26:10	1617.000	8183.000	0.000	43360.000	44310.000	42190.000	59.430%	935.400
x		1606.000	8123.000	0.000	42490.000	43830.000	41690.000	62.545%	919.100
σ		36.300	148.500	0.000	938.700	552.400	808.000	3.076%	16.230
%RSD		2.260	1.828	0.000	2.209	1.260	1.938	4.918	1.766
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:24:44	453.500	182.400	452.900	912.700	1021.000	450.000	463.000	232.200
2	15:25:27	443.400	178.100	444.400	886.100	965.900	430.400	446.600	222.200
3	15:26:10	456.800	183.900	460.800	916.500	1000.000	445.200	454.400	231.500
x		451.200	181.400	452.700	905.100	995.700	441.800	454.700	228.600
σ		6.989	2.992	8.209	16.540	27.810	10.210	8.235	5.561
%RSD		1.549	1.649	1.813	1.827	2.793	2.311	1.811	2.432
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:24:44	231.400	461.300	466.700	36.730	8.933	9.551	0.000	877.500
2	15:25:27	225.300	456.400	457.600	34.670	8.632	9.154	0.000	848.100
3	15:26:10	228.300	471.600	469.700	36.000	9.662	9.647	0.000	879.700
x		228.300	463.100	464.700	35.800	9.076	9.451	0.000	868.500
σ		3.029	7.775	6.311	1.046	0.529	0.261	0.000	17.640
%RSD		1.326	1.679	1.358	2.923	5.833	2.765	0.000	2.031
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:24:44	67.229%	945.600	971.700	63.909%	47.820	48.410	47.530	41.200
2	15:25:27	67.067%	937.200	964.900	62.725%	46.710	46.400	46.310	40.740
3	15:26:10	64.572%	961.000	1000.000	60.929%	47.960	47.840	48.080	41.840
x		66.289%	947.900	979.000	62.521%	47.500	47.550	47.300	41.260
σ		1.490%	12.050	18.850	1.501%	0.682	1.037	0.904	0.554
%RSD		2.247	1.271	1.925	2.400	1.435	2.181	1.911	1.342
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:24:44	66.014%	1875.000	456.900	459.400	1806.000	1777.000	71.524%	71.845%
2	15:25:27	65.522%	1853.000	460.100	456.300	1775.000	1749.000	72.760%	74.128%
3	15:26:10	64.859%	1897.000	472.600	470.000	1804.000	1789.000	72.143%	72.518%
x		65.465%	1875.000	463.200	461.900	1795.000	1772.000	72.142%	72.831%
σ		0.580%	22.480	8.302	7.162	17.550	20.470	0.618%	1.173%
%RSD		0.885	1.199	1.792	1.551	0.978	1.156	0.856	1.611
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	15:24:44	45.160	44.370	17.660	19.920	18.800	60.512%		
2	15:25:27	43.640	43.800	17.520	19.050	18.240	62.049%		
3	15:26:10	44.910	45.050	17.930	19.830	18.750	61.402%		
x		44.570	44.400	17.700	19.600	18.600	61.321%		
σ		0.813	0.625	0.205	0.477	0.311	0.771%		
%RSD		1.824	1.409	1.160	2.434	1.674	1.258		

240-22804-D-11-A PDS

5/7/2013 3:32:13 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:32:56	76.726%	53.200	1016.000	970.300	0.000	45680.000	46210.000	46330.000
2	15:33:39	77.980%	51.900	944.300	914.200	0.000	42500.000	42570.000	42590.000
3	15:34:22	75.722%	52.630	986.900	949.500	0.000	44600.000	45020.000	45120.000
X		76.810%	52.580	982.500	944.700	0.000	44260.000	44600.000	44680.000
σ		1.131%	0.651	36.150	28.380	0.000	1616.000	1857.000	1913.000
%RSD		1.473	1.238	3.680	3.004	0.000	3.651	4.164	4.282
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:32:56	1834.000	8803.000	0.000	47030.000	48080.000	45770.000	64.089%	973.900
2	15:33:39	1702.000	8302.000	0.000	44560.000	46040.000	43330.000	62.660%	927.500
3	15:34:22	1754.000	8714.000	0.000	46630.000	47260.000	45520.000	59.016%	976.200
X		1763.000	8606.000	0.000	46070.000	47130.000	44870.000	61.922%	959.200
σ		66.310	267.100	0.000	1323.000	1028.000	1345.000	2.616%	27.450
%RSD		3.761	3.104	0.000	2.873	2.181	2.996	4.224	2.862
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:32:56	499.400	200.700	502.100	1015.000	1138.000	494.400	508.300	253.400
2	15:33:39	467.500	189.300	480.600	963.400	1059.000	465.700	476.400	239.800
3	15:34:22	495.800	199.800	506.500	1020.000	1099.000	490.400	496.300	249.500
X		487.600	196.600	496.400	999.200	1099.000	483.500	493.700	247.600
σ		17.480	6.310	13.830	31.110	39.180	15.550	16.100	6.987
%RSD		3.586	3.210	2.786	3.113	3.567	3.215	3.261	2.822
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:32:56	247.300	511.800	517.300	37.590	10.330	9.324	0.000	966.200
2	15:33:39	242.900	489.700	484.700	34.560	9.059	8.405	0.000	923.200
3	15:34:22	248.100	511.100	513.400	39.270	10.020	9.904	0.000	952.500
X		246.100	504.200	505.100	37.140	9.802	9.211	0.000	947.300
σ		2.806	12.510	17.780	2.384	0.662	0.755	0.000	21.980
%RSD		1.140	2.482	3.521	6.419	6.754	8.201	0.000	2.320
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:32:56	66.354%	1011.000	1041.000	63.137%	51.990	52.770	51.090	46.020
2	15:33:39	66.536%	976.100	998.200	63.340%	49.830	50.980	50.100	43.360
3	15:34:22	64.591%	1004.000	1045.000	60.986%	52.810	52.850	50.740	43.470
X		65.827%	997.100	1028.000	62.488%	51.540	52.200	50.640	44.280
σ		1.074%	18.480	25.820	1.304%	1.537	1.058	0.497	1.505
%RSD		1.632	1.853	2.512	2.087	2.981	2.026	0.981	3.398
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:32:56	66.528%	1961.000	475.000	477.100	1959.000	1953.000	71.867%	73.262%
2	15:33:39	66.049%	1912.000	466.700	465.500	1899.000	1893.000	73.776%	74.905%
3	15:34:22	64.795%	1988.000	483.800	482.900	1980.000	1949.000	72.002%	73.128%
X		65.790%	1954.000	475.200	475.200	1946.000	1932.000	72.549%	73.765%
σ		0.895%	38.450	8.579	8.853	42.240	33.360	1.065%	0.989%
%RSD		1.360	1.968	1.805	1.863	2.171	1.727	1.469	1.341
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	15:32:56	49.210	49.530	19.360	20.990	20.140	62.168%		
2	15:33:39	48.560	48.950	19.360	20.710	20.090	61.928%		
3	15:34:22	50.000	49.870	19.450	21.250	20.480	61.848%		
X		49.260	49.450	19.390	20.980	20.230	61.981%		
σ		0.722	0.465	0.049	0.268	0.213	0.166%		
%RSD		1.466	0.940	0.255	1.275	1.053	0.269		

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5/7/2013 3:40:24 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:41:07	100.029%	-0.008	1.573	1.827	0.000	12.320	2.845	3.508
2	15:41:50	98.197%	0.004	0.554	0.597	0.000	15.390	5.475	6.200
3	15:42:33	102.097%	-0.019	-2.844	-2.513	0.000	12.280	3.781	3.790
X		100.107%	-0.007	-0.239	-0.030	0.000	13.330	4.034	4.499
σ		1.951%	0.012	2.313	2.237	0.000	1.785	1.333	1.480
%RSD		1.949	158.100	967.000	7505.000	0.000	13.390	33.050	32.890
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:41:07	0.786	3.265	0.000	3.983	5.463	7.009	88.668%	0.025
2	15:41:50	0.903	3.864	0.000	6.124	-3.004	5.543	88.071%	-0.007
3	15:42:33	0.620	4.609	0.000	2.328	2.510	5.350	89.951%	0.189
X		0.770	3.913	0.000	4.145	1.656	5.968	88.897%	0.069
σ		0.142	0.673	0.000	1.903	4.298	0.907	0.961%	0.105
%RSD		18.480	17.210	0.000	45.920	259.500	15.200	1.081	151.800
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:41:07	-0.025	0.203	0.101	1.514	1.484	0.042	-0.014	0.037
2	15:41:50	-0.198	0.143	0.159	1.852	1.640	0.048	0.047	0.057
3	15:42:33	0.067	0.143	0.131	-0.097	1.014	0.029	0.016	0.082
X		-0.052	0.163	0.130	1.090	1.379	0.040	0.016	0.058
σ		0.134	0.035	0.029	1.042	0.326	0.009	0.030	0.022
%RSD		258.700	21.260	22.490	95.590	23.640	23.590	186.400	38.450
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:41:07	0.063	0.305	0.334	-0.227	-0.161	-0.153	0.000	0.075
2	15:41:50	0.038	0.383	0.347	-0.198	-0.156	-0.768	0.000	0.127
3	15:42:33	0.052	0.302	0.179	-0.254	-0.098	-0.722	0.000	0.073
X		0.051	0.330	0.287	-0.226	-0.138	-0.547	0.000	0.092
σ		0.013	0.046	0.094	0.028	0.035	0.343	0.000	0.031
%RSD		25.090	13.970	32.660	12.520	25.290	62.590	0.000	33.310
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:41:07	88.362%	0.983	1.246	89.414%	0.003	0.007	0.088	0.063
2	15:41:50	89.618%	1.226	1.062	89.868%	0.006	0.007	0.133	0.097
3	15:42:33	91.455%	1.145	1.194	91.034%	0.002	0.012	0.047	0.025
X		89.812%	1.118	1.167	90.105%	0.004	0.009	0.089	0.062
σ		1.555%	0.124	0.095	0.836%	0.002	0.003	0.043	0.036
%RSD		1.732	11.080	8.101	0.928	51.240	31.610	48.410	57.990
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:41:07	87.036%	0.605	0.781	0.824	0.100	0.195	87.995%	88.216%
2	15:41:50	89.713%	0.615	0.694	0.779	0.158	0.260	89.879%	89.590%
3	15:42:33	90.919%	0.577	0.701	0.722	0.093	0.127	92.300%	92.742%
X		89.222%	0.599	0.725	0.775	0.117	0.194	90.058%	90.183%
σ		1.987%	0.020	0.049	0.051	0.036	0.066	2.158%	2.321%
%RSD		2.227	3.330	6.691	6.606	30.480	34.210	2.396	2.573
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	15:41:07	0.041	0.045	0.126	0.127	0.123	87.891%		
2	15:41:50	0.056	0.045	0.120	0.129	0.132	89.388%		
3	15:42:33	0.044	0.049	0.115	0.112	0.121	94.318%		
X		0.047	0.046	0.120	0.123	0.125	90.532%		
σ		0.008	0.002	0.005	0.009	0.006	3.363%		
%RSD		16.620	3.890	4.375	7.264	4.743	3.715		

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5/7/2013 3:48:36 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:49:19	71.011%	49.780	950.400	915.400	0.000	45530.000	45320.000	45610.000
2	15:50:02	66.075%	51.750	966.700	921.500	0.000	44980.000	44580.000	44890.000
3	15:50:45	66.443%	50.440	979.800	900.800	0.000	43570.000	44100.000	43800.000
X		67.843%	50.660	965.700	912.600	0.000	44690.000	44670.000	44770.000
σ		2.749%	1.005	14.770	10.630	0.000	1010.000	610.200	911.000
%RSD		4.053	1.985	1.529	1.165	0.000	2.260	1.366	2.035
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:49:19	1768.000	8806.000	0.000	46270.000	47510.000	45300.000	58.465%	1015.000
2	15:50:02	1734.000	8714.000	0.000	46260.000	47330.000	44910.000	55.795%	1007.000
3	15:50:45	1673.000	8371.000	0.000	45180.000	47380.000	44630.000	53.348%	1006.000
X		1725.000	8631.000	0.000	45900.000	47410.000	44950.000	55.869%	1009.000
σ		47.970	229.000	0.000	625.500	93.120	337.000	2.559%	4.837
%RSD		2.780	2.654	0.000	1.363	0.196	0.750	4.580	0.479
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:49:19	493.800	198.000	500.300	1002.000	1115.000	490.000	490.000	249.300
2	15:50:02	483.600	194.900	497.900	1001.000	1098.000	484.900	477.900	245.900
3	15:50:45	482.900	194.000	500.800	992.700	1114.000	479.400	478.200	239.700
X		486.800	195.600	499.600	998.600	1109.000	484.800	482.000	245.000
σ		6.083	2.083	1.565	5.065	9.777	5.275	6.888	4.872
%RSD		1.250	1.065	0.313	0.507	0.882	1.088	1.429	1.989
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:49:19	250.600	464.700	462.600	35.430	8.627	7.937	0.000	1001.000
2	15:50:02	246.400	457.100	462.300	36.290	9.219	8.632	0.000	1012.000
3	15:50:45	240.100	454.000	454.500	37.200	7.502	8.880	0.000	988.300
X		245.700	458.600	459.800	36.310	8.449	8.483	0.000	1000.000
σ		5.281	5.508	4.566	0.884	0.872	0.489	0.000	11.630
%RSD		2.150	1.201	0.993	2.434	10.320	5.762	0.000	1.163
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:49:19	57.575%	1067.000	1081.000	59.146%	49.240	49.080	45.850	41.410
2	15:50:02	55.645%	1075.000	1080.000	57.567%	49.370	49.820	46.680	40.650
3	15:50:45	55.484%	1049.000	1074.000	56.870%	48.540	48.110	47.030	40.010
X		56.235%	1064.000	1079.000	57.861%	49.050	49.000	46.520	40.690
σ		1.164%	13.580	3.624	1.166%	0.446	0.856	0.603	0.701
%RSD		2.069	1.277	0.336	2.015	0.910	1.747	1.295	1.722
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:49:19	62.422%	1977.000	462.600	459.000	1854.000	1829.000	71.734%	72.564%
2	15:50:02	61.674%	1975.000	468.700	465.000	1839.000	1819.000	72.600%	73.788%
3	15:50:45	61.331%	1964.000	461.500	458.100	1827.000	1800.000	72.820%	73.808%
X		61.809%	1972.000	464.300	460.700	1840.000	1816.000	72.385%	73.387%
σ		0.558%	7.028	3.866	3.714	13.610	14.820	0.574%	0.713%
%RSD		0.902	0.356	0.833	0.806	0.740	0.816	0.794	0.971
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	15:49:19	45.200	45.090	18.100	20.250	19.150	59.795%		
2	15:50:02	45.680	45.640	18.330	20.050	19.140	60.570%		
3	15:50:45	45.000	44.790	18.070	19.390	18.790	61.738%		
X		45.290	45.170	18.170	19.900	19.030	60.701%		
σ		0.348	0.432	0.141	0.450	0.201	0.978%		
%RSD		0.769	0.957	0.778	2.260	1.055	1.612		

LCSD 180-70056/3-A

5/7/2013 3:56:49 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:57:32	70.593%	50.780	948.300	911.300	0.000	45170.000	45390.000	45960.000
2	15:58:14	66.806%	49.980	980.000	939.000	0.000	45000.000	44070.000	44020.000
3	15:58:57	64.846%	52.120	971.600	928.800	0.000	43880.000	43960.000	44410.000
x		67.415%	50.960	966.600	926.300	0.000	44680.000	44470.000	44800.000
σ		2.921%	1.080	16.410	13.980	0.000	699.600	796.300	1030.000
%RSD		4.333	2.120	1.698	1.510	0.000	1.566	1.790	2.300
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:57:32	1766.000	8851.000	0.000	46800.000	48830.000	45880.000	56.192%	1030.000
2	15:58:14	1725.000	8718.000	0.000	46500.000	47520.000	45370.000	54.389%	1000.000
3	15:58:57	1700.000	8581.000	0.000	46090.000	46980.000	45160.000	52.246%	975.300
x		1730.000	8717.000	0.000	46460.000	47780.000	45470.000	54.276%	1002.000
σ		32.990	135.000	0.000	356.800	949.000	369.200	1.976%	27.320
%RSD		1.907	1.548	0.000	0.768	1.986	0.812	3.640	2.727
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:57:32	488.000	197.800	497.300	1004.000	1104.000	491.100	487.200	247.000
2	15:58:14	484.600	192.700	496.900	993.500	1110.000	480.300	480.800	241.300
3	15:58:57	479.700	193.700	492.300	981.500	1097.000	475.800	473.700	239.600
x		484.100	194.700	495.500	993.100	1104.000	482.400	480.600	242.600
σ		4.175	2.726	2.742	11.330	6.105	7.819	6.734	3.852
%RSD		0.862	1.400	0.553	1.141	0.553	1.621	1.401	1.588
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:57:32	248.500	455.200	457.400	34.190	8.748	7.676	0.000	979.400
2	15:58:14	248.000	452.900	460.000	32.880	7.759	8.863	0.000	987.500
3	15:58:57	241.700	450.200	455.000	36.340	7.821	8.583	0.000	980.800
x		246.100	452.800	457.500	34.470	8.109	8.374	0.000	982.600
σ		3.773	2.464	2.478	1.746	0.554	0.621	0.000	4.368
%RSD		1.534	0.544	0.542	5.065	6.830	7.412	0.000	0.445
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:57:32	57.105%	1048.000	1069.000	57.267%	49.340	50.260	45.720	40.450
2	15:58:14	55.953%	1052.000	1079.000	56.024%	49.790	50.220	46.880	40.810
3	15:58:57	55.186%	1061.000	1080.000	55.685%	47.710	48.610	46.050	40.150
x		56.081%	1054.000	1076.000	56.326%	48.950	49.690	46.210	40.470
σ		0.966%	6.526	6.080	0.833%	1.093	0.939	0.598	0.330
%RSD		1.723	0.619	0.565	1.478	2.234	1.889	1.294	0.815
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:57:32	60.603%	1984.000	468.900	463.800	1848.000	1834.000	69.470%	70.769%
2	15:58:14	59.003%	2025.000	476.000	473.100	1854.000	1825.000	71.058%	71.857%
3	15:58:57	59.721%	1991.000	470.200	464.700	1833.000	1819.000	71.260%	72.307%
x		59.775%	2000.000	471.700	467.200	1845.000	1826.000	70.596%	71.644%
σ		0.801%	21.530	3.741	5.130	11.200	7.736	0.980%	0.791%
%RSD		1.341	1.076	0.793	1.098	0.607	0.424	1.388	1.103
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	15:57:32	44.990	45.220	18.210	19.830	18.890	57.855%		
2	15:58:14	45.510	45.850	18.000	19.700	18.830	59.449%		
3	15:58:57	45.240	44.990	17.960	20.020	18.840	59.941%		
x		45.250	45.350	18.050	19.850	18.850	59.082%		
σ		0.258	0.444	0.133	0.163	0.032	1.090%		
%RSD		0.571	0.978	0.736	0.818	0.168	1.846		

CCV 801624 5/7/2013 4:05:00 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:05:43	90.636%	103.900	95.950	97.160	0.000	47670.000	48800.000	48550.000
2	16:06:26	87.040%	105.300	97.170	98.460	0.000	48290.000	48860.000	48200.000
3	16:07:09	86.769%	101.000	92.490	92.310	0.000	45460.000	46230.000	46980.000
x		88.148%	103.393%	95.202%	95.976%	0.000	94.286%	95.927%	95.820%
σ		2.158%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		2.449	2.152	2.547	3.378	0.000	3.155	3.129	1.726
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:05:43	498.300	5032.000	0.000	48500.000	49370.000	46260.000	78.073%	102.400
2	16:06:26	490.500	5005.000	0.000	49210.000	49650.000	46530.000	75.210%	101.800
3	16:07:09	473.200	4813.000	0.000	47090.000	46850.000	45380.000	76.196%	101.600
x		97.466%	99.000%	0.000	96.540%	97.248%	92.109%	76.493%	101.915%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.454%	n/a
%RSD		2.639	2.410	0.000	2.240	3.174	1.300	1.901	0.424
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:05:43	99.890	99.240	495.200	25290.000	25240.000	102.600	105.700	105.100
2	16:06:26	100.200	102.700	502.100	25530.000	25460.000	102.000	103.500	105.700
3	16:07:09	96.210	96.510	486.400	24450.000	24490.000	97.720	97.220	100.800
x		98.775%	99.478%	98.915%	100.367%	100.250%	100.769%	102.115%	103.870%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		2.252	3.113	1.584	2.267	2.042	2.642	4.288	2.588
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:05:43	105.000	104.400	103.600	103.200	102.300	100.600	0.000	95.740
2	16:06:26	107.300	105.700	104.800	99.760	101.300	99.830	0.000	94.930
3	16:07:09	98.420	100.900	101.000	96.480	100.200	96.850	0.000	93.070
x		103.577%	103.687%	103.113%	99.810%	101.235%	99.099%	0.000	94.579%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		4.446	2.373	1.889	3.360	1.040	2.001	0.000	1.444
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:05:43	77.309%	103.000	105.800	73.183%	101.700	100.300	98.430	97.920
2	16:06:26	77.031%	103.100	105.900	73.361%	99.430	100.500	96.490	98.100
3	16:07:09	77.789%	101.800	103.800	74.579%	97.010	97.440	96.530	96.720
x		77.376%	102.597%	105.169%	73.708%	99.383%	99.437%	97.151%	97.582%
σ		0.383%	n/a	n/a	0.760%	n/a	n/a	n/a	n/a
%RSD		0.495	0.715	1.090	1.031	2.362	1.742	1.144	0.766
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:05:43	75.715%	97.340	96.970	95.900	94.310	95.520	76.753%	78.281%
2	16:06:26	75.095%	98.830	98.760	98.450	95.040	95.590	78.094%	79.473%
3	16:07:09	76.620%	95.920	96.270	95.070	91.060	91.730	80.783%	81.449%
x		75.810%	97.364%	97.335%	96.472%	93.468%	94.280%	78.543%	79.735%
σ		0.767%	n/a	n/a	n/a	n/a	n/a	2.052%	1.600%
%RSD		1.011	1.492	1.317	1.824	2.267	2.343	2.613	2.007
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	16:05:43	96.750	96.460	98.240	97.160	97.430	65.843%		
2	16:06:26	96.660	97.190	97.960	97.220	97.800	66.866%		
3	16:07:09	93.950	93.930	94.570	94.280	94.770	69.010%		
x		95.785%	95.860%	96.920%	96.223%	96.666%	67.240%		
σ		n/a	n/a	n/a	n/a	n/a	1.616%		
%RSD		1.663	1.781	2.108	1.746	1.710	2.404		

CCB3 5/7/2013 4:13:14 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:13:57	113.962%	-0.009	-6.196	-5.854	0.000	9.304	6.170	7.232
2	16:14:40	110.517%	0.002	-6.602	-7.130	0.000	15.120	12.950	12.190
3	16:15:23	112.797%	0.012	-7.157	-7.025	0.000	14.020	11.140	12.040
x		112.425%	0.001	-6.652	-6.670	0.000	12.820	10.090	10.490
σ		1.752%	0.010	0.482	0.708	0.000	3.089	3.511	2.820
%RSD		1.559	736.600	7.249	10.620	0.000	24.110	34.810	26.890
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:13:57	2.252	-0.528	0.000	0.507	-0.990	9.323	103.238%	-0.240
2	16:14:40	2.722	1.441	0.000	3.791	8.592	12.360	104.511%	-0.095
3	16:15:23	2.786	0.159	0.000	2.379	1.385	13.990	104.161%	-0.183
x		2.587	0.357	0.000	2.226	2.996	11.890	103.970%	-0.173
σ		0.292	0.999	0.000	1.647	4.990	2.370	0.657%	0.073
%RSD		11.270	280.000	0.000	74.010	166.600	19.930	0.632	42.180
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:13:57	-0.052	0.065	0.606	10.160	8.036	0.013	0.046	0.053
2	16:14:40	0.102	0.032	0.607	11.710	8.852	0.037	0.097	0.044
3	16:15:23	0.007	0.024	0.685	12.330	9.928	0.027	0.071	0.068
x		0.019	0.040	0.632	11.400	8.939	0.026	0.072	0.055
σ		0.078	0.021	0.046	1.119	0.949	0.012	0.026	0.012
%RSD		408.500	53.040	7.220	9.815	10.610	45.540	35.570	22.010
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:13:57	0.041	0.110	0.131	-0.049	0.032	0.157	0.000	0.039
2	16:14:40	0.134	0.045	0.047	-0.044	-0.030	-0.314	0.000	0.055
3	16:15:23	0.075	0.054	0.046	0.002	-0.271	-0.440	0.000	0.042
x		0.083	0.069	0.075	-0.030	-0.089	-0.199	0.000	0.045
σ		0.047	0.035	0.048	0.028	0.160	0.315	0.000	0.009
%RSD		56.500	50.320	65.030	93.920	179.000	158.100	0.000	19.250
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:13:57	99.505%	0.673	0.785	100.526%	0.003	0.007	0.171	0.116
2	16:14:40	100.725%	0.594	0.705	101.883%	0.027	0.011	0.176	0.113
3	16:15:23	101.948%	0.627	0.582	102.087%	0.026	0.015	0.175	0.127
x		100.726%	0.631	0.691	101.499%	0.019	0.011	0.174	0.118
σ		1.222%	0.040	0.102	0.848%	0.014	0.004	0.003	0.007
%RSD		1.213	6.346	14.820	0.836	74.590	40.760	1.513	6.194
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:13:57	96.189%	0.278	0.101	0.071	-0.005	0.042	93.042%	93.046%
2	16:14:40	99.211%	0.324	0.133	0.148	0.050	0.118	95.909%	95.406%
3	16:15:23	98.350%	0.341	0.165	0.120	0.002	0.096	95.850%	96.814%
x		97.917%	0.314	0.133	0.113	0.016	0.085	94.934%	95.089%
σ		1.557%	0.033	0.032	0.038	0.030	0.039	1.639%	1.904%
%RSD		1.590	10.440	24.250	34.100	190.100	45.990	1.726	2.003
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	16:13:57	0.052	0.051	0.201	0.200	0.203	93.434%		
2	16:14:40	0.058	0.063	0.213	0.188	0.212	95.474%		
3	16:15:23	0.066	0.060	0.232	0.205	0.209	96.108%		
x		0.059	0.058	0.215	0.198	0.208	95.006%		
σ		0.007	0.006	0.015	0.009	0.005	1.397%		
%RSD		12.110	10.930	7.114	4.320	2.296	1.471		

320-2360-D-1-A

5/7/2013 4:21:29 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:22:11	84.060%	0.176	2.955	2.737	0.000	2343.000	1605.000	1595.000
2	16:22:54	82.651%	0.080	2.620	3.490	0.000	2281.000	1544.000	1565.000
3	16:23:37	78.952%	0.145	2.874	2.013	0.000	2306.000	1517.000	1519.000
X		81.888%	0.134	2.816	2.747	0.000	2310.000	1555.000	1559.000
σ		2.638%	0.049	0.175	0.738	0.000	31.350	45.440	38.130
%RSD		3.222	36.330	6.206	26.880	0.000	1.357	2.921	2.445
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:22:11	250.000	1608.000	0.000	1204.000	490.100	392.400	67.487%	3.551
2	16:22:54	244.000	1564.000	0.000	1202.000	421.200	417.900	62.435%	3.082
3	16:23:37	243.300	1535.000	0.000	1177.000	415.100	387.600	59.788%	2.875
X		245.800	1569.000	0.000	1194.000	442.100	399.300	63.236%	3.169
σ		3.652	36.670	0.000	15.070	41.660	16.290	3.912%	0.346
%RSD		1.486	2.337	0.000	1.262	9.423	4.080	6.186	10.930
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:22:11	3.797	4.857	2.381	236.500	240.900	0.243	0.733	0.760
2	16:22:54	-0.153	4.485	2.430	230.700	237.300	0.176	0.673	0.720
3	16:23:37	1.382	4.252	2.428	231.600	231.800	0.254	0.875	0.802
X		1.675	4.531	2.413	232.900	236.700	0.224	0.760	0.761
σ		1.991	0.305	0.028	3.117	4.583	0.042	0.104	0.041
%RSD		118.800	6.742	1.159	1.338	1.937	18.810	13.640	5.370
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:22:11	0.841	3.414	3.960	-0.203	-0.205	-0.252	0.000	9.946
2	16:22:54	0.643	3.633	3.418	0.480	-0.257	-0.815	0.000	9.760
3	16:23:37	0.812	3.852	3.415	0.113	-0.237	-0.332	0.000	9.890
X		0.765	3.633	3.598	0.130	-0.233	-0.467	0.000	9.865
σ		0.107	0.219	0.314	0.342	0.026	0.305	0.000	0.096
%RSD		13.970	6.035	8.720	263.400	11.250	65.310	0.000	0.970
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:22:11	68.858%	1.290	1.505	68.291%	0.010	-0.003	-0.001	-0.034
2	16:22:54	65.926%	1.326	1.435	64.918%	-0.005	0.016	-0.027	-0.058
3	16:23:37	64.379%	1.437	1.397	63.272%	-0.000	-0.007	-0.099	-0.082
X		66.388%	1.351	1.446	65.493%	0.002	0.002	-0.042	-0.058
σ		2.275%	0.077	0.055	2.558%	0.008	0.012	0.051	0.024
%RSD		3.426	5.688	3.777	3.906	449.200	525.500	121.200	42.080
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:22:11	69.210%	11.980	0.671	0.810	10.040	9.351	73.468%	74.245%
2	16:22:54	67.737%	11.630	0.651	0.678	9.186	9.524	73.290%	73.825%
3	16:23:37	66.068%	11.120	0.810	0.726	9.144	9.657	71.646%	72.456%
X		67.672%	11.580	0.711	0.738	9.456	9.511	72.801%	73.509%
σ		1.572%	0.434	0.087	0.067	0.504	0.153	1.005%	0.935%
%RSD		2.324	3.748	12.190	9.048	5.331	1.613	1.380	1.272
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	16:22:11	0.035	0.047	0.591	0.582	0.582	67.134%		
2	16:22:54	0.051	0.046	0.552	0.588	0.553	66.105%		
3	16:23:37	0.054	0.050	0.499	0.522	0.519	65.213%		
X		0.047	0.048	0.547	0.564	0.551	66.151%		
σ		0.010	0.002	0.046	0.036	0.031	0.962%		
%RSD		21.710	4.490	8.469	6.439	5.705	1.454		

320-2360-D-1-A SD@5

5/7/2013 4:29:41 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:30:24	92.447%	0.006	-7.813	-7.024	0.000	471.700	319.700	324.300
2	16:31:07	89.076%	0.033	-7.032	-8.113	0.000	477.000	322.900	327.900
3	16:31:50	90.671%	0.006	-7.381	-7.924	0.000	453.200	303.800	313.700
X		90.731%	0.015	-7.408	-7.687	0.000	467.300	315.500	322.000
σ		1.686%	0.015	0.391	0.582	0.000	12.510	10.240	7.366
%RSD		1.858	102.000	5.281	7.564	0.000	2.677	3.247	2.288
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:30:24	52.320	332.300	0.000	233.500	61.600	78.760	77.924%	0.121
2	16:31:07	53.170	337.900	0.000	232.800	95.710	85.480	76.461%	0.331
3	16:31:50	49.770	323.600	0.000	222.700	68.700	81.820	77.257%	0.402
X		51.750	331.300	0.000	229.700	75.340	82.020	77.214%	0.284
σ		1.771	7.241	0.000	6.037	18.000	3.368	0.732%	0.146
%RSD		3.421	2.186	0.000	2.629	23.890	4.107	0.949	51.230
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:30:24	0.238	1.084	0.524	45.950	48.130	0.062	0.192	0.222
2	16:31:07	-0.112	0.929	0.507	45.180	50.360	0.054	0.184	0.380
3	16:31:50	0.195	1.024	0.532	42.150	47.110	0.028	0.249	0.345
X		0.107	1.012	0.521	44.430	48.530	0.048	0.208	0.316
σ		0.191	0.078	0.013	2.008	1.665	0.017	0.036	0.083
%RSD		177.900	7.725	2.484	4.519	3.430	36.120	17.100	26.300
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:30:24	0.258	1.249	0.981	-0.361	-0.063	-0.475	0.000	2.052
2	16:31:07	0.397	1.100	1.029	0.249	-0.175	-0.515	0.000	1.893
3	16:31:50	0.219	1.075	0.623	0.105	-0.312	-0.281	0.000	1.736
X		0.291	1.142	0.878	-0.002	-0.183	-0.424	0.000	1.894
σ		0.094	0.094	0.222	0.319	0.125	0.126	0.000	0.158
%RSD		32.110	8.234	25.260	14620.000	68.150	29.660	0.000	8.326
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:30:24	79.243%	0.150	0.144	79.219%	-0.005	-0.014	0.055	0.040
2	16:31:07	78.500%	0.137	0.145	79.118%	-0.001	-0.012	-0.040	-0.023
3	16:31:50	80.656%	0.106	0.171	80.524%	-0.003	-0.006	0.001	0.020
X		79.466%	0.131	0.153	79.620%	-0.003	-0.011	0.005	0.012
σ		1.095%	0.023	0.015	0.784%	0.002	0.004	0.048	0.032
%RSD		1.379	17.160	9.932	0.985	68.320	37.070	873.600	260.300
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:30:24	78.934%	0.343	0.028	0.041	1.554	1.999	81.374%	81.700%
2	16:31:07	79.804%	0.425	0.043	0.044	1.853	1.974	82.094%	82.548%
3	16:31:50	81.491%	0.396	0.039	0.042	1.923	1.788	85.229%	85.384%
X		80.076%	0.388	0.037	0.043	1.777	1.920	82.899%	83.211%
σ		1.300%	0.042	0.008	0.001	0.196	0.116	2.050%	1.929%
%RSD		1.624	10.760	21.080	3.047	11.020	6.013	2.473	2.319
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	16:30:24	0.009	0.018	0.164	0.194	0.196	79.177%		
2	16:31:07	0.017	0.018	0.196	0.166	0.191	81.274%		
3	16:31:50	0.020	0.018	0.186	0.180	0.193	86.126%		
X		0.015	0.018	0.182	0.180	0.193	82.193%		
σ		0.005	0.000	0.016	0.014	0.003	3.565%		
%RSD		34.210	0.684	8.790	7.727	1.410	4.337		

320-2360-D-1-B MS

5/7/2013 4:37:55 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:38:38	81.065%	45.970	882.000	848.500	0.000	44040.000	43300.000	43740.000
2	16:39:21	77.963%	43.970	875.100	828.000	0.000	42930.000	42060.000	42520.000
3	16:40:04	77.215%	44.550	875.600	839.900	0.000	42940.000	42560.000	42540.000
X		78.748%	44.830	877.500	838.800	0.000	43300.000	42640.000	42930.000
σ		2.042%	1.030	3.829	10.260	0.000	638.300	625.300	696.300
%RSD		2.593	2.298	0.436	1.223	0.000	1.474	1.467	1.622
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:38:38	1923.000	9817.000	0.000	45290.000	46960.000	43480.000	62.954%	949.400
2	16:39:21	1853.000	9457.000	0.000	44380.000	46450.000	43160.000	59.369%	955.100
3	16:40:04	1840.000	9439.000	0.000	44780.000	46340.000	43130.000	58.029%	949.900
X		1872.000	9571.000	0.000	44820.000	46580.000	43260.000	60.117%	951.500
σ		44.830	213.400	0.000	452.000	327.400	196.100	2.546%	3.138
%RSD		2.395	2.230	0.000	1.009	0.703	0.453	4.235	0.330
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:38:38	474.100	194.500	475.900	1198.000	1354.000	476.500	476.500	241.800
2	16:39:21	464.100	188.300	477.600	1203.000	1285.000	467.200	464.200	236.900
3	16:40:04	469.400	189.000	479.700	1201.000	1317.000	468.500	461.100	232.900
X		469.200	190.600	477.700	1201.000	1319.000	470.700	467.300	237.200
σ		5.023	3.384	1.895	2.160	34.860	5.043	8.119	4.443
%RSD		1.071	1.775	0.397	0.180	2.644	1.071	1.737	1.873
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:38:38	245.100	446.500	444.100	33.560	8.139	10.260	0.000	991.700
2	16:39:21	235.600	439.200	444.200	35.310	7.494	7.831	0.000	979.500
3	16:40:04	234.400	434.500	453.700	34.210	8.260	7.827	0.000	986.800
X		238.400	440.000	447.300	34.360	7.964	8.640	0.000	986.000
σ		5.841	6.013	5.488	0.887	0.412	1.403	0.000	6.133
%RSD		2.451	1.367	1.227	2.582	5.171	16.240	0.000	0.622
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:38:38	59.827%	1045.000	1056.000	60.646%	48.630	49.180	44.680	39.400
2	16:39:21	59.056%	1041.000	1062.000	59.494%	48.090	48.240	45.600	40.040
3	16:40:04	58.479%	1047.000	1066.000	59.396%	48.360	48.410	47.340	38.670
X		59.121%	1045.000	1061.000	59.845%	48.360	48.610	45.880	39.370
σ		0.676%	2.961	5.376	0.695%	0.267	0.500	1.351	0.686
%RSD		1.144	0.283	0.506	1.161	0.552	1.029	2.945	1.741
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:38:38	63.654%	1964.000	461.000	457.400	1885.000	1855.000	69.769%	71.193%
2	16:39:21	64.345%	1942.000	458.800	458.300	1852.000	1841.000	71.852%	73.341%
3	16:40:04	64.469%	1954.000	455.200	456.500	1864.000	1836.000	73.296%	74.033%
X		64.156%	1953.000	458.300	457.400	1867.000	1844.000	71.639%	72.856%
σ		0.439%	11.100	2.934	0.876	16.910	9.796	1.773%	1.480%
%RSD		0.684	0.568	0.640	0.192	0.906	0.531	2.475	2.032
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	16:38:38	46.930	46.940	18.640	20.910	19.790	58.235%		
2	16:39:21	47.190	47.120	19.280	21.000	20.200	59.802%		
3	16:40:04	47.530	47.520	18.800	20.670	19.680	60.768%		
X		47.220	47.190	18.910	20.860	19.890	59.602%		
σ		0.302	0.294	0.335	0.171	0.272	1.278%		
%RSD		0.639	0.624	1.773	0.818	1.368	2.144		

320-2360-D-1-A PDS

5/7/2013 4:46:07 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:46:50	84.289%	46.520	914.700	887.000	0.000	47100.000	45990.000	46160.000
2	16:47:33	79.510%	48.350	929.800	867.700	0.000	46720.000	45380.000	45820.000
3	16:48:16	73.897%	49.510	948.600	911.900	0.000	46940.000	45900.000	46720.000
X		79.232%	48.130	931.000	888.900	0.000	46920.000	45760.000	46230.000
σ		5.202%	1.506	16.970	22.150	0.000	190.400	329.500	453.800
%RSD		6.565	3.130	1.823	2.492	0.000	0.406	0.720	0.982
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:46:50	1953.000	9981.000	0.000	48460.000	48840.000	46330.000	62.953%	1005.000
2	16:47:33	1942.000	10080.000	0.000	48730.000	50030.000	47070.000	59.708%	1018.000
3	16:48:16	1912.000	9999.000	0.000	47450.000	49110.000	45830.000	57.959%	992.200
X		1936.000	10020.000	0.000	48210.000	49330.000	46410.000	60.207%	1005.000
σ		21.050	53.980	0.000	676.400	623.600	624.100	2.534%	12.950
%RSD		1.087	0.539	0.000	1.403	1.264	1.345	4.209	1.289
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:46:50	497.900	202.800	501.400	1235.000	1347.000	500.500	500.900	251.200
2	16:47:33	497.300	202.400	506.400	1237.000	1342.000	491.400	490.600	251.100
3	16:48:16	492.100	199.300	499.400	1214.000	1300.000	481.800	482.200	243.000
X		495.800	201.500	502.400	1229.000	1330.000	491.200	491.200	248.400
σ		3.179	1.935	3.606	12.730	26.160	9.329	9.351	4.728
%RSD		0.641	0.960	0.718	1.036	1.968	1.899	1.903	1.903
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:46:50	253.300	474.400	477.100	37.270	8.291	8.567	0.000	1036.000
2	16:47:33	249.200	469.600	466.700	36.070	8.450	9.331	0.000	1030.000
3	16:48:16	243.800	465.400	473.600	36.070	9.119	8.950	0.000	1019.000
X		248.800	469.800	472.500	36.470	8.620	8.949	0.000	1029.000
σ		4.735	4.463	5.281	0.693	0.439	0.382	0.000	8.607
%RSD		1.903	0.950	1.118	1.900	5.098	4.269	0.000	0.837
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:46:50	59.874%	1084.000	1099.000	61.405%	50.760	51.390	47.090	41.430
2	16:47:33	58.591%	1087.000	1105.000	59.427%	51.850	51.430	48.820	41.190
3	16:48:16	58.357%	1088.000	1105.000	59.341%	51.490	51.680	45.490	43.240
X		58.940%	1086.000	1103.000	60.058%	51.370	51.500	47.130	41.950
σ		0.817%	2.038	3.475	1.167%	0.550	0.157	1.662	1.125
%RSD		1.386	0.188	0.315	1.944	1.071	0.305	3.527	2.681
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:46:50	63.932%	2018.000	469.900	466.600	1942.000	1930.000	70.676%	71.031%
2	16:47:33	62.854%	2053.000	479.900	477.000	1977.000	1954.000	70.974%	72.533%
3	16:48:16	62.699%	2050.000	476.200	480.700	1959.000	1920.000	72.523%	73.034%
X		63.161%	2040.000	475.300	474.800	1959.000	1935.000	71.391%	72.199%
σ		0.672%	19.270	5.007	7.329	17.580	17.330	0.992%	1.042%
%RSD		1.063	0.944	1.053	1.544	0.897	0.895	1.389	1.443
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	16:46:50	50.210	49.910	20.140	21.940	21.110	57.148%		
2	16:47:33	50.800	50.250	20.150	21.790	20.950	58.341%		
3	16:48:16	49.600	49.360	19.720	21.110	20.420	60.309%		
X		50.200	49.840	20.000	21.610	20.830	58.599%		
σ		0.603	0.448	0.243	0.440	0.364	1.597%		
%RSD		1.200	0.898	1.216	2.037	1.750	2.725		

320-2360-D-2-A

5/7/2013 4:54:18 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:55:00	83.157%	0.052	19.830	17.110	0.000	2987.000	1177.000	1179.000
2	16:55:43	80.350%	0.039	19.230	15.880	0.000	2940.000	1148.000	1164.000
3	16:56:26	78.805%	0.041	16.900	13.740	0.000	2888.000	1127.000	1148.000
X		80.771%	0.044	18.650	15.580	0.000	2938.000	1151.000	1164.000
σ		2.206%	0.007	1.549	1.705	0.000	49.600	25.000	15.750
%RSD		2.731	15.240	8.306	10.940	0.000	1.688	2.172	1.353
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:55:00	399.700	3730.000	0.000	1342.000	448.700	381.300	62.481%	5.771
2	16:55:43	380.000	3626.000	0.000	1351.000	352.200	401.600	60.541%	6.014
3	16:56:26	377.600	3541.000	0.000	1359.000	386.800	392.500	57.684%	4.893
X		385.700	3632.000	0.000	1351.000	395.900	391.800	60.235%	5.559
σ		12.120	94.450	0.000	8.634	48.890	10.170	2.413%	0.589
%RSD		3.142	2.600	0.000	0.639	12.350	2.595	4.007	10.600
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:55:00	6.200	17.530	4.212	889.500	891.900	0.358	2.531	0.448
2	16:55:43	5.813	17.270	4.374	873.100	876.100	0.328	2.556	0.485
3	16:56:26	4.786	16.570	4.105	871.400	875.400	0.329	2.242	0.359
X		5.600	17.120	4.230	878.000	881.100	0.338	2.443	0.431
σ		0.730	0.494	0.136	9.997	9.347	0.017	0.175	0.064
%RSD		13.040	2.886	3.203	1.139	1.061	5.024	7.147	14.960
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:55:00	0.379	6.109	5.629	0.542	-0.067	-0.410	0.000	8.618
2	16:55:43	0.450	6.014	5.946	-0.344	-0.626	-0.899	0.000	8.449
3	16:56:26	0.515	6.560	5.803	0.381	-0.150	0.288	0.000	8.370
X		0.448	6.228	5.792	0.193	-0.281	-0.340	0.000	8.479
σ		0.068	0.291	0.159	0.472	0.302	0.597	0.000	0.127
%RSD		15.150	4.678	2.745	244.600	107.300	175.400	0.000	1.496
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:55:00	64.627%	1.637	1.490	63.686%	-0.005	-0.007	-0.026	-0.002
2	16:55:43	63.714%	1.082	1.147	62.793%	0.002	-0.002	-0.002	-0.030
3	16:56:26	63.225%	0.849	1.053	61.385%	0.022	0.006	0.057	0.046
X		63.855%	1.190	1.230	62.621%	0.007	-0.001	0.010	0.005
σ		0.711%	0.405	0.230	1.160%	0.014	0.006	0.042	0.039
%RSD		1.114	34.020	18.670	1.852	208.700	701.200	434.900	785.300
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:55:00	64.895%	10.580	1.508	1.492	13.250	12.220	69.364%	70.493%
2	16:55:43	64.943%	9.989	1.094	1.206	12.190	12.510	70.961%	72.284%
3	16:56:26	64.412%	8.723	0.818	0.700	12.360	12.240	70.700%	72.485%
X		64.750%	9.764	1.140	1.132	12.600	12.320	70.342%	71.754%
σ		0.294%	0.948	0.347	0.401	0.572	0.159	0.857%	1.097%
%RSD		0.454	9.713	30.470	35.400	4.541	1.288	1.218	1.528
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	16:55:00	0.111	0.127	0.552	0.465	0.511	62.767%		
2	16:55:43	0.104	0.130	0.494	0.523	0.498	63.258%		
3	16:56:26	0.092	0.113	0.464	0.459	0.471	64.979%		
X		0.102	0.123	0.503	0.482	0.493	63.668%		
σ		0.009	0.009	0.045	0.035	0.020	1.162%		
%RSD		9.184	7.107	8.856	7.301	4.086	1.825		

320-2360-D-3-A 5/7/2013 5:02:28 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:03:11	83.789%	0.107	13.290	10.950	0.000	2965.000	1140.000	1180.000
2	17:03:54	80.780%	0.054	12.580	10.240	0.000	2932.000	1131.000	1146.000
3	17:04:37	77.842%	0.102	13.600	11.010	0.000	2926.000	1126.000	1141.000
X		80.804%	0.088	13.160	10.730	0.000	2941.000	1132.000	1156.000
σ		2.973%	0.029	0.527	0.429	0.000	21.160	6.990	20.920
%RSD		3.680	33.590	4.009	4.002	0.000	0.720	0.617	1.810
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:03:11	399.200	3706.000	0.000	1357.000	333.700	406.600	62.340%	6.520
2	17:03:54	393.200	3625.000	0.000	1347.000	448.600	416.200	59.145%	6.312
3	17:04:37	388.400	3601.000	0.000	1353.000	343.000	402.500	57.073%	7.080
X		393.600	3644.000	0.000	1352.000	375.100	408.500	59.519%	6.637
σ		5.394	54.800	0.000	4.777	63.820	7.023	2.653%	0.397
%RSD		1.370	1.504	0.000	0.353	17.010	1.719	4.458	5.985
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:03:11	3.418	18.060	4.046	922.200	934.500	0.386	2.554	0.376
2	17:03:54	5.358	17.590	4.419	914.100	930.400	0.382	2.444	0.303
3	17:04:37	3.688	17.630	4.109	911.900	920.500	0.348	2.118	0.404
X		4.155	17.760	4.191	916.100	928.500	0.372	2.372	0.361
σ		1.051	0.258	0.200	5.448	7.179	0.021	0.227	0.052
%RSD		25.290	1.455	4.768	0.595	0.773	5.590	9.556	14.300
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:03:11	0.357	6.532	7.303	-0.410	-0.135	-0.222	0.000	8.283
2	17:03:54	0.322	6.280	6.241	0.143	-0.485	-0.304	0.000	8.362
3	17:04:37	0.480	6.666	6.215	0.380	-0.339	0.096	0.000	8.284
X		0.386	6.493	6.586	0.038	-0.320	-0.143	0.000	8.310
σ		0.083	0.196	0.621	0.406	0.175	0.212	0.000	0.045
%RSD		21.450	3.015	9.426	1072.000	54.880	147.400	0.000	0.547
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:03:11	64.358%	0.472	0.599	63.738%	0.002	-0.007	0.020	-0.019
2	17:03:54	64.004%	0.483	0.675	63.555%	-0.007	0.017	-0.059	0.001
3	17:04:37	63.616%	0.472	0.638	62.224%	-0.007	-0.004	0.002	0.035
X		63.993%	0.476	0.637	63.173%	-0.004	0.002	-0.012	0.006
σ		0.371%	0.006	0.038	0.826%	0.005	0.013	0.041	0.027
%RSD		0.580	1.350	6.003	1.308	137.500	612.100	333.300	483.100
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:03:11	65.623%	6.523	0.440	0.443	12.910	12.590	71.004%	72.424%
2	17:03:54	65.026%	6.805	0.427	0.430	12.130	12.890	72.067%	73.084%
3	17:04:37	64.933%	6.338	0.368	0.391	13.080	12.400	72.400%	73.091%
X		65.194%	6.555	0.411	0.421	12.710	12.630	71.824%	72.867%
σ		0.374%	0.235	0.038	0.027	0.502	0.247	0.729%	0.383%
%RSD		0.574	3.587	9.343	6.454	3.955	1.956	1.015	0.526
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	17:03:11	0.079	0.087	0.533	0.487	0.504	64.585%		
2	17:03:54	0.086	0.088	0.536	0.503	0.504	65.749%		
3	17:04:37	0.069	0.090	0.448	0.495	0.491	65.167%		
X		0.078	0.088	0.505	0.495	0.500	65.167%		
σ		0.009	0.002	0.050	0.008	0.007	0.582%		
%RSD		11.000	1.853	9.903	1.588	1.497	0.893		

320-2360-D-4-A

5/7/2013 5:10:39 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:11:22	79.568%	0.010	-2.885	-3.971	0.000	2243.000	131.200	136.300
2	17:12:05	76.853%	0.057	-3.875	-4.246	0.000	2248.000	131.200	130.900
3	17:12:48	76.587%	0.058	-5.118	-4.194	0.000	2204.000	130.400	132.800
X		77.669%	0.042	-3.959	-4.137	0.000	2231.000	130.900	133.300
σ		1.650%	0.027	1.119	0.146	0.000	23.980	0.473	2.752
%RSD		2.124	65.250	28.260	3.532	0.000	1.075	0.362	2.064
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:11:22	132.600	1801.000	0.000	97.060	749.300	593.700	62.114%	1.822
2	17:12:05	129.400	1792.000	0.000	102.500	619.800	638.500	58.570%	2.004
3	17:12:48	132.300	1748.000	0.000	97.550	535.000	643.400	57.577%	1.674
X		131.400	1780.000	0.000	99.040	634.700	625.200	59.420%	1.833
σ		1.807	28.160	0.000	3.015	107.900	27.400	2.385%	0.165
%RSD		1.375	1.582	0.000	3.045	17.010	4.382	4.014	9.016
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:11:22	1.242	5.174	13.410	368.000	368.700	0.371	2.522	1.062
2	17:12:05	0.550	4.543	13.290	372.100	378.400	0.401	2.526	1.108
3	17:12:48	-0.310	4.776	12.970	368.700	375.100	0.354	2.518	1.099
X		0.494	4.831	13.220	369.600	374.100	0.375	2.522	1.090
σ		0.778	0.319	0.228	2.173	4.928	0.024	0.004	0.024
%RSD		157.500	6.600	1.723	0.588	1.317	6.293	0.166	2.212
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:11:22	0.961	45.100	43.330	-0.324	-0.386	-0.569	0.000	8.748
2	17:12:05	1.102	43.130	44.820	-0.936	-0.489	-0.568	0.000	8.474
3	17:12:48	0.981	42.110	46.010	-1.360	-0.352	-0.359	0.000	8.758
X		1.014	43.450	44.720	-0.873	-0.409	-0.499	0.000	8.660
σ		0.076	1.519	1.344	0.521	0.072	0.121	0.000	0.161
%RSD		7.513	3.497	3.006	59.680	17.500	24.260	0.000	1.861
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:11:22	65.801%	0.200	0.235	64.701%	-0.005	-0.004	0.496	0.401
2	17:12:05	64.496%	0.213	0.284	63.060%	0.009	-0.002	0.326	0.272
3	17:12:48	64.072%	0.311	0.302	62.734%	-0.007	0.010	0.328	0.252
X		64.790%	0.241	0.274	63.498%	-0.001	0.001	0.383	0.308
σ		0.901%	0.060	0.034	1.054%	0.009	0.008	0.098	0.081
%RSD		1.391	25.030	12.520	1.660	1104.000	609.600	25.490	26.240
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:11:22	66.514%	4.747	0.298	0.279	14.450	14.770	72.666%	73.186%
2	17:12:05	66.081%	5.199	0.355	0.357	15.330	14.680	73.486%	74.471%
3	17:12:48	65.365%	5.368	0.312	0.337	15.390	14.620	73.436%	74.893%
X		65.987%	5.105	0.322	0.324	15.060	14.690	73.196%	74.183%
σ		0.581%	0.321	0.030	0.041	0.527	0.080	0.460%	0.889%
%RSD		0.880	6.290	9.218	12.530	3.503	0.546	0.628	1.199
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	17:11:22	0.030	0.019	0.918	0.922	0.934	67.060%		
2	17:12:05	0.024	0.034	0.993	0.914	0.949	67.338%		
3	17:12:48	0.031	0.034	0.977	0.914	0.956	67.045%		
X		0.029	0.029	0.963	0.917	0.947	67.147%		
σ		0.004	0.009	0.039	0.005	0.011	0.165%		
%RSD		13.730	29.880	4.084	0.494	1.184	0.246		

320-2360-D-5-A 5/7/2013 5:18:51 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:19:34	77.600%	0.102	86.890	78.040	0.000	5837.000	472.000	489.000
2	17:20:17	76.457%	0.227	82.650	77.930	0.000	5647.000	462.200	468.100
3	17:20:59	73.665%	0.173	86.100	77.870	0.000	5650.000	469.500	473.800
x		75.907%	0.167	85.210	77.950	0.000	5711.000	467.900	477.000
σ		2.024%	0.063	2.251	0.085	0.000	109.200	5.072	10.790
%RSD		2.667	37.510	2.642	0.110	0.000	1.912	1.084	2.262
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:19:34	119.500	3341.000	0.000	1001.000	3400.000	3340.000	59.141%	1.054
2	17:20:17	114.400	3219.000	0.000	996.800	3665.000	3394.000	57.495%	1.201
3	17:20:59	116.100	3219.000	0.000	997.000	3483.000	3421.000	55.202%	1.211
x		116.600	3260.000	0.000	998.100	3516.000	3385.000	57.279%	1.155
σ		2.606	70.440	0.000	2.141	135.400	40.990	1.978%	0.088
%RSD		2.234	2.161	0.000	0.215	3.851	1.211	3.454	7.597
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:19:34	-0.182	4.946	18.990	76.400	99.450	1.622	3.310	0.403
2	17:20:17	-0.688	4.374	18.730	67.030	82.000	1.562	3.750	0.289
3	17:20:59	-2.207	4.201	18.380	70.140	81.950	1.518	2.943	0.301
x		-1.026	4.507	18.700	71.190	87.800	1.567	3.334	0.331
σ		1.054	0.390	0.305	4.774	10.090	0.052	0.404	0.062
%RSD		102.800	8.643	1.631	6.706	11.490	3.318	12.130	18.770
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:19:34	0.309	8.982	8.765	-0.154	-0.384	-0.185	0.000	14.090
2	17:20:17	0.207	9.482	9.389	0.726	-0.198	-0.637	0.000	14.030
3	17:20:59	0.395	9.103	8.785	-0.517	-0.655	-0.269	0.000	14.090
x		0.303	9.189	8.980	0.018	-0.413	-0.363	0.000	14.070
σ		0.094	0.261	0.354	0.639	0.230	0.240	0.000	0.036
%RSD		30.940	2.838	3.947	3511.000	55.670	66.110	0.000	0.256
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:19:34	64.366%	0.206	0.212	62.148%	0.005	-0.002	0.256	0.183
2	17:20:17	62.630%	0.228	0.150	61.630%	0.003	0.006	0.176	0.224
3	17:20:59	61.694%	0.179	0.182	59.710%	0.018	0.016	0.125	0.191
x		62.897%	0.204	0.181	61.163%	0.008	0.007	0.185	0.199
σ		1.356%	0.025	0.031	1.285%	0.008	0.009	0.066	0.022
%RSD		2.156	12.130	17.090	2.100	95.510	133.700	35.620	10.920
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:19:34	65.208%	4.445	0.141	0.171	20.490	19.710	72.022%	71.858%
2	17:20:17	64.330%	4.969	0.197	0.217	20.920	19.700	71.721%	74.048%
3	17:20:59	64.349%	4.758	0.146	0.121	19.860	20.370	72.473%	73.859%
x		64.629%	4.724	0.162	0.170	20.420	19.930	72.072%	73.255%
σ		0.501%	0.263	0.031	0.048	0.531	0.382	0.379%	1.214%
%RSD		0.776	5.575	19.110	28.080	2.603	1.915	0.525	1.657
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	17:19:34	0.045	0.056	0.279	0.267	0.294	64.630%		
2	17:20:17	0.051	0.053	0.277	0.253	0.279	65.918%		
3	17:20:59	0.057	0.060	0.281	0.267	0.290	66.213%		
x		0.051	0.056	0.279	0.263	0.287	65.587%		
σ		0.006	0.003	0.002	0.008	0.008	0.842%		
%RSD		11.810	5.592	0.737	3.026	2.733	1.283		

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5/7/2013 5:27:02 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:27:45	94.024%	-0.007	-10.420	-11.050	0.000	10.440	-0.018	0.076
2	17:28:28	91.265%	0.006	-11.120	-11.050	0.000	11.650	0.294	0.061
3	17:29:11	91.323%	-0.006	-10.120	-11.890	0.000	12.120	0.341	0.254
X		92.204%	-0.002	-10.550	-11.330	0.000	11.400	0.206	0.131
σ		1.577%	0.007	0.510	0.483	0.000	0.867	0.195	0.107
%RSD		1.710	321.800	4.833	4.264	0.000	7.604	94.670	82.130
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:27:45	0.242	-0.079	0.000	-10.180	3.590	1.205	79.524%	0.265
2	17:28:28	0.371	0.955	0.000	-9.030	-5.854	1.112	77.894%	-0.153
3	17:29:11	0.337	0.748	0.000	-9.906	-2.684	-0.287	79.043%	-0.080
X		0.317	0.541	0.000	-9.707	-1.650	0.677	78.820%	0.011
σ		0.067	0.547	0.000	0.603	4.806	0.836	0.838%	0.223
%RSD		21.060	101.100	0.000	6.208	291.400	123.600	1.063	2104.000
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:27:45	-0.179	0.221	0.098	0.586	-0.341	-0.000	-0.013	0.148
2	17:28:28	0.083	0.312	0.100	-0.120	-0.963	-0.005	-0.012	0.124
3	17:29:11	0.209	0.204	0.108	-1.141	1.485	-0.005	0.043	0.170
X		0.038	0.246	0.102	-0.225	0.060	-0.003	0.006	0.148
σ		0.198	0.058	0.005	0.868	1.272	0.002	0.032	0.023
%RSD		525.800	23.630	5.388	385.700	2119.000	75.790	529.800	15.690
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:27:45	0.205	0.048	-0.024	-0.347	-0.553	-0.361	0.000	0.004
2	17:28:28	0.152	-0.064	-0.092	0.138	-0.033	-0.546	0.000	0.003
3	17:29:11	0.103	0.009	0.016	-0.115	-0.473	-0.330	0.000	0.009
X		0.153	-0.002	-0.033	-0.108	-0.353	-0.412	0.000	0.005
σ		0.051	0.057	0.055	0.243	0.280	0.117	0.000	0.003
%RSD		33.510	2495.000	164.100	224.300	79.320	28.410	0.000	59.200
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:27:45	80.789%	0.119	0.078	81.629%	-0.003	0.005	-0.010	-0.008
2	17:28:28	80.957%	0.072	0.061	81.215%	-0.005	-0.002	-0.005	-0.011
3	17:29:11	82.065%	0.084	0.040	82.469%	-0.005	-0.010	0.026	0.015
X		81.270%	0.092	0.060	81.771%	-0.004	-0.002	0.004	-0.001
σ		0.693%	0.025	0.019	0.639%	0.001	0.008	0.019	0.014
%RSD		0.853	27.040	31.920	0.781	26.280	312.300	533.700	1201.000
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:27:45	80.223%	0.106	0.002	0.018	-0.044	-0.015	81.750%	81.646%
2	17:28:28	80.787%	0.105	-0.004	0.014	-0.025	-0.004	82.739%	82.429%
3	17:29:11	82.497%	0.108	0.026	-0.002	-0.016	0.017	84.457%	84.949%
X		81.169%	0.106	0.008	0.010	-0.028	-0.001	82.982%	83.008%
σ		1.184%	0.001	0.016	0.011	0.014	0.016	1.370%	1.726%
%RSD		1.459	1.117	200.000	104.800	51.030	3044.000	1.651	2.079
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	17:27:45	0.007	0.008	0.066	0.058	0.070	80.958%		
2	17:28:28	0.005	0.007	0.067	0.068	0.073	80.645%		
3	17:29:11	0.004	0.006	0.073	0.069	0.078	82.735%		
X		0.005	0.007	0.069	0.065	0.074	81.446%		
σ		0.002	0.001	0.004	0.006	0.004	1.127%		
%RSD		34.380	16.800	5.095	9.212	5.979	1.384		

LCS 180-70380/2-A

5/7/2013 5:35:14 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:35:57	75.256%	49.170	925.600	895.900	0.000	45380.000	45770.000	45500.000
2	17:36:40	72.274%	51.010	927.500	889.900	0.000	42590.000	43100.000	43900.000
3	17:37:23	69.999%	49.950	941.100	900.000	0.000	43210.000	44120.000	43530.000
x		72.510%	50.040	931.400	895.300	0.000	43730.000	44330.000	44310.000
σ		2.636%	0.927	8.444	5.061	0.000	1465.000	1347.000	1045.000
%RSD		3.636	1.852	0.906	0.565	0.000	3.350	3.038	2.358
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:35:57	1748.000	8786.000	0.000	46740.000	48050.000	45400.000	58.604%	976.200
2	17:36:40	1707.000	8455.000	0.000	45730.000	47960.000	44900.000	56.322%	980.300
3	17:37:23	1665.000	8369.000	0.000	45870.000	47830.000	45160.000	55.759%	976.800
x		1707.000	8536.000	0.000	46110.000	47950.000	45150.000	56.895%	977.800
σ		41.570	220.200	0.000	543.100	113.900	247.800	1.507%	2.199
%RSD		2.435	2.579	0.000	1.178	0.237	0.549	2.648	0.225
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:35:57	493.000	197.700	495.800	1005.000	1116.000	494.300	500.600	252.300
2	17:36:40	484.000	193.200	491.400	983.500	1074.000	483.600	489.000	246.500
3	17:37:23	482.300	195.800	493.400	980.700	1085.000	474.000	480.300	239.900
x		486.400	195.500	493.500	989.700	1092.000	484.000	489.900	246.200
σ		5.754	2.264	2.190	13.300	21.760	10.130	10.190	6.211
%RSD		1.183	1.158	0.444	1.344	1.992	2.092	2.081	2.523
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:35:57	254.300	474.700	468.900	34.120	8.588	8.491	0.000	1004.000
2	17:36:40	246.600	455.700	455.700	34.670	8.429	8.984	0.000	1011.000
3	17:37:23	243.100	452.200	456.300	34.560	7.722	7.832	0.000	995.700
x		248.000	460.900	460.300	34.450	8.246	8.436	0.000	1004.000
σ		5.728	12.080	7.473	0.289	0.461	0.578	0.000	7.810
%RSD		2.309	2.621	1.623	0.839	5.590	6.852	0.000	0.778
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:35:57	56.853%	1050.000	1052.000	59.696%	49.380	49.650	45.420	39.420
2	17:36:40	55.571%	1058.000	1062.000	58.997%	48.640	49.160	45.350	39.870
3	17:37:23	55.900%	1053.000	1068.000	58.619%	48.490	49.300	46.240	40.120
x		56.108%	1054.000	1061.000	59.104%	48.840	49.370	45.670	39.800
σ		0.666%	4.094	7.982	0.546%	0.474	0.247	0.492	0.352
%RSD		1.186	0.389	0.752	0.924	0.970	0.501	1.078	0.885
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:35:57	62.007%	1919.000	457.000	452.100	1857.000	1827.000	68.917%	69.444%
2	17:36:40	61.863%	1926.000	456.100	454.800	1843.000	1824.000	70.702%	72.309%
3	17:37:23	62.529%	1917.000	461.400	462.200	1836.000	1815.000	71.056%	71.999%
x		62.133%	1920.000	458.200	456.400	1845.000	1822.000	70.225%	71.251%
σ		0.351%	5.088	2.811	5.256	10.780	6.428	1.147%	1.572%
%RSD		0.565	0.265	0.614	1.152	0.584	0.353	1.633	2.206
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	17:35:57	46.280	46.260	18.450	20.110	19.270	56.991%		
2	17:36:40	46.370	46.310	18.310	19.350	19.030	59.429%		
3	17:37:23	46.160	46.650	18.410	19.720	19.040	60.175%		
x		46.270	46.410	18.390	19.720	19.110	58.865%		
σ		0.106	0.215	0.073	0.380	0.135	1.666%		
%RSD		0.228	0.464	0.399	1.927	0.707	2.830		

CCV 801624 5/7/2013 5:43:27 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:44:09	91.016%	103.300	89.330	88.180	0.000	46560.000	47550.000	47790.000
2	17:44:52	90.214%	99.610	90.520	88.360	0.000	47060.000	47060.000	46770.000
3	17:45:35	89.597%	103.000	90.530	91.280	0.000	47300.000	47710.000	47540.000
x		90.276%	101.957%	90.124%	89.272%	0.000	93.949%	94.878%	94.729%
σ		0.712%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.788	1.997	0.766	1.950	0.000	0.799	0.717	1.113
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:44:09	489.600	5007.000	0.000	48370.000	48080.000	46180.000	77.065%	102.300
2	17:44:52	482.100	4901.000	0.000	48530.000	50460.000	46610.000	74.828%	102.000
3	17:45:35	487.800	4919.000	0.000	47700.000	48580.000	46610.000	74.222%	105.200
x		97.301%	98.843%	0.000	96.400%	98.082%	92.934%	75.372%	103.140%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.498%	n/a
%RSD		0.798	1.150	0.000	0.912	2.565	0.527	1.987	1.723
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:44:09	100.700	100.500	499.200	25250.000	25500.000	103.300	102.800	108.000
2	17:44:52	101.700	102.600	505.600	25560.000	25570.000	102.400	106.200	106.800
3	17:45:35	101.300	102.000	502.600	25490.000	25580.000	103.400	106.900	105.200
x		101.258%	101.717%	100.495%	101.746%	102.189%	103.046%	105.279%	106.678%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.505	1.051	0.633	0.632	0.173	0.521	2.099	1.299
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:44:09	107.200	105.200	104.500	100.400	103.200	98.000	0.000	95.570
2	17:44:52	105.900	104.900	103.200	99.330	102.000	100.600	0.000	95.620
3	17:45:35	105.700	106.100	105.300	102.600	103.300	99.820	0.000	94.910
x		106.249%	105.378%	104.337%	100.760%	102.840%	99.474%	0.000	95.365%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.752	0.564	1.029	1.650	0.678	1.341	0.000	0.415
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:44:09	78.410%	103.600	104.800	73.843%	101.400	100.800	97.190	99.520
2	17:44:52	76.512%	103.600	105.000	73.103%	99.760	100.900	98.730	98.690
3	17:45:35	77.343%	105.000	105.700	73.209%	99.970	101.700	99.420	98.950
x		77.422%	104.064%	105.170%	73.385%	100.368%	101.132%	98.449%	99.054%
σ		0.952%	n/a	n/a	0.400%	n/a	n/a	n/a	n/a
%RSD		1.229	0.801	0.476	0.545	0.874	0.467	1.158	0.430
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:44:09	75.308%	96.420	95.960	96.230	95.120	95.590	78.462%	79.246%
2	17:44:52	74.134%	97.930	98.660	97.580	99.060	96.430	78.793%	78.872%
3	17:45:35	74.885%	98.830	98.100	97.680	96.320	94.410	78.968%	79.033%
x		74.776%	97.726%	97.574%	97.160%	96.836%	95.477%	78.741%	79.051%
σ		0.594%	n/a	n/a	n/a	n/a	n/a	0.257%	0.188%
%RSD		0.795	1.244	1.465	0.835	2.084	1.067	0.326	0.237
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	17:44:09	96.140	95.470	96.420	95.900	96.570	67.917%		
2	17:44:52	96.990	97.810	98.560	97.410	98.130	67.095%		
3	17:45:35	96.840	97.170	98.280	97.000	97.710	67.807%		
x		96.656%	96.816%	97.753%	96.770%	97.469%	67.606%		
σ		n/a	n/a	n/a	n/a	n/a	0.446%		
%RSD		0.472	1.250	1.188	0.809	0.826	0.660		

CCB4 5/7/2013 5:51:41 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:52:24	108.582%	0.013	-8.714	-9.106	0.000	9.378	4.841	5.567
2	17:53:07	107.863%	-0.019	-9.902	-9.828	0.000	9.348	6.212	4.912
3	17:53:50	108.530%	0.013	-11.220	-10.470	0.000	10.680	6.310	6.478
X		108.325%	0.002	-9.945	-9.800	0.000	9.801	5.788	5.652
σ		0.401%	0.018	1.252	0.680	0.000	0.758	0.821	0.786
%RSD		0.370	873.700	12.590	6.942	0.000	7.737	14.190	13.920
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:52:24	1.843	-1.503	0.000	-5.768	6.808	8.330	99.195%	-0.296
2	17:53:07	1.805	-1.376	0.000	-5.340	4.224	7.358	99.767%	-0.051
3	17:53:50	1.741	-1.298	0.000	-5.643	1.688	8.694	99.961%	-0.083
X		1.796	-1.392	0.000	-5.583	4.240	8.127	99.641%	-0.143
σ		0.052	0.103	0.000	0.220	2.560	0.690	0.398%	0.133
%RSD		2.875	7.425	0.000	3.940	60.380	8.495	0.399	92.950
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:52:24	0.030	0.058	0.566	8.642	4.657	0.004	0.058	0.036
2	17:53:07	0.027	0.081	0.622	7.172	5.484	0.004	0.003	0.020
3	17:53:50	-0.032	-0.032	0.512	7.655	4.601	0.005	0.030	0.070
X		0.009	0.036	0.567	7.823	4.914	0.004	0.030	0.042
σ		0.035	0.060	0.055	0.749	0.495	0.001	0.027	0.026
%RSD		414.800	166.900	9.727	9.578	10.060	22.950	90.530	61.000
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:52:24	0.006	0.082	0.045	-0.114	0.409	-0.368	0.000	0.017
2	17:53:07	0.080	0.076	0.039	-0.000	0.112	-0.251	0.000	0.020
3	17:53:50	0.117	0.075	-0.005	-0.180	0.106	-0.485	0.000	0.022
X		0.068	0.078	0.026	-0.098	0.209	-0.368	0.000	0.020
σ		0.056	0.004	0.027	0.091	0.173	0.117	0.000	0.003
%RSD		83.280	4.953	102.300	92.650	82.820	31.780	0.000	13.260
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:52:24	96.324%	0.466	0.484	97.603%	0.000	-0.001	0.106	0.072
2	17:53:07	99.198%	0.566	0.483	99.400%	0.001	-0.004	0.063	0.066
3	17:53:50	99.496%	0.591	0.489	100.382%	-0.008	-0.005	0.038	0.047
X		98.340%	0.541	0.485	99.128%	-0.002	-0.003	0.069	0.062
σ		1.752%	0.066	0.004	1.409%	0.005	0.002	0.034	0.013
%RSD		1.782	12.220	0.730	1.422	223.000	61.900	49.660	21.060
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:52:24	93.418%	0.167	0.075	0.054	0.005	0.057	92.692%	93.318%
2	17:53:07	95.731%	0.199	0.086	0.058	-0.013	0.046	94.608%	95.277%
3	17:53:50	97.788%	0.220	0.075	0.067	0.002	0.008	96.042%	96.351%
X		95.646%	0.195	0.079	0.060	-0.002	0.037	94.448%	94.982%
σ		2.186%	0.026	0.006	0.007	0.010	0.026	1.681%	1.538%
%RSD		2.286	13.570	7.787	10.970	448.300	69.160	1.780	1.619
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	17:52:24	0.036	0.032	0.179	0.163	0.169	92.721%		
2	17:53:07	0.031	0.036	0.168	0.174	0.168	96.405%		
3	17:53:50	0.038	0.038	0.161	0.176	0.166	98.379%		
X		0.035	0.036	0.169	0.171	0.167	95.835%		
σ		0.004	0.003	0.009	0.007	0.002	2.872%		
%RSD		10.520	8.600	5.371	4.161	0.921	2.997		

320-2369-D-1-A 5/7/2013 5:59:56 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:00:39	80.535%	0.054	0.604	0.360	0.000	1608.000	612.300	625.600
2	18:01:22	76.089%	0.089	1.735	0.922	0.000	1599.000	608.700	613.000
3	18:02:05	76.817%	0.058	1.047	-1.075	0.000	1560.000	578.800	599.100
X		77.814%	0.067	1.129	0.069	0.000	1589.000	599.900	612.600
σ		2.385%	0.019	0.570	1.030	0.000	25.430	18.430	13.260
%RSD		3.065	28.960	50.470	1492.000	0.000	1.600	3.071	2.165
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:00:39	52.100	2027.000	0.000	1032.000	214.000	263.100	62.388%	1.031
2	18:01:22	50.140	1978.000	0.000	1045.000	249.200	266.900	57.657%	1.356
3	18:02:05	49.990	1946.000	0.000	1029.000	253.200	257.000	55.705%	1.143
X		50.740	1984.000	0.000	1035.000	238.800	262.300	58.583%	1.176
σ		1.178	40.520	0.000	8.497	21.530	4.989	3.436%	0.165
%RSD		2.321	2.043	0.000	0.821	9.018	1.902	5.866	14.050
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:00:39	-3.518	4.559	2.086	66.630	70.100	0.478	1.938	0.380
2	18:01:22	-0.519	4.598	2.111	65.350	71.860	0.389	2.268	0.319
3	18:02:05	-1.568	4.199	2.183	63.850	68.600	0.513	1.779	0.257
X		-1.868	4.452	2.127	65.280	70.190	0.460	1.995	0.319
σ		1.522	0.220	0.051	1.394	1.631	0.064	0.249	0.061
%RSD		81.480	4.933	2.386	2.135	2.324	13.950	12.500	19.210
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:00:39	0.320	4.719	5.040	0.692	-0.045	-0.121	0.000	4.586
2	18:01:22	0.381	4.503	5.112	-0.421	-0.260	-0.488	0.000	4.643
3	18:02:05	0.292	4.120	4.851	-1.363	0.108	-0.753	0.000	4.605
X		0.331	4.447	5.001	-0.364	-0.065	-0.454	0.000	4.611
σ		0.046	0.303	0.134	1.029	0.185	0.318	0.000	0.029
%RSD		13.820	6.825	2.688	282.800	283.200	69.960	0.000	0.631
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:00:39	64.990%	0.365	0.285	64.276%	-0.000	0.000	0.023	0.060
2	18:01:22	62.486%	0.237	0.388	62.131%	-0.002	-0.004	0.087	0.041
3	18:02:05	61.049%	0.234	0.399	60.235%	-0.002	-0.009	-0.037	-0.072
X		62.842%	0.279	0.357	62.214%	-0.001	-0.004	0.024	0.010
σ		1.994%	0.075	0.063	2.022%	0.001	0.005	0.062	0.072
%RSD		3.174	26.910	17.660	3.250	81.680	111.400	253.200	752.600
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:00:39	65.066%	8.289	0.201	0.195	15.520	15.270	71.651%	72.677%
2	18:01:22	64.632%	7.433	0.149	0.165	15.740	15.950	71.062%	72.676%
3	18:02:05	63.394%	6.993	0.197	0.228	15.570	16.160	71.146%	72.749%
X		64.364%	7.572	0.183	0.196	15.610	15.790	71.286%	72.701%
σ		0.868%	0.659	0.029	0.032	0.115	0.467	0.319%	0.042%
%RSD		1.348	8.703	15.830	16.120	0.738	2.954	0.447	0.058
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	18:00:39	0.030	0.039	0.372	0.417	0.401	65.078%		
2	18:01:22	0.035	0.034	0.382	0.359	0.392	65.163%		
3	18:02:05	0.038	0.040	0.343	0.348	0.353	65.735%		
X		0.035	0.038	0.366	0.374	0.382	65.325%		
σ		0.004	0.003	0.020	0.037	0.025	0.357%		
%RSD		11.690	8.148	5.563	9.860	6.641	0.547		

320-2369-D-2-A 5/7/2013 6:08:10 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:08:53	79.320%	-0.004	32.110	27.930	0.000	6478.000	381.300	401.900
2	18:09:36	73.884%	0.045	27.980	27.540	0.000	6385.000	369.600	380.700
3	18:10:19	72.518%	-0.003	29.070	28.190	0.000	6440.000	378.200	392.500
X		75.241%	0.012	29.720	27.890	0.000	6434.000	376.400	391.700
σ		3.598%	0.028	2.138	0.327	0.000	46.790	6.065	10.660
%RSD		4.782	223.600	7.193	1.174	0.000	0.727	1.611	2.722
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:08:53	34.480	2596.000	0.000	755.100	283.700	336.700	58.459%	0.917
2	18:09:36	33.450	2539.000	0.000	729.100	304.200	314.000	55.432%	1.315
3	18:10:19	32.370	2545.000	0.000	749.100	296.900	322.900	53.438%	1.035
X		33.430	2560.000	0.000	744.400	295.000	324.500	55.776%	1.089
σ		1.058	31.480	0.000	13.610	10.400	11.460	2.528%	0.204
%RSD		3.164	1.230	0.000	1.828	3.526	3.533	4.532	18.760
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:08:53	-0.928	4.204	4.019	18.190	21.950	0.242	1.149	0.368
2	18:09:36	-0.656	3.814	4.036	16.860	23.550	0.245	1.363	0.308
3	18:10:19	-0.648	4.061	3.879	15.940	21.630	0.290	1.323	0.312
X		-0.744	4.026	3.978	17.000	22.380	0.259	1.278	0.330
σ		0.159	0.197	0.086	1.131	1.029	0.027	0.114	0.034
%RSD		21.410	4.893	2.167	6.656	4.600	10.390	8.892	10.220
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:08:53	0.308	4.816	5.123	-0.033	-0.137	-0.265	0.000	3.621
2	18:09:36	0.473	4.290	5.269	-0.588	-0.469	-0.308	0.000	3.712
3	18:10:19	0.394	4.587	4.908	-0.824	-0.031	-0.204	0.000	3.632
X		0.391	4.564	5.100	-0.482	-0.212	-0.259	0.000	3.655
σ		0.083	0.263	0.182	0.406	0.229	0.052	0.000	0.050
%RSD		21.080	5.771	3.562	84.230	107.600	20.100	0.000	1.364
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:08:53	60.902%	0.244	0.262	59.749%	0.023	-0.014	0.055	0.000
2	18:09:36	61.040%	0.153	0.178	59.514%	-0.002	0.014	-0.018	-0.088
3	18:10:19	60.353%	0.202	0.153	58.211%	0.011	-0.009	0.020	0.049
X		60.765%	0.200	0.197	59.158%	0.011	-0.003	0.019	-0.013
σ		0.363%	0.046	0.057	0.829%	0.012	0.015	0.037	0.069
%RSD		0.597	23.020	28.920	1.400	114.200	503.100	194.700	527.100
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:08:53	62.299%	5.266	0.074	0.094	7.288	7.059	68.139%	69.603%
2	18:09:36	63.164%	5.171	0.121	0.148	6.500	7.299	70.222%	71.705%
3	18:10:19	62.512%	5.072	0.113	0.061	6.715	7.116	70.362%	72.500%
X		62.658%	5.170	0.102	0.101	6.834	7.158	69.574%	71.269%
σ		0.451%	0.097	0.025	0.044	0.407	0.126	1.245%	1.496%
%RSD		0.720	1.875	24.330	43.970	5.956	1.754	1.789	2.100
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	18:08:53	0.056	0.057	0.317	0.321	0.325	61.806%		
2	18:09:36	0.050	0.049	0.355	0.339	0.324	63.984%		
3	18:10:19	0.054	0.043	0.288	0.258	0.283	64.951%		
X		0.054	0.050	0.320	0.306	0.310	63.580%		
σ		0.003	0.007	0.034	0.043	0.024	1.611%		
%RSD		6.054	14.400	10.550	13.970	7.676	2.534		

320-2369-D-2-A SD@5

5/7/2013 6:16:23 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:17:06	91.583%	-0.019	-4.878	-3.704	0.000	1320.000	82.800	83.640
2	18:17:49	86.347%	0.008	-4.108	-4.822	0.000	1310.000	82.820	80.780
3	18:18:32	82.697%	0.023	-2.449	-4.546	0.000	1327.000	81.220	83.610
X		86.876%	0.004	-3.811	-4.357	0.000	1319.000	82.280	82.680
σ		4.467%	0.021	1.241	0.583	0.000	8.260	0.919	1.638
%RSD		5.141	543.000	32.570	13.370	0.000	0.626	1.117	1.982
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:17:06	7.769	569.300	0.000	142.000	85.520	68.170	73.821%	0.316
2	18:17:49	7.297	545.700	0.000	138.900	75.930	74.150	70.285%	0.089
3	18:18:32	7.246	563.800	0.000	141.200	45.730	68.740	67.857%	0.016
X		7.437	559.600	0.000	140.700	69.060	70.350	70.654%	0.141
σ		0.288	12.340	0.000	1.600	20.770	3.299	2.999%	0.156
%RSD		3.876	2.205	0.000	1.137	30.070	4.689	4.245	111.300
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:17:06	-0.039	1.011	0.759	2.664	5.531	0.040	0.218	0.071
2	18:17:49	-0.865	0.920	0.885	0.654	3.348	0.066	0.264	0.081
3	18:18:32	0.110	0.870	0.858	0.252	4.166	0.041	0.274	0.050
X		-0.265	0.934	0.834	1.190	4.348	0.049	0.252	0.067
σ		0.525	0.072	0.066	1.292	1.103	0.015	0.030	0.016
%RSD		198.400	7.703	7.935	108.600	25.360	30.100	11.750	23.510
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:17:06	0.087	0.814	0.973	-0.130	-0.322	-0.277	0.000	0.714
2	18:17:49	0.122	1.054	0.550	0.268	-0.503	-0.105	0.000	0.701
3	18:18:32	0.128	0.964	1.096	0.153	-0.188	-0.135	0.000	0.799
X		0.112	0.944	0.873	0.097	-0.338	-0.172	0.000	0.738
σ		0.022	0.121	0.286	0.205	0.159	0.092	0.000	0.053
%RSD		19.530	12.860	32.810	210.600	46.960	53.600	0.000	7.199
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:17:06	73.127%	0.117	0.106	73.649%	-0.006	-0.008	-0.039	-0.014
2	18:17:49	73.379%	0.072	0.074	73.233%	-0.008	-0.006	0.013	0.014
3	18:18:32	71.437%	0.066	0.039	71.373%	0.001	-0.005	-0.067	-0.041
X		72.648%	0.085	0.073	72.752%	-0.004	-0.006	-0.031	-0.014
σ		1.056%	0.028	0.034	1.212%	0.004	0.001	0.041	0.027
%RSD		1.454	32.850	46.310	1.666	101.000	20.330	131.500	196.700
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:17:06	72.781%	0.234	0.010	0.022	1.144	1.528	74.795%	75.804%
2	18:17:49	74.313%	0.259	0.034	0.000	1.417	1.458	77.347%	78.131%
3	18:18:32	72.665%	0.210	0.015	0.004	1.683	1.574	76.995%	77.551%
X		73.253%	0.234	0.020	0.009	1.414	1.520	76.379%	77.162%
σ		0.920%	0.024	0.013	0.012	0.270	0.059	1.383%	1.211%
%RSD		1.256	10.370	64.120	134.600	19.070	3.855	1.811	1.570
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	18:17:06	0.015	0.015	0.118	0.087	0.112	70.476%		
2	18:17:49	0.019	0.015	0.120	0.097	0.102	71.209%		
3	18:18:32	0.018	0.016	0.120	0.087	0.106	73.549%		
X		0.017	0.015	0.119	0.090	0.106	71.745%		
σ		0.002	0.000	0.001	0.006	0.005	1.605%		
%RSD		11.040	1.139	0.950	6.590	4.594	2.237		

320-2369-D-2-B MS

5/7/2013 6:24:38 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:25:20	81.122%	44.640	908.400	867.100	0.000	49780.000	43170.000	43680.000
2	18:26:03	79.014%	43.470	893.600	866.000	0.000	48170.000	41670.000	41680.000
3	18:26:46	77.470%	45.920	916.400	886.500	0.000	48390.000	41750.000	41800.000
X		79.202%	44.680	906.100	873.200	0.000	48780.000	42200.000	42390.000
σ		1.833%	1.224	11.570	11.550	0.000	872.400	842.400	1120.000
%RSD		2.315	2.739	1.277	1.323	0.000	1.788	1.996	2.642
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:25:20	1734.000	10920.000	0.000	46680.000	48700.000	45870.000	59.427%	991.200
2	18:26:03	1622.000	10390.000	0.000	45400.000	46270.000	44000.000	58.406%	963.500
3	18:26:46	1654.000	10580.000	0.000	45630.000	46460.000	45150.000	56.209%	984.100
X		1670.000	10630.000	0.000	45900.000	47140.000	45010.000	58.014%	979.600
σ		57.710	269.900	0.000	681.400	1352.000	943.300	1.645%	14.390
%RSD		3.456	2.538	0.000	1.484	2.868	2.096	2.835	1.469
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:25:20	492.900	196.700	491.300	1023.000	1126.000	484.300	487.100	242.900
2	18:26:03	475.700	193.400	480.900	991.000	1101.000	468.100	473.700	236.500
3	18:26:46	482.500	196.500	489.800	1007.000	1118.000	473.900	464.100	235.300
X		483.700	195.500	487.300	1007.000	1115.000	475.400	475.000	238.200
σ		8.627	1.836	5.655	15.790	12.820	8.207	11.570	4.099
%RSD		1.784	0.939	1.160	1.568	1.149	1.726	2.436	1.721
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:25:20	247.300	445.700	451.900	32.620	7.867	8.707	0.000	961.900
2	18:26:03	231.800	436.300	437.800	32.760	7.618	8.248	0.000	955.900
3	18:26:46	236.700	443.900	440.400	32.080	8.505	7.255	0.000	955.600
X		238.600	442.000	443.400	32.490	7.997	8.070	0.000	957.800
σ		7.912	5.000	7.489	0.362	0.457	0.742	0.000	3.586
%RSD		3.316	1.131	1.689	1.113	5.721	9.198	0.000	0.374
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:25:20	59.556%	1021.000	1044.000	58.991%	49.640	49.650	46.610	40.330
2	18:26:03	59.831%	1024.000	1045.000	59.036%	49.290	49.300	45.750	38.770
3	18:26:46	60.014%	1031.000	1053.000	59.488%	49.270	49.340	44.950	39.580
X		59.800%	1025.000	1047.000	59.172%	49.400	49.430	45.770	39.560
σ		0.230%	4.799	4.868	0.275%	0.210	0.191	0.830	0.783
%RSD		0.385	0.468	0.465	0.465	0.425	0.386	1.813	1.980
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:25:20	61.753%	1928.000	452.800	451.100	1868.000	1851.000	68.560%	69.240%
2	18:26:03	63.308%	1906.000	449.000	450.700	1844.000	1830.000	70.705%	71.941%
3	18:26:46	62.318%	1958.000	466.000	456.100	1881.000	1871.000	71.882%	73.006%
X		62.460%	1930.000	455.900	452.600	1864.000	1851.000	70.383%	71.396%
σ		0.787%	26.170	8.912	3.061	18.760	20.930	1.684%	1.941%
%RSD		1.260	1.356	1.955	0.676	1.006	1.131	2.393	2.719
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	18:25:20	45.860	46.430	18.750	20.460	19.510	57.183%		
2	18:26:03	46.810	46.740	18.480	20.270	19.320	59.143%		
3	18:26:46	46.930	47.300	19.070	20.150	19.690	59.834%		
X		46.530	46.820	18.770	20.300	19.510	58.720%		
σ		0.588	0.443	0.295	0.154	0.188	1.375%		
%RSD		1.264	0.946	1.575	0.759	0.964	2.341		

320-2369-D-2-C MSD

5/7/2013 6:32:51 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:33:34	81.563%	45.640	905.600	864.000	0.000	48800.000	42150.000	42620.000
2	18:34:17	78.755%	46.470	915.600	869.700	0.000	47490.000	41440.000	42320.000
3	18:35:00	77.773%	46.200	923.900	886.200	0.000	48140.000	41940.000	41940.000
X		79.364%	46.100	915.000	873.300	0.000	48140.000	41840.000	42290.000
σ		1.967%	0.421	9.156	11.520	0.000	655.600	364.800	338.700
%RSD		2.479	0.913	1.001	1.319	0.000	1.362	0.872	0.801
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:33:34	1696.000	10800.000	0.000	46160.000	47740.000	44950.000	59.539%	971.500
2	18:34:17	1671.000	10550.000	0.000	46460.000	48470.000	45470.000	55.824%	980.900
3	18:35:00	1644.000	10510.000	0.000	45680.000	46810.000	45200.000	56.539%	959.100
X		1670.000	10620.000	0.000	46100.000	47670.000	45210.000	57.301%	970.500
σ		26.090	157.500	0.000	394.800	833.400	258.200	1.971%	10.890
%RSD		1.562	1.483	0.000	0.856	1.748	0.571	3.440	1.122
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:33:34	486.300	198.900	491.400	1005.000	1088.000	479.400	480.700	240.600
2	18:34:17	484.500	199.200	497.600	1017.000	1120.000	482.900	472.300	242.200
3	18:35:00	476.500	195.600	496.000	992.900	1097.000	476.700	472.200	238.700
X		482.400	197.900	495.000	1005.000	1102.000	479.700	475.100	240.500
σ		5.205	2.018	3.190	12.220	16.420	3.118	4.900	1.740
%RSD		1.079	1.020	0.644	1.215	1.490	0.650	1.031	0.724
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:33:34	241.600	449.100	454.600	33.970	8.457	8.666	0.000	976.500
2	18:34:17	241.100	448.400	454.700	32.760	7.599	9.058	0.000	955.900
3	18:35:00	238.400	445.800	451.300	35.250	7.993	8.542	0.000	964.700
X		240.400	447.800	453.500	33.990	8.016	8.755	0.000	965.700
σ		1.708	1.743	1.936	1.248	0.429	0.270	0.000	10.330
%RSD		0.711	0.389	0.427	3.673	5.357	3.079	0.000	1.070
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:33:34	60.554%	1035.000	1053.000	59.540%	49.300	50.580	45.830	41.210
2	18:34:17	60.398%	1026.000	1054.000	59.106%	49.680	49.970	44.250	40.300
3	18:35:00	59.821%	1036.000	1065.000	59.155%	49.950	50.640	46.250	40.800
X		60.258%	1032.000	1057.000	59.267%	49.640	50.400	45.440	40.770
σ		0.386%	5.549	6.841	0.238%	0.325	0.370	1.055	0.457
%RSD		0.641	0.537	0.647	0.402	0.655	0.733	2.321	1.122
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:33:34	62.698%	1944.000	459.400	458.600	1891.000	1868.000	70.815%	71.723%
2	18:34:17	63.180%	1952.000	455.900	454.500	1871.000	1859.000	71.402%	73.102%
3	18:35:00	62.681%	1958.000	462.800	465.100	1898.000	1883.000	71.085%	72.553%
X		62.853%	1951.000	459.400	459.400	1887.000	1870.000	71.101%	72.459%
σ		0.283%	7.024	3.413	5.333	14.270	12.150	0.294%	0.694%
%RSD		0.451	0.360	0.743	1.161	0.756	0.650	0.413	0.958
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	18:33:34	46.620	47.340	19.090	20.820	19.740	58.856%		
2	18:34:17	47.370	47.050	18.730	20.240	19.530	59.917%		
3	18:35:00	48.120	48.190	18.690	20.540	19.670	59.801%		
X		47.370	47.530	18.840	20.540	19.650	59.525%		
σ		0.752	0.590	0.220	0.293	0.105	0.582%		
%RSD		1.588	1.242	1.166	1.429	0.535	0.978		

320-2369-D-2-A PDS

5/7/2013 6:41:04 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:41:47	79.557%	47.390	943.100	905.700	0.000	49080.000	42890.000	43310.000
2	18:42:30	74.840%	49.480	967.000	921.400	0.000	48700.000	43400.000	43630.000
3	18:43:13	74.300%	49.570	973.300	921.000	0.000	48360.000	42700.000	42800.000
X		76.232%	48.810	961.100	916.000	0.000	48710.000	42990.000	43250.000
σ		2.892%	1.233	15.940	8.978	0.000	363.400	361.300	418.000
%RSD		3.794	2.526	1.658	0.980	0.000	0.746	0.840	0.966
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:41:47	1728.000	10810.000	0.000	47300.000	49100.000	46610.000	58.210%	1020.000
2	18:42:30	1751.000	10960.000	0.000	47010.000	48760.000	45620.000	55.767%	1016.000
3	18:43:13	1714.000	10960.000	0.000	46650.000	48600.000	46380.000	54.039%	1015.000
X		1731.000	10910.000	0.000	46990.000	48820.000	46200.000	56.005%	1017.000
σ		18.760	85.990	0.000	326.500	251.400	520.300	2.096%	2.994
%RSD		1.084	0.788	0.000	0.695	0.515	1.126	3.742	0.294
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:41:47	507.800	204.200	506.100	1047.000	1143.000	499.800	492.900	250.600
2	18:42:30	513.000	206.700	510.900	1038.000	1127.000	492.900	488.600	247.300
3	18:43:13	505.900	203.000	512.300	1036.000	1154.000	490.500	482.400	249.000
X		508.900	204.600	509.800	1040.000	1141.000	494.400	488.000	248.900
σ		3.646	1.866	3.244	6.208	13.720	4.864	5.294	1.627
%RSD		0.717	0.912	0.636	0.597	1.202	0.984	1.085	0.653
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:41:47	249.600	464.400	472.400	36.310	8.582	7.703	0.000	1010.000
2	18:42:30	244.100	464.100	469.300	35.940	8.958	9.325	0.000	1010.000
3	18:43:13	246.900	468.700	470.900	34.810	8.194	8.238	0.000	1006.000
X		246.900	465.700	470.900	35.690	8.578	8.422	0.000	1008.000
σ		2.777	2.560	1.531	0.785	0.382	0.826	0.000	2.162
%RSD		1.125	0.550	0.325	2.199	4.453	9.812	0.000	0.214
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:41:47	59.807%	1080.000	1103.000	58.597%	51.610	52.470	47.920	42.910
2	18:42:30	58.627%	1081.000	1104.000	57.780%	51.190	52.510	46.820	40.630
3	18:43:13	57.860%	1088.000	1105.000	57.392%	51.490	52.370	47.140	41.980
X		58.765%	1083.000	1104.000	57.923%	51.430	52.450	47.300	41.840
σ		0.981%	4.056	0.951	0.615%	0.219	0.070	0.565	1.148
%RSD		1.669	0.375	0.086	1.062	0.425	0.133	1.194	2.743
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:41:47	61.822%	2064.000	486.400	478.000	1989.000	1969.000	70.015%	71.272%
2	18:42:30	62.407%	2042.000	476.900	472.600	1960.000	1931.000	71.460%	72.791%
3	18:43:13	61.743%	2060.000	484.400	480.500	1959.000	1945.000	72.119%	72.827%
X		61.990%	2055.000	482.600	477.000	1970.000	1948.000	71.198%	72.297%
σ		0.363%	11.570	5.008	4.057	17.200	18.810	1.076%	0.887%
%RSD		0.585	0.563	1.038	0.851	0.874	0.965	1.511	1.227
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	18:41:47	51.070	50.220	19.940	21.520	20.760	58.691%		
2	18:42:30	49.670	50.150	20.020	21.260	20.490	59.982%		
3	18:43:13	50.090	49.670	20.030	21.400	20.740	60.145%		
X		50.280	50.010	20.000	21.400	20.660	59.606%		
σ		0.718	0.301	0.051	0.131	0.152	0.797%		
%RSD		1.429	0.601	0.258	0.613	0.737	1.336		

320-2369-D-3-A 5/7/2013 6:49:16 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:49:59	78.968%	0.085	13.780	12.500	0.000	3103.000	1533.000	1531.000
2	18:50:42	76.527%	0.027	13.270	11.180	0.000	2944.000	1463.000	1468.000
3	18:51:25	73.237%	0.029	11.780	9.654	0.000	2908.000	1439.000	1444.000
X		76.244%	0.047	12.940	11.110	0.000	2985.000	1478.000	1481.000
σ		2.876%	0.033	1.040	1.424	0.000	104.100	48.940	45.150
%RSD		3.772	70.210	8.032	12.820	0.000	3.486	3.310	3.049
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:49:59	91.760	3141.000	0.000	1100.000	2901.000	2607.000	59.225%	1.722
2	18:50:42	84.420	2985.000	0.000	1073.000	2711.000	2606.000	57.206%	2.116
3	18:51:25	87.060	2964.000	0.000	1074.000	2938.000	2564.000	55.534%	1.311
X		87.750	3030.000	0.000	1083.000	2850.000	2592.000	57.321%	1.716
σ		3.719	96.680	0.000	15.470	121.700	24.880	1.848%	0.402
%RSD		4.238	3.191	0.000	1.429	4.271	0.960	3.224	23.450
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:49:59	0.246	3.099	21.330	712.700	738.900	1.175	2.561	0.405
2	18:50:42	-0.189	2.696	20.390	698.000	712.000	1.089	2.497	0.408
3	18:51:25	-0.901	2.720	20.600	686.100	696.400	1.067	2.423	0.343
X		-0.281	2.839	20.780	699.000	715.800	1.110	2.494	0.385
σ		0.579	0.226	0.493	13.330	21.520	0.057	0.069	0.037
%RSD		205.900	7.965	2.375	1.907	3.007	5.102	2.765	9.493
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:49:59	0.384	4.182	4.423	0.353	-0.492	-0.455	0.000	24.450
2	18:50:42	0.347	4.012	4.994	-0.475	-0.481	-0.523	0.000	25.460
3	18:51:25	0.303	4.191	3.819	-0.328	-0.515	-0.860	0.000	24.950
X		0.345	4.129	4.412	-0.150	-0.496	-0.612	0.000	24.950
σ		0.040	0.101	0.588	0.442	0.017	0.217	0.000	0.504
%RSD		11.680	2.443	13.320	293.900	3.453	35.390	0.000	2.019
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:49:59	63.522%	1.079	1.176	62.303%	-0.007	-0.007	-0.006	0.003
2	18:50:42	61.890%	0.905	0.865	61.297%	0.000	0.008	-0.009	-0.013
3	18:51:25	61.762%	0.927	0.904	59.551%	-0.007	-0.006	0.016	0.044
X		62.391%	0.970	0.982	61.050%	-0.004	-0.002	0.000	0.011
σ		0.981%	0.095	0.169	1.393%	0.004	0.008	0.014	0.029
%RSD		1.573	9.776	17.250	2.281	94.520	541.000	12730.000	269.100
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:49:59	64.198%	9.710	0.753	0.757	16.750	15.870	71.162%	71.252%
2	18:50:42	64.574%	8.899	0.534	0.547	15.460	15.980	71.465%	73.160%
3	18:51:25	63.968%	8.034	0.460	0.393	15.600	15.420	70.883%	72.727%
X		64.247%	8.881	0.582	0.566	15.940	15.750	71.170%	72.379%
σ		0.306%	0.838	0.152	0.182	0.706	0.295	0.291%	1.000%
%RSD		0.476	9.439	26.180	32.240	4.430	1.875	0.409	1.382
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	18:49:59	0.087	0.092	0.207	0.235	0.211	64.303%		
2	18:50:42	0.104	0.101	0.219	0.254	0.225	66.296%		
3	18:51:25	0.093	0.095	0.208	0.252	0.205	66.821%		
X		0.094	0.096	0.211	0.247	0.214	65.807%		
σ		0.009	0.005	0.007	0.010	0.010	1.328%		
%RSD		9.028	4.811	3.109	4.039	4.891	2.018		

320-2369-D-4-A 5/7/2013 6:57:28 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:58:11	80.931%	0.039	2.668	0.863	0.000	2730.000	521.600	522.300
2	18:58:54	73.911%	-0.019	0.283	-0.701	0.000	2705.000	510.400	504.700
3	18:59:37	72.310%	-0.003	1.018	0.074	0.000	2678.000	499.100	509.500
X		75.718%	0.006	1.323	0.079	0.000	2705.000	510.400	512.100
σ		4.586%	0.030	1.221	0.782	0.000	26.030	11.240	9.107
%RSD		6.056	526.400	92.330	992.600	0.000	0.963	2.202	1.778
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:58:11	96.300	6097.000	0.000	1175.000	14800.000	14510.000	58.344%	3.795
2	18:58:54	94.520	5943.000	0.000	1172.000	14830.000	14250.000	56.008%	3.531
3	18:59:37	96.370	5991.000	0.000	1188.000	15050.000	14330.000	53.365%	3.035
X		95.730	6010.000	0.000	1178.000	14890.000	14360.000	55.906%	3.454
σ		1.046	78.810	0.000	8.368	140.700	132.500	2.491%	0.386
%RSD		1.092	1.311	0.000	0.710	0.945	0.922	4.456	11.180
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:58:11	0.411	3.140	13.510	495.900	539.300	0.197	0.956	0.288
2	18:58:54	-0.003	2.548	13.450	489.600	529.100	0.184	0.875	0.289
3	18:59:37	-1.116	2.575	13.840	493.500	534.000	0.210	0.852	0.309
X		-0.236	2.755	13.600	493.000	534.100	0.197	0.894	0.295
σ		0.790	0.334	0.213	3.182	5.103	0.013	0.055	0.012
%RSD		334.700	12.130	1.563	0.645	0.955	6.679	6.112	3.948
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:58:11	0.356	2.424	2.210	0.870	-0.359	-0.273	0.000	26.240
2	18:58:54	0.190	2.146	2.406	-0.230	-0.312	-0.640	0.000	26.060
3	18:59:37	0.371	2.173	1.791	0.083	-0.172	-0.408	0.000	26.190
X		0.305	2.247	2.136	0.241	-0.281	-0.441	0.000	26.160
σ		0.101	0.153	0.314	0.567	0.097	0.186	0.000	0.092
%RSD		32.920	6.825	14.710	235.300	34.600	42.100	0.000	0.353
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:58:11	61.706%	0.379	0.472	59.922%	-0.004	0.001	0.051	0.039
2	18:58:54	60.232%	0.331	0.276	58.960%	-0.002	-0.004	0.048	-0.037
3	18:59:37	59.345%	0.364	0.303	58.256%	-0.009	-0.009	0.020	0.020
X		60.428%	0.358	0.350	59.046%	-0.005	-0.004	0.039	0.007
σ		1.193%	0.024	0.106	0.836%	0.004	0.005	0.017	0.040
%RSD		1.974	6.830	30.210	1.417	76.570	133.300	43.080	560.300
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:58:11	62.779%	5.900	0.204	0.187	3.621	3.622	68.105%	69.059%
2	18:58:54	62.707%	6.160	0.194	0.227	3.032	3.888	69.010%	70.679%
3	18:59:37	61.360%	6.102	0.201	0.252	3.656	3.700	69.210%	70.984%
X		62.282%	6.054	0.199	0.222	3.437	3.736	68.775%	70.241%
σ		0.799%	0.136	0.005	0.033	0.351	0.137	0.589%	1.034%
%RSD		1.283	2.252	2.583	14.870	10.200	3.657	0.856	1.472
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	18:58:11	0.072	0.058	0.196	0.201	0.193	61.617%		
2	18:58:54	0.053	0.056	0.195	0.195	0.189	63.235%		
3	18:59:37	0.063	0.046	0.170	0.203	0.187	63.821%		
X		0.063	0.053	0.187	0.199	0.190	62.891%		
σ		0.010	0.006	0.015	0.004	0.003	1.142%		
%RSD		15.320	11.490	7.971	1.968	1.610	1.815		

MB 180-70059/1-A

5/7/2013 7:05:40 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:06:23	94.418%	0.006	-10.430	-10.170	0.000	6.449	0.436	0.165
2	19:07:06	91.910%	-0.006	-12.040	-10.500	0.000	9.401	0.041	0.152
3	19:07:49	89.787%	-0.006	-11.090	-11.050	0.000	10.890	-0.112	0.091
X		92.038%	-0.002	-11.190	-10.580	0.000	8.912	0.122	0.136
σ		2.319%	0.007	0.806	0.445	0.000	2.259	0.283	0.039
%RSD		2.519	286.500	7.208	4.212	0.000	25.350	232.400	28.790
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:06:23	1.752	2.267	0.000	-13.220	-5.854	1.484	78.072%	-0.271
2	19:07:06	1.052	1.445	0.000	-11.770	-5.854	-0.170	76.195%	0.012
3	19:07:49	0.611	1.460	0.000	-12.060	-5.854	-0.517	75.006%	-0.022
X		1.138	1.724	0.000	-12.350	-5.854	0.266	76.424%	-0.094
σ		0.575	0.470	0.000	0.768	0.000	1.069	1.546%	0.155
%RSD		50.540	27.280	0.000	6.222	0.000	402.400	2.023	165.100
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:06:23	-0.114	0.113	0.139	-0.176	-0.090	-0.007	0.011	-0.002
2	19:07:06	0.081	0.246	0.133	-0.778	-0.554	-0.007	0.011	0.027
3	19:07:49	-0.017	0.127	0.165	-0.975	0.383	-0.000	-0.000	0.010
X		-0.017	0.162	0.145	-0.643	-0.087	-0.005	0.007	0.011
σ		0.098	0.073	0.017	0.416	0.469	0.004	0.006	0.014
%RSD		583.000	45.110	11.660	64.740	537.800	85.780	87.640	125.100
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:06:23	0.003	0.136	0.110	0.324	-0.447	0.569	0.000	0.003
2	19:07:06	0.022	0.099	-0.033	0.104	-0.085	0.586	0.000	0.002
3	19:07:49	0.053	0.107	0.176	-0.225	-0.405	-0.297	0.000	0.004
X		0.026	0.114	0.084	0.067	-0.312	0.286	0.000	0.003
σ		0.025	0.019	0.107	0.276	0.197	0.505	0.000	0.001
%RSD		98.130	17.070	126.900	409.800	63.250	176.700	0.000	42.820
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:06:23	77.986%	0.245	0.155	78.233%	-0.006	-0.002	0.077	0.047
2	19:07:06	79.081%	0.166	0.146	78.123%	-0.006	-0.010	0.092	0.073
3	19:07:49	77.075%	0.205	0.153	77.218%	-0.002	-0.012	-0.049	-0.035
X		78.047%	0.205	0.151	77.858%	-0.005	-0.008	0.040	0.028
σ		1.005%	0.040	0.005	0.557%	0.002	0.005	0.077	0.056
%RSD		1.287	19.350	3.206	0.715	45.780	66.770	193.400	197.300
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:06:23	76.682%	0.087	0.019	0.033	-0.033	0.014	78.796%	78.338%
2	19:07:06	77.705%	0.080	0.032	0.039	-0.053	-0.003	78.465%	80.257%
3	19:07:49	76.806%	0.078	0.027	0.020	-0.023	-0.003	78.570%	78.992%
X		77.064%	0.082	0.026	0.031	-0.036	0.002	78.610%	79.196%
σ		0.558%	0.005	0.006	0.010	0.016	0.010	0.169%	0.975%
%RSD		0.724	5.797	25.120	32.740	43.280	425.400	0.215	1.232
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	19:06:23	0.028	0.019	0.084	0.065	0.068	74.044%		
2	19:07:06	0.016	0.020	0.058	0.049	0.055	75.323%		
3	19:07:49	0.031	0.019	0.055	0.068	0.065	72.054%		
X		0.025	0.019	0.066	0.061	0.063	73.807%		
σ		0.008	0.000	0.016	0.010	0.007	1.648%		
%RSD		32.490	1.363	24.320	16.650	11.180	2.232		

LCS 180-70059/2-A 5/7/2013 7:13:53 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:14:36	77.119%	47.900	892.300	847.000	0.000	42940.000	42770.000	43040.000
2	19:15:19	75.921%	48.690	910.300	864.500	0.000	42820.000	42600.000	42900.000
3	19:16:02	73.806%	48.540	908.600	862.800	0.000	42240.000	42160.000	42610.000
X		75.616%	48.380	903.700	858.100	0.000	42660.000	42510.000	42850.000
σ		1.677%	0.419	9.965	9.653	0.000	373.600	315.800	221.400
%RSD		2.218	0.867	1.103	1.125	0.000	0.876	0.743	0.517
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:14:36	1678.000	8473.000	0.000	44850.000	47070.000	45390.000	58.538%	1004.000
2	19:15:19	1667.000	8335.000	0.000	45240.000	46640.000	45250.000	56.145%	1008.000
3	19:16:02	1644.000	8324.000	0.000	45310.000	47630.000	44790.000	54.185%	1002.000
X		1663.000	8377.000	0.000	45140.000	47110.000	45140.000	56.289%	1004.000
σ		17.200	83.180	0.000	250.700	500.000	316.700	2.181%	3.033
%RSD		1.034	0.993	0.000	0.555	1.061	0.702	3.874	0.302
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:14:36	481.000	194.500	487.900	985.500	1077.000	485.800	484.800	250.800
2	19:15:19	488.700	197.700	500.000	1007.000	1109.000	496.700	488.900	248.900
3	19:16:02	491.300	198.800	504.600	1015.000	1101.000	485.200	481.300	244.400
X		487.000	197.000	497.500	1003.000	1096.000	489.200	485.000	248.000
σ		5.345	2.221	8.590	15.360	16.420	6.504	3.816	3.322
%RSD		1.098	1.128	1.727	1.532	1.499	1.329	0.787	1.339
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:14:36	250.500	457.000	463.900	35.920	8.141	9.108	0.000	1013.000
2	19:15:19	251.800	457.500	467.500	35.650	8.505	9.347	0.000	1007.000
3	19:16:02	244.300	457.000	462.100	34.230	8.602	8.129	0.000	999.900
X		248.900	457.200	464.500	35.270	8.416	8.861	0.000	1006.000
σ		3.999	0.307	2.775	0.906	0.243	0.645	0.000	6.492
%RSD		1.607	0.067	0.598	2.569	2.888	7.282	0.000	0.645
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:14:36	55.346%	1060.000	1061.000	58.318%	48.420	49.630	46.280	39.750
2	19:15:19	55.578%	1061.000	1069.000	57.931%	49.320	48.870	45.060	40.740
3	19:16:02	55.682%	1056.000	1066.000	58.425%	47.690	49.260	45.620	39.840
X		55.535%	1059.000	1066.000	58.224%	48.480	49.250	45.650	40.110
σ		0.172%	2.359	3.779	0.260%	0.817	0.378	0.610	0.547
%RSD		0.309	0.223	0.355	0.446	1.685	0.767	1.337	1.365
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:14:36	60.760%	1945.000	458.000	451.800	1851.000	1839.000	68.054%	69.146%
2	19:15:19	61.468%	1954.000	456.100	449.000	1842.000	1828.000	69.487%	70.466%
3	19:16:02	61.801%	1941.000	454.800	450.700	1826.000	1826.000	70.360%	71.792%
X		61.343%	1947.000	456.300	450.500	1840.000	1831.000	69.300%	70.468%
σ		0.532%	6.658	1.610	1.399	12.500	7.018	1.164%	1.323%
%RSD		0.867	0.342	0.353	0.311	0.679	0.383	1.680	1.878
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	19:14:36	46.640	46.640	18.750	20.170	19.420	56.223%		
2	19:15:19	46.550	47.040	18.400	20.410	19.440	57.754%		
3	19:16:02	47.200	46.960	18.340	19.840	19.400	58.087%		
X		46.790	46.880	18.500	20.140	19.420	57.355%		
σ		0.354	0.212	0.220	0.286	0.020	0.994%		
%RSD		0.756	0.453	1.187	1.423	0.101	1.733		

CCV 801624 5/7/2013 7:22:06 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:22:49	87.675%	102.900	93.770	92.230	0.000	46840.000	47680.000	47810.000
2	19:23:32	85.437%	104.600	89.130	89.060	0.000	47210.000	47250.000	47380.000
3	19:24:15	85.774%	99.160	87.670	86.150	0.000	46230.000	46940.000	46130.000
x		86.296%	102.223%	90.189%	89.146%	0.000	93.520%	94.583%	94.212%
σ		1.207%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.398	2.739	3.535	3.412	0.000	1.052	0.794	1.854
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:22:49	493.000	5018.000	0.000	48450.000	49270.000	46810.000	74.178%	107.300
2	19:23:32	481.100	4913.000	0.000	48060.000	48620.000	46080.000	73.764%	106.700
3	19:24:15	471.800	4762.000	0.000	46710.000	47270.000	44190.000	74.071%	98.620
x		96.401%	97.951%	0.000	95.478%	96.771%	91.383%	74.005%	104.200%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.215%	n/a
%RSD		2.206	2.627	0.000	1.919	2.111	2.961	0.291	4.644
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:22:49	100.800	101.300	509.900	25610.000	25480.000	103.600	108.100	106.500
2	19:23:32	100.200	100.500	506.600	25500.000	25730.000	102.900	102.600	107.800
3	19:24:15	96.740	96.820	481.700	24300.000	24370.000	97.860	100.900	100.200
x		99.246%	99.556%	99.886%	100.542%	100.779%	101.459%	103.895%	104.815%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		2.202	2.413	3.088	2.892	2.875	3.094	3.600	3.870
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:22:49	107.600	104.900	102.900	100.900	101.300	100.500	0.000	95.810
2	19:23:32	105.200	103.700	105.900	101.800	102.200	102.800	0.000	96.160
3	19:24:15	99.700	99.570	99.760	95.900	98.340	92.850	0.000	91.030
x		104.166%	102.709%	102.854%	99.539%	100.614%	98.736%	0.000	94.335%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		3.884	2.715	2.974	3.200	2.003	5.289	0.000	3.036
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:22:49	76.579%	102.400	104.300	72.559%	101.200	101.000	97.380	100.800
2	19:23:32	75.543%	105.300	107.400	71.530%	100.600	101.800	99.270	99.510
3	19:24:15	77.411%	100.500	101.900	73.079%	95.330	96.960	92.730	94.910
x		76.511%	102.738%	104.541%	72.389%	99.044%	99.916%	96.461%	98.406%
σ		0.936%	n/a	n/a	0.788%	n/a	n/a	n/a	n/a
%RSD		1.223	2.343	2.645	1.089	3.263	2.599	3.487	3.144
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:22:49	74.460%	98.280	97.620	97.560	95.580	96.580	78.317%	78.683%
2	19:23:32	73.354%	99.390	98.420	99.040	96.270	95.430	78.207%	78.406%
3	19:24:15	75.224%	95.710	93.620	94.560	92.050	91.550	80.298%	80.148%
x		74.346%	97.790%	96.552%	97.054%	94.632%	94.518%	78.941%	79.079%
σ		0.940%	n/a	n/a	n/a	n/a	n/a	1.176%	0.936%
%RSD		1.264	1.931	2.666	2.349	2.391	2.788	1.490	1.184
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	19:22:49	96.680	96.760	98.150	98.760	98.310	67.127%		
2	19:23:32	98.670	97.660	98.760	97.840	98.890	67.120%		
3	19:24:15	92.980	92.280	92.960	93.530	92.890	69.351%		
x		96.111%	95.568%	96.623%	96.710%	96.696%	67.866%		
σ		n/a	n/a	n/a	n/a	n/a	1.286%		
%RSD		3.009	3.014	3.300	2.885	3.424	1.895		

CCB5 5/7/2013 7:30:21 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:31:04	104.875%	0.003	-9.402	-9.006	0.000	9.069	6.371	5.551
2	19:31:47	104.336%	0.014	-9.327	-9.555	0.000	11.910	8.240	6.998
3	19:32:30	102.832%	0.003	-9.795	-9.807	0.000	11.140	6.154	5.732
X		104.014%	0.007	-9.508	-9.456	0.000	10.700	6.921	6.094
σ		1.059%	0.006	0.251	0.409	0.000	1.467	1.147	0.788
%RSD		1.018	94.250	2.640	4.330	0.000	13.710	16.570	12.940
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:31:04	1.602	-0.719	0.000	-6.689	-0.580	3.755	95.238%	-0.164
2	19:31:47	1.557	-0.923	0.000	-4.974	4.687	8.021	95.322%	-0.196
3	19:32:30	1.651	-0.024	0.000	-7.616	4.641	8.279	95.838%	-0.102
X		1.604	-0.556	0.000	-6.426	2.916	6.685	95.466%	-0.154
σ		0.047	0.471	0.000	1.340	3.028	2.540	0.325%	0.048
%RSD		2.948	84.820	0.000	20.860	103.800	38.000	0.340	31.240
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:31:04	0.004	0.014	0.611	8.059	5.681	0.019	0.023	0.029
2	19:31:47	0.042	0.062	0.535	8.606	5.837	0.020	0.061	0.040
3	19:32:30	0.015	-0.019	0.494	6.577	5.886	0.025	0.023	0.061
X		0.020	0.019	0.547	7.747	5.801	0.021	0.036	0.043
σ		0.020	0.041	0.059	1.050	0.107	0.004	0.022	0.016
%RSD		96.130	214.200	10.890	13.550	1.848	16.460	61.040	37.150
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:31:04	0.056	0.095	0.211	0.038	0.100	-0.025	0.000	0.035
2	19:31:47	0.063	0.178	0.191	-0.129	0.102	-0.603	0.000	0.027
3	19:32:30	0.061	0.077	0.210	-0.185	0.059	-0.441	0.000	0.029
X		0.060	0.117	0.204	-0.092	0.087	-0.356	0.000	0.030
σ		0.004	0.054	0.011	0.116	0.024	0.298	0.000	0.004
%RSD		6.077	45.950	5.393	126.100	27.840	83.550	0.000	13.480
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:31:04	93.527%	0.444	0.469	95.076%	0.010	0.008	0.155	0.115
2	19:31:47	95.207%	0.476	0.522	97.072%	-0.003	0.010	0.128	0.084
3	19:32:30	97.073%	0.379	0.457	96.925%	0.008	0.002	0.082	0.076
X		95.269%	0.433	0.483	96.358%	0.005	0.007	0.122	0.092
σ		1.774%	0.049	0.035	1.112%	0.007	0.004	0.037	0.020
%RSD		1.862	11.350	7.260	1.154	142.800	60.800	30.280	22.230
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:31:04	91.624%	0.183	0.066	0.104	-0.028	0.020	89.901%	90.520%
2	19:31:47	93.696%	0.212	0.080	0.073	0.005	0.048	92.913%	94.404%
3	19:32:30	94.026%	0.182	0.064	0.054	-0.021	0.028	93.744%	93.839%
X		93.115%	0.192	0.070	0.077	-0.015	0.032	92.186%	92.921%
σ		1.302%	0.017	0.009	0.025	0.017	0.014	2.022%	2.099%
%RSD		1.398	8.659	12.170	32.950	115.800	45.080	2.194	2.258
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	19:31:04	0.033	0.039	0.153	0.129	0.154	91.982%		
2	19:31:47	0.035	0.046	0.168	0.174	0.162	95.322%		
3	19:32:30	0.039	0.041	0.147	0.153	0.150	96.340%		
X		0.035	0.042	0.156	0.152	0.156	94.548%		
σ		0.003	0.003	0.010	0.022	0.006	2.280%		
%RSD		8.035	7.930	6.619	14.710	3.802	2.411		

180-20575-C-9-A

5/7/2013 7:38:36 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:39:19	84.137%	-0.005	69.390	66.170	0.000	3420.000	38140.000	38550.000
2	19:40:02	79.069%	0.011	71.240	67.380	0.000	3366.000	37590.000	37690.000
3	19:40:45	76.201%	-0.004	72.740	66.860	0.000	3362.000	37770.000	37640.000
X		79.802%	0.001	71.120	66.800	0.000	3383.000	37830.000	37960.000
σ		4.018%	0.009	1.676	0.606	0.000	32.150	283.600	511.400
%RSD		5.036	1674.000	2.356	0.908	0.000	0.951	0.750	1.347
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:39:19	9.722	4021.000	0.000	2319.000	82620.000	78560.000	63.907%	1.328
2	19:40:02	10.050	3892.000	0.000	2246.000	80980.000	75830.000	60.291%	1.075
3	19:40:45	9.714	3847.000	0.000	2271.000	82100.000	78640.000	58.775%	1.836
X		9.828	3920.000	0.000	2279.000	81900.000	77680.000	60.991%	1.413
σ		0.192	90.240	0.000	37.330	840.500	1601.000	2.637%	0.388
%RSD		1.951	2.302	0.000	1.638	1.026	2.061	4.323	27.450
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:39:19	0.814	2.546	0.618	29.350	199.500	0.122	1.405	0.815
2	19:40:02	-0.785	2.298	0.591	27.670	178.800	0.137	1.352	0.907
3	19:40:45	-0.249	2.124	0.632	27.800	185.600	0.084	1.237	0.923
X		-0.073	2.323	0.614	28.280	188.000	0.114	1.331	0.882
σ		0.814	0.212	0.021	0.936	10.560	0.028	0.086	0.059
%RSD		1112.000	9.148	3.449	3.311	5.615	24.110	6.472	6.639
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:39:19	0.985	14.900	14.580	-0.607	0.204	1.006	0.000	125.700
2	19:40:02	1.089	14.940	15.270	-0.322	0.264	0.482	0.000	122.800
3	19:40:45	0.923	15.360	15.130	-0.003	0.629	1.169	0.000	124.100
X		0.999	15.070	14.990	-0.310	0.366	0.886	0.000	124.200
σ		0.084	0.254	0.368	0.302	0.230	0.359	0.000	1.421
%RSD		8.427	1.684	2.452	97.400	62.860	40.540	0.000	1.144
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:39:19	70.053%	3.833	3.590	62.262%	0.003	-0.002	0.095	0.029
2	19:40:02	68.376%	3.532	3.513	62.174%	-0.002	0.001	0.042	0.046
3	19:40:45	67.377%	3.187	3.465	60.654%	-0.012	-0.014	-0.081	-0.022
X		68.602%	3.517	3.523	61.697%	-0.004	-0.005	0.019	0.018
σ		1.352%	0.324	0.063	0.904%	0.007	0.008	0.090	0.036
%RSD		1.971	9.202	1.791	1.465	191.400	154.200	483.100	199.700
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:39:19	65.727%	10.350	5.382	5.567	36.210	37.090	71.661%	73.238%
2	19:40:02	65.973%	9.495	5.558	5.384	35.690	35.310	74.348%	75.324%
3	19:40:45	64.867%	9.103	5.458	5.267	35.650	36.700	74.296%	74.915%
X		65.522%	9.648	5.466	5.406	35.850	36.360	73.435%	74.492%
σ		0.581%	0.636	0.089	0.151	0.313	0.935	1.537%	1.105%
%RSD		0.886	6.594	1.619	2.797	0.872	2.570	2.093	1.484
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	19:39:19	0.034	0.041	0.157	0.143	0.154	60.141%		
2	19:40:02	0.034	0.037	0.110	0.100	0.106	62.842%		
3	19:40:45	0.042	0.041	0.117	0.114	0.118	62.758%		
X		0.037	0.040	0.128	0.119	0.126	61.914%		
σ		0.005	0.003	0.026	0.022	0.025	1.536%		
%RSD		12.370	6.646	20.040	18.730	20.020	2.481		

180-20575-C-9-A SD@5

5/7/2013 7:46:49 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:47:32	89.043%	-0.006	5.082	5.007	0.000	711.300	8141.000	8146.000
2	19:48:15	86.706%	-0.006	2.229	3.953	0.000	674.900	7688.000	7727.000
3	19:48:58	85.326%	-0.019	3.489	3.776	0.000	692.200	8009.000	8016.000
x		87.025%	-0.010	3.600	4.245	0.000	692.800	7946.000	7963.000
σ		1.879%	0.008	1.429	0.665	0.000	18.240	233.200	214.200
%RSD		2.159	74.290	39.700	15.670	0.000	2.633	2.935	2.690
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:47:32	2.012	869.100	0.000	458.700	16710.000	15770.000	72.658%	0.116
2	19:48:15	2.215	823.700	0.000	435.000	15630.000	14990.000	71.521%	0.252
3	19:48:58	2.337	844.800	0.000	456.000	16130.000	15420.000	69.216%	0.229
x		2.188	845.900	0.000	449.900	16150.000	15390.000	71.132%	0.199
σ		0.164	22.740	0.000	12.970	537.600	390.900	1.754%	0.073
%RSD		7.502	2.688	0.000	2.884	3.328	2.540	2.465	36.430
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:47:32	0.024	0.444	0.142	5.635	47.920	0.024	0.192	0.240
2	19:48:15	-1.223	0.426	0.148	4.464	36.640	0.024	0.151	0.148
3	19:48:58	-0.037	0.401	0.117	5.068	44.380	0.010	0.360	0.257
x		-0.412	0.424	0.136	5.056	42.980	0.020	0.234	0.215
σ		0.703	0.022	0.017	0.585	5.772	0.008	0.111	0.059
%RSD		170.600	5.178	12.210	11.570	13.430	40.690	47.270	27.250
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:47:32	0.282	3.673	3.288	0.218	-0.213	0.178	0.000	25.580
2	19:48:15	0.273	3.658	3.503	0.431	0.108	-0.360	0.000	25.490
3	19:48:58	0.272	3.739	3.394	-0.240	-0.310	-0.140	0.000	25.790
x		0.276	3.690	3.395	0.136	-0.138	-0.107	0.000	25.620
σ		0.006	0.043	0.107	0.343	0.219	0.271	0.000	0.157
%RSD		2.011	1.167	3.165	251.500	158.300	252.800	0.000	0.614
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:47:32	73.282%	0.887	0.810	72.235%	-0.008	-0.007	0.052	0.058
2	19:48:15	74.035%	0.812	0.619	72.749%	-0.002	-0.010	0.039	0.029
3	19:48:58	72.476%	0.803	0.581	71.873%	0.005	-0.007	0.029	0.021
x		73.264%	0.834	0.670	72.285%	-0.002	-0.008	0.040	0.036
σ		0.780%	0.047	0.123	0.440%	0.006	0.001	0.011	0.019
%RSD		1.064	5.578	18.290	0.609	389.100	15.570	28.310	54.080
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:47:32	71.779%	0.306	1.323	1.166	6.994	7.093	74.861%	74.876%
2	19:48:15	73.697%	0.345	1.211	1.071	7.157	7.216	77.417%	78.100%
3	19:48:58	72.481%	0.318	1.098	1.159	7.759	6.958	76.663%	77.737%
x		72.652%	0.323	1.211	1.132	7.303	7.089	76.314%	76.904%
σ		0.971%	0.020	0.112	0.053	0.403	0.129	1.314%	1.766%
%RSD		1.336	6.208	9.279	4.678	5.513	1.821	1.721	2.296
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	19:47:32	0.017	0.023	0.075	0.095	0.084	68.295%		
2	19:48:15	0.016	0.013	0.078	0.049	0.062	72.233%		
3	19:48:58	0.018	0.019	0.064	0.062	0.065	71.891%		
x		0.017	0.018	0.072	0.069	0.070	70.806%		
σ		0.001	0.005	0.007	0.023	0.012	2.182%		
%RSD		3.299	27.970	10.200	34.010	16.420	3.081		

180-20575-C-9-B MS

5/7/2013 7:55:03 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:55:46	80.463%	45.310	963.900	911.800	0.000	46140.000	81340.000	82460.000
2	19:56:29	80.214%	44.030	928.200	886.500	0.000	45080.000	78790.000	78890.000
3	19:57:12	77.373%	45.170	943.100	885.100	0.000	45710.000	79220.000	79830.000
X		79.350%	44.840	945.100	894.500	0.000	45640.000	79780.000	80390.000
σ		1.717%	0.701	17.910	15.000	0.000	534.900	1367.000	1849.000
%RSD		2.163	1.564	1.895	1.677	0.000	1.172	1.713	2.300
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:55:46	1712.000	12300.000	0.000	49280.000	137800.000	137300.000	58.568%	1039.000
2	19:56:29	1617.000	11690.000	0.000	47930.000	134000.000	128700.000	55.362%	1021.000
3	19:57:12	1623.000	11690.000	0.000	48150.000	137200.000	130000.000	53.250%	1019.000
X		1650.000	11890.000	0.000	48450.000	136300.000	132000.000	55.727%	1026.000
σ		53.330	350.900	0.000	723.900	2045.000	4602.000	2.678%	11.090
%RSD		3.231	2.950	0.000	1.494	1.500	3.487	4.805	1.081
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:55:46	510.300	202.000	506.000	1046.000	1349.000	506.400	498.400	250.300
2	19:56:29	493.700	197.500	500.100	1034.000	1309.000	484.800	474.600	238.700
3	19:57:12	491.800	197.400	505.000	1028.000	1288.000	484.200	481.100	239.500
X		498.600	199.000	503.700	1036.000	1315.000	491.800	484.700	242.800
σ		10.210	2.634	3.164	8.800	30.610	12.650	12.340	6.481
%RSD		2.048	1.324	0.628	0.849	2.327	2.571	2.545	2.669
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:55:46	253.800	464.500	462.300	38.000	8.993	8.592	0.000	1219.000
2	19:56:29	241.200	454.300	453.400	35.600	9.260	10.030	0.000	1202.000
3	19:57:12	240.000	459.900	455.000	36.270	9.167	8.186	0.000	1195.000
X		245.000	459.600	456.900	36.620	9.140	8.936	0.000	1205.000
σ		7.625	5.136	4.758	1.242	0.135	0.968	0.000	12.630
%RSD		3.112	1.118	1.041	3.392	1.479	10.830	0.000	1.048
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:55:46	54.565%	1107.000	1116.000	58.615%	47.240	47.950	44.220	40.280
2	19:56:29	53.711%	1105.000	1118.000	57.382%	47.690	48.400	46.650	39.010
3	19:57:12	53.277%	1100.000	1118.000	55.847%	47.320	48.450	45.500	39.060
X		53.851%	1104.000	1117.000	57.281%	47.420	48.270	45.460	39.450
σ		0.656%	3.642	1.308	1.387%	0.236	0.274	1.216	0.718
%RSD		1.217	0.330	0.117	2.421	0.498	0.567	2.675	1.821
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:55:46	61.381%	1967.000	452.500	456.700	1924.000	1904.000	68.859%	69.873%
2	19:56:29	60.880%	1979.000	462.400	464.200	1930.000	1901.000	69.126%	71.330%
3	19:57:12	60.468%	1977.000	463.900	461.400	1912.000	1885.000	70.258%	71.197%
X		60.909%	1974.000	459.600	460.700	1922.000	1897.000	69.414%	70.800%
σ		0.457%	6.273	6.203	3.785	9.428	10.380	0.743%	0.805%
%RSD		0.751	0.318	1.350	0.822	0.490	0.547	1.070	1.137
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	19:55:46	47.530	47.880	18.240	20.540	19.640	55.219%		
2	19:56:29	48.400	48.300	18.910	20.540	19.700	56.189%		
3	19:57:12	49.250	49.570	19.310	20.860	19.820	55.654%		
X		48.390	48.580	18.820	20.650	19.720	55.687%		
σ		0.860	0.878	0.539	0.181	0.095	0.486%		
%RSD		1.776	1.807	2.865	0.875	0.484	0.872		

180-20575-C-9-C MSD

5/7/2013 8:03:17 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:04:00	79.127%	44.400	939.500	903.800	0.000	46370.000	79970.000	80920.000
2	20:04:43	76.051%	45.610	955.500	900.900	0.000	44930.000	77800.000	78560.000
3	20:05:26	74.979%	43.330	970.500	904.300	0.000	44720.000	77640.000	78890.000
x		76.719%	44.440	955.100	903.000	0.000	45340.000	78470.000	79460.000
σ		2.153%	1.140	15.500	1.857	0.000	893.800	1302.000	1279.000
%RSD		2.806	2.566	1.622	0.206	0.000	1.971	1.660	1.610
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:04:00	1672.000	12000.000	0.000	48210.000	134500.000	126800.000	56.546%	1016.000
2	20:04:43	1629.000	11670.000	0.000	48480.000	136200.000	128400.000	53.451%	1009.000
3	20:05:26	1625.000	11710.000	0.000	47690.000	134600.000	125300.000	52.036%	1034.000
x		1642.000	11800.000	0.000	48130.000	135100.000	126900.000	54.011%	1020.000
σ		26.290	177.900	0.000	400.700	976.500	1563.000	2.307%	12.910
%RSD		1.601	1.508	0.000	0.833	0.723	1.232	4.271	1.266
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:04:00	491.700	195.900	490.000	1007.000	1307.000	484.900	487.300	240.700
2	20:04:43	487.400	196.200	494.300	1009.000	1303.000	479.800	479.300	242.200
3	20:05:26	489.900	195.800	502.800	1019.000	1284.000	482.600	475.600	236.000
x		489.700	196.000	495.700	1012.000	1298.000	482.400	480.800	239.600
σ		2.152	0.222	6.518	6.331	12.500	2.555	6.007	3.197
%RSD		0.440	0.113	1.315	0.626	0.963	0.530	1.249	1.334
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:04:00	248.200	447.800	449.400	34.280	8.151	9.396	0.000	1149.000
2	20:04:43	240.900	451.400	455.100	34.640	9.111	9.626	0.000	1138.000
3	20:05:26	240.500	459.200	455.800	32.510	9.321	9.354	0.000	1159.000
x		243.200	452.800	453.400	33.810	8.861	9.459	0.000	1149.000
σ		4.321	5.786	3.501	1.142	0.624	0.146	0.000	10.670
%RSD		1.777	1.278	0.772	3.377	7.043	1.547	0.000	0.929
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:04:00	55.645%	1074.000	1091.000	56.352%	47.360	48.390	44.730	39.580
2	20:04:43	54.034%	1076.000	1101.000	54.974%	47.610	47.200	44.290	38.940
3	20:05:26	52.717%	1079.000	1099.000	54.096%	47.940	48.020	45.700	38.190
x		54.132%	1077.000	1097.000	55.141%	47.640	47.870	44.910	38.900
σ		1.467%	2.431	5.096	1.137%	0.294	0.611	0.722	0.695
%RSD		2.709	0.226	0.465	2.062	0.618	1.276	1.607	1.788
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:04:00	59.800%	1965.000	456.600	449.700	1894.000	1882.000	67.480%	68.147%
2	20:04:43	59.275%	1954.000	457.200	457.700	1904.000	1885.000	67.444%	68.756%
3	20:05:26	58.340%	1991.000	462.000	456.200	1904.000	1890.000	68.644%	68.846%
x		59.138%	1970.000	458.600	454.500	1901.000	1886.000	67.856%	68.583%
σ		0.740%	18.950	2.926	4.247	5.877	4.058	0.683%	0.380%
%RSD		1.251	0.962	0.638	0.934	0.309	0.215	1.006	0.554
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:04:00	48.240	47.960	18.460	20.440	19.450	54.206%		
2	20:04:43	48.830	49.170	19.450	21.180	20.170	53.851%		
3	20:05:26	48.410	48.110	18.970	20.560	19.750	55.122%		
x		48.490	48.410	18.960	20.730	19.790	54.393%		
σ		0.302	0.656	0.492	0.398	0.362	0.656%		
%RSD		0.623	1.355	2.595	1.921	1.829	1.205		

180-20575-C-9-A PDS

5/7/2013 8:11:32 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:12:15	76.423%	47.510	989.500	945.100	0.000	46760.000	80220.000	80910.000
2	20:12:58	73.595%	48.070	989.100	938.900	0.000	44870.000	76670.000	77150.000
3	20:13:41	72.919%	48.170	1031.000	963.400	0.000	45760.000	78630.000	79060.000
x		74.312%	47.920	1003.000	949.100	0.000	45800.000	78510.000	79040.000
σ		1.859%	0.357	24.130	12.710	0.000	949.700	1780.000	1880.000
%RSD		2.501	0.745	2.406	1.340	0.000	2.074	2.268	2.379
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:12:15	1768.000	12130.000	0.000	49040.000	132500.000	125800.000	53.566%	1022.000
2	20:12:58	1701.000	11820.000	0.000	48220.000	133100.000	123500.000	51.482%	1021.000
3	20:13:41	1695.000	11780.000	0.000	48870.000	134300.000	127100.000	50.102%	1025.000
x		1722.000	11910.000	0.000	48710.000	133300.000	125500.000	51.717%	1023.000
σ		40.670	194.800	0.000	430.500	909.300	1851.000	1.744%	1.679
%RSD		2.362	1.635	0.000	0.884	0.682	1.475	3.372	0.164
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:12:15	513.600	207.000	521.300	1062.000	1382.000	510.100	502.400	252.200
2	20:12:58	511.100	204.200	518.000	1055.000	1330.000	498.700	485.500	243.500
3	20:13:41	517.300	205.000	523.000	1068.000	1365.000	504.700	482.800	243.800
x		514.000	205.400	520.800	1062.000	1359.000	504.500	490.200	246.500
σ		3.123	1.448	2.512	6.074	26.830	5.691	10.590	4.967
%RSD		0.608	0.705	0.482	0.572	1.974	1.128	2.161	2.015
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:12:15	248.800	474.000	473.900	38.100	9.888	10.290	0.000	1182.000
2	20:12:58	244.200	474.400	482.300	35.780	8.735	8.332	0.000	1156.000
3	20:13:41	247.200	477.300	485.100	35.290	9.199	11.020	0.000	1173.000
x		246.700	475.300	480.400	36.390	9.274	9.881	0.000	1170.000
σ		2.338	1.775	5.837	1.502	0.580	1.390	0.000	13.610
%RSD		0.948	0.374	1.215	4.126	6.257	14.070	0.000	1.163
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:12:15	54.687%	1083.000	1108.000	54.382%	51.040	52.280	47.970	41.420
2	20:12:58	54.141%	1074.000	1100.000	52.964%	50.320	50.480	46.400	41.060
3	20:13:41	53.851%	1085.000	1118.000	52.935%	50.570	51.960	48.320	40.690
x		54.226%	1081.000	1109.000	53.427%	50.640	51.570	47.560	41.060
σ		0.424%	5.507	9.098	0.827%	0.368	0.962	1.026	0.364
%RSD		0.783	0.510	0.821	1.548	0.728	1.864	2.158	0.886
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:12:15	58.045%	2017.000	468.100	463.800	2025.000	2004.000	66.584%	67.616%
2	20:12:58	58.603%	1979.000	463.900	457.900	1981.000	1971.000	68.014%	69.579%
3	20:13:41	58.397%	1997.000	473.400	467.100	1998.000	1976.000	67.587%	68.541%
x		58.348%	1998.000	468.400	462.900	2001.000	1984.000	67.395%	68.579%
σ		0.282%	18.540	4.760	4.683	22.390	17.590	0.734%	0.982%
%RSD		0.483	0.928	1.016	1.012	1.119	0.887	1.089	1.432
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:12:15	51.250	50.900	19.950	21.480	20.940	54.470%		
2	20:12:58	50.880	50.710	19.860	21.210	20.600	56.141%		
3	20:13:41	51.450	52.230	19.990	21.180	20.850	54.994%		
x		51.190	51.280	19.930	21.290	20.800	55.202%		
σ		0.285	0.830	0.065	0.166	0.178	0.855%		
%RSD		0.558	1.619	0.325	0.778	0.854	1.548		

180-20575-A-10-A 5/7/2013 8:19:47 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:20:30	80.112%	0.025	84.240	77.720	0.000	3374.000	38100.000	38300.000
2	20:21:13	77.907%	-0.019	83.620	80.690	0.000	3409.000	38030.000	38060.000
3	20:21:56	75.697%	0.012	82.830	79.200	0.000	3408.000	37740.000	38130.000
x		77.905%	0.006	83.560	79.200	0.000	3397.000	37960.000	38160.000
σ		2.207%	0.023	0.702	1.481	0.000	19.730	193.100	123.600
%RSD		2.833	383.000	0.840	1.870	0.000	0.581	0.509	0.324
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:20:30	10.560	3953.000	0.000	2334.000	82080.000	78550.000	58.960%	1.991
2	20:21:13	9.646	3853.000	0.000	2326.000	83290.000	78830.000	57.313%	1.419
3	20:21:56	9.920	3845.000	0.000	2297.000	84060.000	77990.000	55.824%	1.465
x		10.040	3884.000	0.000	2319.000	83140.000	78460.000	57.366%	1.625
σ		0.468	60.310	0.000	19.680	999.400	426.500	1.568%	0.318
%RSD		4.656	1.553	0.000	0.849	1.202	0.544	2.734	19.560
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:20:30	-3.516	2.170	0.708	28.050	188.700	0.206	1.508	0.740
2	20:21:13	-2.580	1.850	0.677	26.630	191.800	0.166	1.266	0.833
3	20:21:56	-1.650	1.961	0.657	26.040	188.000	0.167	1.606	0.931
x		-2.582	1.994	0.681	26.910	189.500	0.180	1.460	0.834
σ		0.933	0.162	0.026	1.030	2.022	0.023	0.175	0.095
%RSD		36.150	8.146	3.790	3.829	1.067	12.660	11.980	11.430
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:20:30	1.023	14.650	16.010	-0.729	0.324	0.001	0.000	132.100
2	20:21:13	0.817	14.650	14.820	0.605	0.124	0.523	0.000	130.800
3	20:21:56	1.048	16.320	15.340	-0.425	0.483	0.758	0.000	129.600
x		0.963	15.210	15.390	-0.183	0.310	0.427	0.000	130.800
σ		0.127	0.965	0.595	0.699	0.180	0.388	0.000	1.291
%RSD		13.200	6.348	3.866	382.100	57.980	90.700	0.000	0.987
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:20:30	63.009%	3.948	4.308	58.921%	-0.006	-0.001	-0.006	-0.103
2	20:21:13	62.974%	3.959	4.102	58.305%	0.013	0.009	0.058	0.015
3	20:21:56	62.495%	3.961	4.130	57.587%	0.004	-0.001	-0.093	-0.005
x		62.826%	3.956	4.180	58.271%	0.004	0.002	-0.014	-0.031
σ		0.287%	0.007	0.112	0.668%	0.010	0.006	0.075	0.063
%RSD		0.457	0.173	2.675	1.146	280.600	251.300	546.400	201.500
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:20:30	61.816%	14.590	6.198	6.345	37.590	37.260	70.142%	71.655%
2	20:21:13	63.428%	12.010	5.986	5.748	38.230	36.300	72.194%	72.864%
3	20:21:56	62.515%	11.160	6.197	6.212	36.500	36.590	71.858%	73.685%
x		62.586%	12.590	6.127	6.101	37.440	36.720	71.398%	72.735%
σ		0.808%	1.784	0.122	0.313	0.875	0.495	1.100%	1.021%
%RSD		1.291	14.180	1.987	5.134	2.337	1.349	1.541	1.404
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:20:30	0.071	0.083	0.112	0.073	0.102	59.118%		
2	20:21:13	0.074	0.075	0.090	0.075	0.084	60.252%		
3	20:21:56	0.077	0.077	0.075	0.067	0.084	61.128%		
x		0.074	0.078	0.092	0.072	0.090	60.166%		
σ		0.003	0.004	0.019	0.004	0.011	1.008%		
%RSD		4.287	5.003	20.090	5.884	11.920	1.675		

180-20575-G-11-A 5/7/2013 8:28:03 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:28:46	81.080%	0.024	6.241	5.620	0.000	1446.000	31440.000	32150.000
2	20:29:29	78.809%	-0.019	6.094	5.623	0.000	1419.000	30740.000	31360.000
3	20:30:12	75.563%	-0.004	6.986	4.912	0.000	1458.000	30830.000	31500.000
X		78.484%	0.001	6.440	5.385	0.000	1441.000	31010.000	31670.000
σ		2.773%	0.022	0.478	0.410	0.000	20.180	380.200	419.100
%RSD		3.533	3868.000	7.420	7.607	0.000	1.400	1.226	1.323
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:28:46	110.000	3735.000	0.000	1224.000	71670.000	66800.000	59.498%	2.945
2	20:29:29	104.700	3595.000	0.000	1241.000	70750.000	66110.000	57.626%	3.470
3	20:30:12	105.500	3607.000	0.000	1238.000	71690.000	67400.000	55.630%	3.112
X		106.800	3646.000	0.000	1234.000	71370.000	66770.000	57.584%	3.176
σ		2.881	77.830	0.000	9.064	538.400	644.800	1.935%	0.268
%RSD		2.699	2.135	0.000	0.735	0.754	0.966	3.359	8.449
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:28:46	-1.478	1.842	95.490	232.600	377.300	0.385	1.251	1.001
2	20:29:29	-0.968	1.488	92.100	224.900	359.000	0.363	0.960	0.857
3	20:30:12	-1.743	1.234	95.410	229.400	364.300	0.302	1.149	0.888
X		-1.396	1.521	94.330	228.900	366.900	0.350	1.120	0.915
σ		0.394	0.305	1.935	3.836	9.453	0.043	0.148	0.076
%RSD		28.200	20.080	2.051	1.676	2.577	12.260	13.190	8.287
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:28:46	0.920	2.337	2.563	-0.700	-0.330	0.208	0.000	116.100
2	20:29:29	0.700	2.677	2.768	-1.300	-0.249	-0.012	0.000	113.500
3	20:30:12	0.985	2.942	2.499	0.400	-0.532	-0.046	0.000	114.400
X		0.868	2.652	2.610	-0.533	-0.370	0.050	0.000	114.700
σ		0.150	0.303	0.140	0.862	0.146	0.138	0.000	1.338
%RSD		17.250	11.440	5.381	161.700	39.400	276.600	0.000	1.167
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:28:46	62.985%	1.244	1.598	59.313%	1.436	1.563	0.070	0.078
2	20:29:29	63.522%	1.403	1.419	59.035%	1.500	1.452	0.058	0.007
3	20:30:12	62.753%	1.482	1.249	58.440%	1.391	1.518	0.032	0.039
X		63.087%	1.376	1.422	58.929%	1.442	1.511	0.053	0.041
σ		0.395%	0.122	0.174	0.446%	0.055	0.055	0.020	0.035
%RSD		0.625	8.832	12.260	0.757	3.797	3.669	37.030	86.340
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:28:46	62.513%	8.026	0.396	0.423	72.610	72.290	69.338%	70.673%
2	20:29:29	63.126%	7.915	0.294	0.257	72.800	72.750	71.753%	73.478%
3	20:30:12	62.755%	7.392	0.350	0.322	74.270	71.850	72.830%	73.351%
X		62.798%	7.778	0.347	0.334	73.230	72.300	71.307%	72.501%
σ		0.309%	0.339	0.051	0.084	0.907	0.447	1.788%	1.584%
%RSD		0.492	4.353	14.700	25.180	1.239	0.618	2.508	2.185
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:28:46	0.052	0.053	0.601	0.673	0.643	59.052%		
2	20:29:29	0.049	0.045	0.599	0.669	0.635	61.416%		
3	20:30:12	0.044	0.041	0.645	0.613	0.618	62.001%		
X		0.048	0.046	0.615	0.651	0.632	60.823%		
σ		0.004	0.006	0.026	0.034	0.013	1.562%		
%RSD		8.473	13.430	4.260	5.187	2.011	2.567		

180-20575-A-12-B

5/7/2013 8:36:16 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:36:59	79.828%	0.010	9.321	9.376	0.000	19690.000	32970.000	33290.000
2	20:37:42	76.915%	0.027	11.090	9.618	0.000	19010.000	32390.000	32500.000
3	20:38:25	75.809%	0.090	12.390	8.889	0.000	19000.000	32020.000	32320.000
X		77.517%	0.042	10.930	9.294	0.000	19230.000	32460.000	32700.000
σ		2.076%	0.042	1.542	0.371	0.000	397.300	478.600	513.400
%RSD		2.678	99.000	14.110	3.993	0.000	2.066	1.474	1.570
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:36:59	76.580	4720.000	0.000	1032.000	106600.000	101200.000	58.370%	2.017
2	20:37:42	78.910	4661.000	0.000	1040.000	108700.000	102400.000	55.558%	3.722
3	20:38:25	72.560	4532.000	0.000	1012.000	105000.000	100600.000	54.567%	2.235
X		76.020	4638.000	0.000	1028.000	106800.000	101400.000	56.165%	2.658
σ		3.212	95.950	0.000	14.730	1842.000	924.800	1.973%	0.928
%RSD		4.225	2.069	0.000	1.433	1.725	0.912	3.513	34.910
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:36:59	0.151	1.966	61.870	1056.000	1298.000	0.414	3.883	1.836
2	20:37:42	-1.828	1.596	62.210	1053.000	1283.000	0.364	3.087	1.871
3	20:38:25	-1.822	1.540	61.260	1045.000	1235.000	0.440	3.449	1.999
X		-1.166	1.701	61.780	1051.000	1272.000	0.406	3.473	1.902
σ		1.141	0.232	0.482	5.569	32.910	0.038	0.399	0.086
%RSD		97.790	13.610	0.781	0.530	2.587	9.403	11.490	4.512
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:36:59	1.880	5.682	5.745	4.082	-0.634	-0.896	0.000	138.600
2	20:37:42	1.801	4.687	5.168	4.198	-0.495	-0.412	0.000	137.200
3	20:38:25	1.826	5.432	4.913	4.347	-0.250	0.277	0.000	138.300
X		1.835	5.267	5.275	4.209	-0.460	-0.344	0.000	138.000
σ		0.041	0.518	0.426	0.133	0.195	0.590	0.000	0.746
%RSD		2.210	9.830	8.085	3.161	42.350	171.600	0.000	0.541
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:36:59	61.137%	1.779	1.860	57.258%	0.001	-0.014	0.089	0.028
2	20:37:42	61.563%	1.832	1.620	56.343%	-0.006	-0.006	-0.105	-0.072
3	20:38:25	60.145%	1.664	1.843	55.823%	-0.006	-0.006	-0.130	-0.121
X		60.948%	1.758	1.774	56.475%	-0.004	-0.009	-0.049	-0.055
σ		0.727%	0.086	0.134	0.726%	0.004	0.005	0.120	0.076
%RSD		1.193	4.904	7.557	1.286	119.500	53.460	247.500	137.100
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:36:59	60.548%	5.497	0.359	0.236	137.200	136.300	67.506%	68.292%
2	20:37:42	60.828%	6.055	0.240	0.322	136.400	135.500	68.490%	70.218%
3	20:38:25	60.602%	6.033	0.251	0.310	138.100	136.700	69.050%	70.297%
X		60.660%	5.862	0.283	0.289	137.300	136.200	68.349%	69.603%
σ		0.148%	0.316	0.066	0.047	0.872	0.628	0.782%	1.136%
%RSD		0.245	5.383	23.290	16.140	0.635	0.461	1.144	1.631
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:36:59	0.040	0.035	0.717	0.655	0.683	55.461%		
2	20:37:42	0.048	0.036	0.713	0.699	0.679	57.726%		
3	20:38:25	0.041	0.028	0.685	0.711	0.690	58.044%		
X		0.043	0.033	0.705	0.688	0.684	57.077%		
σ		0.005	0.004	0.017	0.029	0.006	1.408%		
%RSD		10.910	12.440	2.465	4.218	0.814	2.467		

180-20575-I-15-A 5/7/2013 8:44:28 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:45:11	78.425%	-0.019	-2.323	-3.584	0.000	4591.000	5976.000	5995.000
2	20:45:54	76.084%	0.027	-1.229	-3.519	0.000	4612.000	5852.000	5929.000
3	20:46:38	74.902%	-0.019	-1.155	-3.448	0.000	4430.000	5749.000	5754.000
X		76.470%	-0.004	-1.569	-3.517	0.000	4544.000	5859.000	5893.000
σ		1.793%	0.027	0.654	0.068	0.000	99.860	113.500	124.800
%RSD		2.345	737.900	41.700	1.930	0.000	2.197	1.936	2.118
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:45:11	6.946	2089.000	0.000	1594.000	28910.000	27330.000	57.063%	1.376
2	20:45:54	7.119	2040.000	0.000	1548.000	28680.000	26890.000	54.834%	1.334
3	20:46:38	6.354	1999.000	0.000	1575.000	28950.000	27070.000	53.006%	1.335
X		6.807	2042.000	0.000	1572.000	28850.000	27100.000	54.968%	1.349
σ		0.401	45.370	0.000	23.020	145.500	220.200	2.032%	0.024
%RSD		5.894	2.221	0.000	1.464	0.504	0.813	3.696	1.795
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:45:11	-0.347	1.086	8.782	635.600	705.300	0.059	0.122	4.192
2	20:45:54	-2.235	0.693	8.406	630.200	687.900	0.085	0.114	4.084
3	20:46:38	-2.479	0.611	8.618	637.500	692.500	0.078	0.095	3.828
X		-1.687	0.797	8.602	634.400	695.300	0.074	0.111	4.035
σ		1.167	0.254	0.189	3.786	9.026	0.014	0.014	0.187
%RSD		69.150	31.870	2.193	0.597	1.298	18.570	12.570	4.627
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:45:11	4.115	163.500	162.600	-0.394	-0.331	-0.192	0.000	120.600
2	20:45:54	3.931	154.100	156.000	-1.019	-0.620	-0.407	0.000	117.600
3	20:46:38	3.964	156.500	160.000	0.801	-0.276	-0.416	0.000	119.000
X		4.003	158.000	159.600	-0.204	-0.409	-0.338	0.000	119.100
σ		0.098	4.896	3.311	0.924	0.185	0.127	0.000	1.504
%RSD		2.445	3.098	2.075	453.000	45.160	37.560	0.000	1.263
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:45:11	59.950%	0.455	0.383	58.230%	0.004	0.002	0.181	0.144
2	20:45:54	59.649%	0.497	0.403	57.626%	-0.001	-0.011	0.064	0.131
3	20:46:38	58.890%	0.254	0.420	56.890%	0.007	-0.003	0.096	0.223
X		59.496%	0.402	0.402	57.582%	0.003	-0.004	0.114	0.166
σ		0.547%	0.130	0.019	0.671%	0.004	0.007	0.060	0.050
%RSD		0.919	32.210	4.717	1.166	128.500	153.600	53.230	30.050
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:45:11	60.072%	5.115	0.149	0.179	26.290	25.320	65.125%	66.708%
2	20:45:54	60.008%	5.390	0.179	0.144	25.290	24.490	67.406%	68.145%
3	20:46:38	60.729%	5.458	0.191	0.147	25.510	24.130	67.232%	68.439%
X		60.270%	5.321	0.173	0.157	25.700	24.650	66.588%	67.764%
σ		0.399%	0.181	0.021	0.019	0.526	0.611	1.270%	0.926%
%RSD		0.662	3.408	12.320	12.370	2.048	2.477	1.907	1.367
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:45:11	0.031	0.027	1.545	1.538	1.507	57.836%		
2	20:45:54	0.024	0.025	1.544	1.588	1.525	59.578%		
3	20:46:38	0.020	0.028	1.492	1.455	1.506	60.033%		
X		0.025	0.027	1.527	1.527	1.513	59.149%		
σ		0.006	0.001	0.030	0.067	0.011	1.160%		
%RSD		23.060	4.853	1.993	4.396	0.711	1.961		

180-20575-A-16-A 5/7/2013 8:52:42 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:53:25	80.867%	0.010	-10.930	-10.710	0.000	20.260	1.736	1.881
2	20:54:08	79.811%	-0.019	-12.120	-12.100	0.000	23.700	1.145	1.748
3	20:54:51	77.196%	0.011	-11.210	-12.330	0.000	26.310	1.779	1.456
x		79.291%	0.001	-11.420	-11.720	0.000	23.420	1.553	1.695
σ		1.890%	0.017	0.624	0.875	0.000	3.032	0.354	0.218
%RSD		2.384	2248.000	5.461	7.470	0.000	12.940	22.820	12.840
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:53:25	2.078	31.810	0.000	-6.394	15.330	15.640	58.717%	0.910
2	20:54:08	2.000	30.810	0.000	-8.493	7.368	11.100	56.392%	0.260
3	20:54:51	2.157	31.720	0.000	-6.965	21.140	10.590	55.273%	0.989
x		2.079	31.450	0.000	-7.284	14.610	12.440	56.794%	0.720
σ		0.078	0.553	0.000	1.085	6.913	2.781	1.757%	0.400
%RSD		3.769	1.757	0.000	14.900	47.310	22.350	3.093	55.630
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:53:25	-2.775	1.249	0.051	0.135	5.059	0.002	0.006	0.883
2	20:54:08	-2.550	0.788	0.080	0.674	3.515	0.002	0.053	0.929
3	20:54:51	-2.354	0.709	0.090	0.023	4.716	-0.004	0.070	1.081
x		-2.560	0.915	0.074	0.277	4.430	-0.000	0.043	0.965
σ		0.211	0.292	0.020	0.348	0.811	0.003	0.033	0.104
%RSD		8.241	31.880	27.390	125.600	18.300	25290.000	77.390	10.750
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:53:25	1.031	2.032	2.393	0.430	-0.529	-0.274	0.000	0.024
2	20:54:08	0.959	2.422	2.651	-0.806	-0.441	-0.504	0.000	0.020
3	20:54:51	0.837	2.264	2.783	-0.166	-0.507	0.095	0.000	0.022
x		0.943	2.239	2.609	-0.181	-0.492	-0.228	0.000	0.022
σ		0.098	0.196	0.198	0.618	0.046	0.302	0.000	0.002
%RSD		10.400	8.764	7.597	342.300	9.386	132.600	0.000	10.040
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:53:25	62.268%	0.203	0.168	60.909%	-0.007	-0.006	-0.004	-0.007
2	20:54:08	61.723%	0.196	0.131	60.199%	-0.007	-0.006	0.021	0.044
3	20:54:51	60.513%	0.135	0.162	59.269%	0.008	-0.009	0.082	0.054
x		61.501%	0.178	0.154	60.126%	-0.002	-0.007	0.033	0.030
σ		0.898%	0.037	0.020	0.822%	0.009	0.001	0.044	0.033
%RSD		1.461	21.030	12.880	1.368	543.000	19.610	134.000	108.500
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:53:25	62.147%	3.729	0.107	0.123	-0.027	-0.015	68.342%	69.187%
2	20:54:08	62.204%	3.863	0.133	0.102	-0.015	0.012	69.898%	70.349%
3	20:54:51	61.223%	4.238	0.132	0.141	-0.051	-0.008	69.509%	70.603%
x		61.858%	3.943	0.124	0.122	-0.031	-0.004	69.250%	70.046%
σ		0.551%	0.264	0.015	0.020	0.018	0.014	0.810%	0.755%
%RSD		0.890	6.682	11.740	16.040	59.760	397.800	1.170	1.078
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:53:25	0.013	0.025	0.064	0.040	0.056	62.094%		
2	20:54:08	0.036	0.020	0.047	0.071	0.071	62.936%		
3	20:54:51	0.023	0.026	0.062	0.018	0.046	63.604%		
x		0.024	0.024	0.058	0.043	0.058	62.878%		
σ		0.011	0.003	0.009	0.027	0.013	0.757%		
%RSD		47.250	12.400	15.520	62.520	21.800	1.204		

CCV 801624 5/7/2013 9:00:56 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:01:39	78.220%	107.100	84.460	85.160	0.000	47560.000	48270.000	48460.000
2	21:02:22	78.569%	106.100	87.560	87.610	0.000	46660.000	47190.000	47810.000
3	21:03:05	79.465%	107.800	88.820	87.380	0.000	47370.000	48490.000	48210.000
x		78.751%	106.988%	86.943%	86.716%	0.000	94.395%	95.965%	96.316%
σ		0.642%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.816	0.784	2.582	1.563	0.000	1.011	1.452	0.685
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:01:39	496.000	5036.000	0.000	49150.000	50110.000	47520.000	66.500%	105.000
2	21:02:22	492.600	4955.000	0.000	48860.000	50130.000	46660.000	66.886%	101.500
3	21:03:05	497.000	4974.000	0.000	48590.000	49960.000	46610.000	67.899%	104.500
x		99.042%	99.760%	0.000	97.731%	100.131%	93.857%	67.095%	103.664%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.722%	n/a
%RSD		0.459	0.848	0.000	0.581	0.182	1.088	1.077	1.821
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:01:39	100.300	102.800	510.200	25500.000	25550.000	101.600	103.100	103.100
2	21:02:22	99.530	100.200	507.000	25210.000	25460.000	101.900	104.000	106.100
3	21:03:05	101.100	102.700	508.300	25530.000	25560.000	102.500	102.600	105.400
x		100.305%	101.922%	101.695%	101.649%	102.088%	101.987%	103.242%	104.888%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.766	1.468	0.318	0.698	0.211	0.460	0.649	1.474
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:01:39	104.300	108.300	104.300	100.500	100.400	103.500	0.000	97.310
2	21:02:22	102.900	105.500	103.200	101.800	102.000	99.330	0.000	96.730
3	21:03:05	103.600	104.300	105.000	99.990	103.200	101.700	0.000	96.830
x		103.609%	106.022%	104.152%	100.786%	101.908%	101.517%	0.000	96.957%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.652	1.927	0.877	0.943	1.384	2.079	0.000	0.319
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:01:39	68.816%	101.100	104.500	65.428%	101.400	100.600	101.700	101.500
2	21:02:22	69.750%	105.000	105.600	65.965%	101.000	101.800	100.800	101.000
3	21:03:05	70.635%	104.300	106.100	67.092%	101.000	103.200	101.400	101.100
x		69.734%	103.477%	105.404%	66.162%	101.163%	101.875%	101.283%	101.203%
σ		0.909%	n/a	n/a	0.849%	n/a	n/a	n/a	n/a
%RSD		1.304	2.022	0.813	1.283	0.238	1.320	0.416	0.270
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:01:39	67.564%	101.400	100.900	101.300	99.210	95.400	72.143%	73.111%
2	21:02:22	68.463%	99.340	98.380	98.810	96.890	94.280	74.034%	74.178%
3	21:03:05	69.479%	100.400	99.260	100.200	98.020	96.980	74.000%	75.482%
x		68.502%	100.365%	99.506%	100.086%	98.039%	95.554%	73.392%	74.257%
σ		0.958%	n/a	n/a	n/a	n/a	n/a	1.082%	1.187%
%RSD		1.399	1.007	1.270	1.248	1.186	1.423	1.474	1.599
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:01:39	95.060	96.760	97.830	96.930	97.420	64.065%		
2	21:02:22	97.170	96.900	98.660	98.830	98.380	64.797%		
3	21:03:05	97.200	97.390	98.940	97.870	98.600	65.116%		
x		96.474%	97.016%	98.477%	97.878%	98.134%	64.659%		
σ		n/a	n/a	n/a	n/a	n/a	0.539%		
%RSD		1.269	0.343	0.587	0.972	0.641	0.834		

CCB6 5/7/2013 9:09:12 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:09:55	100.425%	-0.008	-12.520	-12.540	0.000	10.230	6.185	6.753
2	21:10:38	98.883%	-0.019	-12.370	-13.100	0.000	13.550	9.368	9.341
3	21:11:21	98.122%	-0.007	-12.380	-13.000	0.000	17.700	11.670	12.890
X		99.143%	-0.011	-12.420	-12.880	0.000	13.830	9.075	9.662
σ		1.173%	0.007	0.086	0.297	0.000	3.743	2.755	3.083
%RSD		1.183	59.240	0.691	2.309	0.000	27.070	30.350	31.900
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:09:55	1.696	-1.057	0.000	-7.011	2.670	7.910	88.258%	-0.181
2	21:10:38	1.573	-0.638	0.000	-3.468	2.678	8.771	88.232%	-0.319
3	21:11:21	1.954	0.264	0.000	-1.008	8.685	13.590	86.238%	-0.176
X		1.741	-0.477	0.000	-3.829	4.678	10.090	87.576%	-0.225
σ		0.195	0.675	0.000	3.018	3.471	3.063	1.159%	0.081
%RSD		11.170	141.600	0.000	78.820	74.200	30.350	1.323	36.120
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:09:55	-0.072	-0.015	0.460	7.960	6.230	0.013	0.017	0.041
2	21:10:38	0.011	0.078	0.474	9.599	7.582	0.018	0.057	0.036
3	21:11:21	-0.047	0.043	0.567	12.180	8.727	0.023	0.038	0.055
X		-0.036	0.035	0.500	9.914	7.513	0.018	0.037	0.044
σ		0.043	0.047	0.058	2.130	1.250	0.005	0.020	0.010
%RSD		118.800	132.600	11.700	21.480	16.640	28.330	53.990	21.940
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:09:55	0.072	0.110	0.048	0.081	-0.093	0.153	0.000	0.019
2	21:10:38	0.054	0.174	0.265	-0.019	0.097	0.107	0.000	0.028
3	21:11:21	0.141	0.101	0.082	0.080	0.129	0.149	0.000	0.050
X		0.089	0.128	0.132	0.047	0.044	0.136	0.000	0.032
σ		0.046	0.040	0.117	0.057	0.120	0.025	0.000	0.016
%RSD		51.690	31.010	88.620	120.400	271.600	18.500	0.000	49.610
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:09:55	88.314%	0.409	0.313	89.291%	0.006	0.013	0.170	0.124
2	21:10:38	90.501%	0.235	0.325	90.883%	0.018	0.007	0.138	0.091
3	21:11:21	89.356%	0.310	0.263	91.112%	0.022	0.021	0.027	0.037
X		89.390%	0.318	0.300	90.429%	0.015	0.013	0.112	0.084
σ		1.094%	0.087	0.033	0.992%	0.008	0.007	0.075	0.044
%RSD		1.224	27.430	11.030	1.097	53.570	52.080	67.160	52.030
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:09:55	86.447%	0.109	0.069	0.054	-0.017	0.037	85.921%	87.126%
2	21:10:38	88.625%	0.128	0.041	0.061	0.071	0.046	88.247%	89.089%
3	21:11:21	88.504%	0.105	0.064	0.067	-0.010	0.035	89.457%	89.849%
X		87.858%	0.114	0.058	0.061	0.015	0.039	87.875%	88.688%
σ		1.224%	0.012	0.015	0.006	0.049	0.006	1.797%	1.405%
%RSD		1.393	10.650	25.710	10.410	335.400	14.240	2.046	1.584
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:09:55	0.012	0.021	0.155	0.134	0.146	88.176%		
2	21:10:38	0.010	0.026	0.155	0.139	0.150	90.544%		
3	21:11:21	0.031	0.024	0.135	0.132	0.144	91.348%		
X		0.018	0.024	0.148	0.135	0.147	90.023%		
σ		0.012	0.002	0.012	0.004	0.003	1.649%		
%RSD		65.920	9.894	7.826	2.643	1.883	1.832		

CRI 806392 5/7/2013 9:17:29 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:18:12	101.537%	1.143	-7.573	-8.337	0.000	90.880	87.220	93.970
2	21:18:55	95.524%	1.141	-9.867	-7.942	0.000	101.400	102.200	101.200
3	21:19:38	92.276%	1.131	-7.664	-8.191	0.000	102.300	102.100	103.100
x		96.445%	113.831%	-167.355%	-163.129%	0.000	98.188%	97.172%	99.415%
σ		4.699%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		4.872	0.575	15.520	2.448	0.000	6.465	8.866	4.838
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:18:12	32.530	468.600	0.000	75.730	92.180	90.960	92.230%	4.811
2	21:18:55	34.690	498.500	0.000	79.770	103.700	95.690	89.566%	5.035
3	21:19:38	36.100	507.400	0.000	84.710	77.920	90.550	87.104%	5.321
x		114.799%	98.297%	0.000	80.071%	91.255%	92.399%	89.633%	101.111%
σ		n/a	n/a	0.000	n/a	n/a	n/a	2.564%	n/a
%RSD		5.213	4.135	0.000	5.612	14.140	3.096	2.860	5.059
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:18:12	0.952	1.742	5.103	54.170	59.090	0.535	0.962	2.144
2	21:18:55	0.727	1.971	5.464	58.270	60.200	0.511	0.994	2.359
3	21:19:38	1.198	2.046	5.630	59.990	60.340	0.544	1.163	2.429
x		95.910%	95.985%	1079.784%	114.954%	119.757%	105.988%	103.994%	115.549%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		24.570	8.243	4.995	5.207	1.145	3.236	10.390	6.440
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:18:12	2.369	5.224	5.245	0.718	4.562	3.697	0.000	4.167
2	21:18:55	2.407	6.036	6.015	0.923	5.075	4.665	0.000	4.424
3	21:19:38	2.409	5.846	5.906	0.953	4.590	4.172	0.000	4.476
x		119.740%	114.036%	114.437%	86.482%	94.851%	83.563%	0.000	87.119%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.950	7.449	7.284	14.790	6.084	11.590	0.000	3.798
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:18:12	95.361%	4.108	4.130	91.105%	0.975	0.966	0.976	0.974
2	21:18:55	91.965%	4.586	4.735	88.118%	0.977	1.100	1.232	1.182
3	21:19:38	92.296%	4.771	4.884	88.428%	1.025	1.099	1.185	1.015
x		93.207%	89.763%	91.662%	89.217%	99.237%	105.479%	113.120%	105.711%
σ		1.873%	n/a	n/a	1.642%	n/a	n/a	n/a	n/a
%RSD		2.009	7.631	8.715	1.841	2.868	7.292	12.050	10.450
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:18:12	88.675%	4.424	1.880	1.728	9.183	8.631	87.119%	87.777%
2	21:18:55	85.898%	5.028	2.107	2.050	9.590	9.887	86.610%	86.818%
3	21:19:38	86.070%	5.246	2.031	1.988	9.468	9.814	86.813%	88.102%
x		86.881%	97.986%	100.304%	96.095%	94.138%	94.440%	86.847%	87.566%
σ		1.556%	n/a	n/a	n/a	n/a	n/a	0.257%	0.667%
%RSD		1.791	8.682	5.770	8.903	2.224	7.464	0.295	0.762
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:18:12	0.820	0.822	0.890	0.942	0.921	88.131%		
2	21:18:55	0.890	0.869	0.945	0.903	0.971	88.719%		
3	21:19:38	0.891	0.895	1.061	1.019	1.014	88.390%		
x		86.714%	86.192%	96.528%	95.455%	96.894%	88.413%		
σ		n/a	n/a	n/a	n/a	n/a	0.295%		
%RSD		4.744	4.290	9.031	6.196	4.801	0.333		

CRI 806392 5/7/2013 9:25:44 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:26:27	101.557%	1.107	-8.504	-8.722	0.000	97.510	103.700	101.500
2	21:27:10	101.945%	1.025	-9.140	-8.758	0.000	100.200	98.340	101.100
3	21:27:53	102.018%	1.081	-9.904	-9.082	0.000	98.260	99.040	96.520
x		101.840%	107.106%	-183.654%	-177.077%	0.000	98.650%	100.367%	99.725%
σ		0.248%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.243	3.899	7.636	2.236	0.000	1.394	2.915	2.790
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:26:27	35.160	506.500	0.000	83.020	92.680	103.400	94.413%	4.017
2	21:27:10	34.710	499.300	0.000	81.870	94.480	102.400	92.619%	4.695
3	21:27:53	33.370	491.300	0.000	79.300	105.600	91.090	92.412%	4.603
x		114.714%	99.805%	0.000	81.397%	97.573%	98.968%	93.148%	88.765%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.100%	n/a
%RSD		2.700	1.526	0.000	2.341	7.149	6.907	1.181	8.287
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:26:27	0.784	1.821	5.398	59.650	61.420	0.458	1.053	2.411
2	21:27:10	1.131	1.930	5.471	59.970	60.400	0.509	1.110	2.077
3	21:27:53	0.952	1.981	5.501	58.540	60.400	0.448	1.269	2.405
x		95.539%	95.532%	1091.338%	118.766%	121.482%	94.353%	114.384%	114.884%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		18.170	4.266	0.975	1.266	0.966	6.919	9.763	8.325
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:26:27	2.423	6.519	5.483	1.114	5.293	4.617	0.000	4.404
2	21:27:10	1.998	5.760	6.257	0.797	4.795	4.803	0.000	4.491
3	21:27:53	2.417	5.781	6.010	1.564	4.664	5.604	0.000	4.465
x		113.965%	120.402%	118.333%	115.858%	98.344%	100.161%	0.000	89.064%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		10.670	7.182	6.685	33.260	6.742	10.480	0.000	1.004
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:26:27	94.787%	4.790	4.574	88.984%	1.046	1.087	1.315	1.218
2	21:27:10	93.714%	4.644	4.879	89.315%	1.063	1.133	1.157	1.113
3	21:27:53	95.084%	4.753	4.891	89.932%	1.023	1.032	1.119	1.067
x		94.528%	94.580%	95.628%	89.410%	104.390%	108.398%	119.690%	113.282%
σ		0.721%	n/a	n/a	0.481%	n/a	n/a	n/a	n/a
%RSD		0.763	1.613	3.752	0.538	1.904	4.657	8.665	6.791
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:26:27	84.941%	4.968	1.927	2.083	9.686	9.344	83.409%	83.620%
2	21:27:10	86.421%	5.132	2.166	2.149	9.731	9.555	85.045%	85.801%
3	21:27:53	87.923%	4.954	2.105	2.037	9.356	10.090	86.675%	86.823%
x		86.428%	100.364%	103.299%	104.483%	95.911%	96.639%	85.043%	85.414%
σ		1.491%	n/a	n/a	n/a	n/a	n/a	1.633%	1.636%
%RSD		1.725	1.972	6.004	2.685	2.133	3.993	1.920	1.916
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:26:27	0.900	0.871	0.952	1.008	0.991	83.612%		
2	21:27:10	0.906	0.895	0.979	1.015	0.997	85.274%		
3	21:27:53	0.924	0.893	0.963	0.995	0.997	86.762%		
x		91.018%	88.644%	96.441%	100.613%	99.473%	85.216%		
σ		n/a	n/a	n/a	n/a	n/a	1.576%		
%RSD		1.397	1.483	1.416	1.002	0.310	1.849		

CCV 801624 5/7/2013 9:33:59 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:34:41	91.920%	105.800	81.670	82.110	0.000	48340.000	48890.000	48370.000
2	21:35:24	90.061%	105.400	85.660	83.790	0.000	47340.000	48090.000	47880.000
3	21:36:08	88.044%	108.600	87.250	90.110	0.000	49790.000	50160.000	49380.000
x		90.009%	106.585%	84.862%	85.335%	0.000	96.980%	98.092%	97.089%
σ		1.938%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		2.154	1.625	3.386	4.941	0.000	2.542	2.134	1.569
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:34:41	507.000	5168.000	0.000	49110.000	49100.000	46000.000	80.243%	102.900
2	21:35:24	497.700	5096.000	0.000	49370.000	49430.000	46430.000	79.744%	106.100
3	21:36:08	514.000	5240.000	0.000	49840.000	50090.000	47740.000	78.156%	106.100
x		101.245%	103.359%	0.000	98.884%	99.083%	93.442%	79.381%	105.046%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.090%	n/a
%RSD		1.612	1.395	0.000	0.745	1.022	1.936	1.373	1.736
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:34:41	100.500	100.500	493.400	25220.000	25160.000	103.100	104.800	105.600
2	21:35:24	99.490	100.700	495.300	24970.000	25080.000	102.700	105.800	105.900
3	21:36:08	102.400	102.600	510.700	25670.000	25760.000	104.700	105.700	109.700
x		100.800%	101.267%	99.963%	101.143%	101.321%	103.482%	105.432%	107.093%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.447	1.186	1.898	1.400	1.464	1.006	0.504	2.127
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:34:41	107.900	104.900	102.700	100.500	102.200	100.300	0.000	95.200
2	21:35:24	106.100	103.500	103.700	103.200	100.400	101.300	0.000	94.160
3	21:36:08	107.200	105.900	105.100	103.800	103.000	100.900	0.000	95.990
x		107.062%	104.735%	103.825%	102.488%	101.873%	100.841%	0.000	95.116%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.816	1.157	1.203	1.739	1.298	0.519	0.000	0.966
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:34:41	78.827%	100.600	102.300	72.751%	103.000	103.400	97.520	101.000
2	21:35:24	78.871%	102.800	105.900	72.086%	102.900	103.500	99.640	99.780
3	21:36:08	79.046%	106.600	108.200	72.520%	103.800	105.600	102.600	104.400
x		78.914%	103.348%	105.442%	72.452%	103.235%	104.162%	99.935%	101.722%
σ		0.116%	n/a	n/a	0.337%	n/a	n/a	n/a	n/a
%RSD		0.147	2.942	2.841	0.466	0.465	1.221	2.577	2.357
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:34:41	72.590%	98.540	98.030	97.160	98.140	98.020	75.025%	74.857%
2	21:35:24	73.011%	101.000	99.740	98.730	100.200	97.990	75.537%	76.433%
3	21:36:08	72.238%	103.400	103.700	103.000	102.400	101.800	75.738%	76.231%
x		72.613%	100.992%	100.497%	99.615%	100.235%	99.281%	75.433%	75.840%
σ		0.387%	n/a	n/a	n/a	n/a	n/a	0.368%	0.858%
%RSD		0.533	2.422	2.906	3.008	2.125	2.224	0.488	1.131
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:34:41	97.570	97.290	97.580	97.440	97.530	65.034%		
2	21:35:24	97.600	95.940	97.710	98.060	97.970	65.852%		
3	21:36:08	101.800	100.200	100.400	101.400	101.600	65.222%		
x		98.975%	97.800%	98.555%	98.966%	99.023%	65.369%		
σ		n/a	n/a	n/a	n/a	n/a	0.428%		
%RSD		2.432	2.210	1.601	2.151	2.234	0.655		

CCB7 5/7/2013 9:42:14 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:42:57	111.172%	0.012	-13.190	-13.340	0.000	7.318	7.034	6.911
2	21:43:40	110.051%	0.033	-13.820	-13.810	0.000	9.453	10.030	9.331
3	21:44:23	108.205%	0.013	-13.570	-13.890	0.000	11.900	11.290	11.670
X		109.810%	0.019	-13.530	-13.680	0.000	9.558	9.449	9.304
σ		1.498%	0.012	0.320	0.298	0.000	2.295	2.184	2.380
%RSD		1.364	61.980	2.367	2.181	0.000	24.010	23.120	25.580
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:42:57	1.692	-0.044	0.000	-5.170	4.150	7.135	100.387%	-0.267
2	21:43:40	1.874	0.325	0.000	-4.288	-0.952	8.384	102.589%	-0.000
3	21:44:23	1.874	-0.249	0.000	-2.844	11.870	10.000	99.216%	-0.111
X		1.813	0.010	0.000	-4.101	5.024	8.506	100.731%	-0.126
σ		0.105	0.291	0.000	1.174	6.457	1.437	1.713%	0.134
%RSD		5.802	2820.000	0.000	28.640	128.500	16.890	1.700	106.300
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:42:57	0.075	0.031	0.385	10.940	8.354	0.011	0.049	0.058
2	21:43:40	0.036	0.024	0.393	10.980	8.212	0.021	0.029	0.069
3	21:44:23	0.040	0.034	0.455	13.350	9.044	0.023	-0.006	0.068
X		0.050	0.030	0.411	11.760	8.537	0.018	0.024	0.065
σ		0.021	0.005	0.038	1.382	0.445	0.007	0.028	0.006
%RSD		42.290	18.160	9.328	11.760	5.215	36.130	114.900	9.574
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:42:57	0.029	0.123	0.001	-0.123	-0.167	-0.779	0.000	0.028
2	21:43:40	0.079	0.104	0.291	0.051	0.498	-0.108	0.000	0.038
3	21:44:23	0.044	0.080	0.133	-0.120	0.079	-0.240	0.000	0.028
X		0.050	0.102	0.141	-0.064	0.137	-0.376	0.000	0.031
σ		0.026	0.022	0.145	0.099	0.336	0.356	0.000	0.006
%RSD		50.970	21.430	102.400	155.900	245.500	94.680	0.000	19.170
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:42:57	95.415%	0.468	0.457	97.630%	0.011	0.010	0.105	0.081
2	21:43:40	97.841%	0.600	0.463	98.913%	0.010	-0.001	0.205	0.124
3	21:44:23	97.778%	0.408	0.494	98.883%	0.015	0.007	0.086	0.070
X		97.011%	0.492	0.471	98.475%	0.012	0.005	0.132	0.092
σ		1.383%	0.098	0.020	0.732%	0.003	0.006	0.064	0.029
%RSD		1.426	19.910	4.188	0.744	21.360	110.100	48.720	31.460
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:42:57	93.062%	0.228	0.061	0.103	-0.012	0.029	90.163%	90.486%
2	21:43:40	95.409%	0.219	0.126	0.094	-0.030	0.023	93.400%	92.518%
3	21:44:23	94.318%	0.208	0.077	0.092	0.021	0.038	92.923%	91.879%
X		94.263%	0.218	0.088	0.096	-0.007	0.030	92.162%	91.628%
σ		1.175%	0.010	0.034	0.006	0.026	0.007	1.747%	1.039%
%RSD		1.246	4.695	38.640	5.760	388.300	24.620	1.896	1.134
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:42:57	0.014	0.017	0.111	0.125	0.120	91.310%		
2	21:43:40	0.022	0.019	0.116	0.109	0.116	94.717%		
3	21:44:23	0.020	0.025	0.117	0.113	0.118	94.142%		
X		0.019	0.020	0.114	0.115	0.118	93.390%		
σ		0.004	0.004	0.003	0.008	0.002	1.824%		
%RSD		20.870	21.270	2.679	7.158	1.792	1.953		

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5/7/2013 9:47:05 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:47:48	110.629%	0.002	-13.370	-13.370	0.000	6.410	5.832	5.957
2	21:48:31	105.219%	-0.008	-14.010	-13.840	0.000	8.850	5.844	6.126
3	21:49:14	106.884%	-0.019	-14.010	-14.260	0.000	8.371	5.256	5.234
X		107.578%	-0.009	-13.790	-13.820	0.000	7.877	5.644	5.772
σ		2.771%	0.010	0.368	0.447	0.000	1.293	0.336	0.474
%RSD		2.576	122.800	2.668	3.231	0.000	16.410	5.953	8.204
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:47:48	1.742	1.576	0.000	-8.142	17.280	17.160	97.590%	0.208
2	21:48:31	1.854	1.315	0.000	-9.916	22.390	16.810	97.930%	-0.076
3	21:49:14	1.578	1.230	0.000	-11.050	14.420	14.410	99.213%	-0.080
X		1.725	1.374	0.000	-9.703	18.030	16.130	98.244%	0.017
σ		0.139	0.180	0.000	1.466	4.038	1.494	0.856%	0.165
%RSD		8.045	13.140	0.000	15.110	22.400	9.265	0.871	950.100
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:47:48	-0.037	0.014	0.108	18.770	15.410	-0.005	0.022	0.072
2	21:48:31	0.046	0.032	0.091	16.450	12.010	-0.003	0.004	0.112
3	21:49:14	0.029	0.008	0.098	11.470	12.060	-0.003	0.040	0.065
X		0.012	0.018	0.099	15.560	13.160	-0.004	0.022	0.083
σ		0.044	0.012	0.009	3.727	1.951	0.001	0.018	0.025
%RSD		351.500	70.870	8.805	23.950	14.830	25.700	82.680	30.500
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:47:48	0.100	0.715	0.521	0.018	0.352	-0.083	0.000	0.034
2	21:48:31	0.138	0.616	0.812	-0.103	0.195	-0.373	0.000	0.046
3	21:49:14	0.075	0.593	0.420	-0.088	-0.114	-0.389	0.000	0.048
X		0.104	0.641	0.584	-0.057	0.144	-0.281	0.000	0.042
σ		0.032	0.064	0.203	0.066	0.237	0.172	0.000	0.008
%RSD		30.650	10.040	34.770	115.300	164.200	61.260	0.000	18.150
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:47:48	94.536%	0.289	0.346	95.006%	-0.003	-0.006	0.089	0.051
2	21:48:31	94.788%	0.288	0.241	95.685%	-0.009	-0.006	0.062	0.055
3	21:49:14	96.257%	0.226	0.168	97.011%	0.003	-0.004	0.148	0.091
X		95.194%	0.268	0.252	95.901%	-0.003	-0.005	0.099	0.066
σ		0.930%	0.036	0.090	1.020%	0.006	0.001	0.044	0.022
%RSD		0.977	13.450	35.530	1.064	210.300	16.260	44.290	33.800
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:47:48	90.430%	1.863	0.063	0.054	0.062	0.076	87.209%	87.821%
2	21:48:31	91.654%	1.282	0.037	0.067	0.076	0.123	90.196%	90.194%
3	21:49:14	93.570%	1.266	0.042	0.024	0.030	0.071	93.241%	93.910%
X		91.885%	1.470	0.047	0.048	0.056	0.090	90.215%	90.642%
σ		1.582%	0.340	0.014	0.022	0.024	0.029	3.016%	3.069%
%RSD		1.722	23.150	29.320	46.270	42.150	31.740	3.343	3.386
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:47:48	0.004	0.008	0.038	0.018	0.027	87.824%		
2	21:48:31	0.007	0.007	0.037	0.013	0.026	89.699%		
3	21:49:14	0.013	0.007	0.027	0.034	0.028	94.103%		
X		0.008	0.007	0.034	0.022	0.027	90.542%		
σ		0.005	0.001	0.006	0.011	0.001	3.223%		
%RSD		56.480	12.310	18.160	49.900	4.429	3.560		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:52:38	87.805%	44.160	821.100	819.100	0.000	46590.000	47110.000	47010.000
2	21:53:21	87.386%	45.240	832.500	843.400	0.000	46840.000	46480.000	46800.000
3	21:54:04	86.063%	45.000	848.200	862.800	0.000	47020.000	46940.000	46580.000
x		87.085%	44.800	833.900	841.800	0.000	46820.000	46840.000	46800.000
σ		0.909%	0.566	13.630	21.900	0.000	215.400	326.600	216.600
%RSD		1.044	1.264	1.635	2.602	0.000	0.460	0.697	0.463
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:52:38	1923.000	5036.000	0.000	48890.000	49400.000	46210.000	74.607%	1035.000
2	21:53:21	1897.000	5015.000	0.000	48360.000	49030.000	46450.000	75.236%	1024.000
3	21:54:04	1896.000	4953.000	0.000	47620.000	48720.000	45730.000	74.642%	1034.000
x		1905.000	5001.000	0.000	48290.000	49050.000	46130.000	74.828%	1031.000
σ		15.170	43.260	0.000	641.600	338.200	367.400	0.353%	6.107
%RSD		0.796	0.865	0.000	1.329	0.690	0.796	0.472	0.592
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:52:38	521.600	210.500	514.000	1103.000	1256.000	539.000	546.400	279.800
2	21:53:21	520.300	205.800	513.100	1088.000	1239.000	533.400	547.500	278.000
3	21:54:04	520.800	204.700	506.600	1081.000	1198.000	531.100	537.900	275.300
x		520.900	207.000	511.200	1091.000	1231.000	534.500	543.900	277.700
σ		0.645	3.078	4.056	10.820	29.790	4.030	5.226	2.237
%RSD		0.124	1.487	0.793	0.992	2.420	0.754	0.961	0.806
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:52:38	282.400	469.000	458.400	37.330	8.725	8.488	0.000	1112.000
2	21:53:21	281.100	466.700	457.900	36.680	8.244	8.218	0.000	1109.000
3	21:54:04	277.600	461.800	462.800	37.060	8.940	8.934	0.000	1108.000
x		280.300	465.800	459.700	37.020	8.637	8.546	0.000	1109.000
σ		2.494	3.661	2.708	0.325	0.356	0.362	0.000	1.997
%RSD		0.890	0.786	0.589	0.878	4.128	4.235	0.000	0.180
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:52:38	61.300%	1129.000	1090.000	70.917%	49.190	49.580	43.340	39.390
2	21:53:21	61.751%	1120.000	1088.000	72.066%	48.830	48.780	44.360	38.850
3	21:54:04	61.896%	1118.000	1090.000	71.359%	48.270	49.280	42.520	37.940
x		61.649%	1122.000	1089.000	71.447%	48.760	49.210	43.410	38.730
σ		0.311%	5.910	1.434	0.579%	0.460	0.405	0.924	0.734
%RSD		0.504	0.526	0.132	0.811	0.943	0.823	2.130	1.896
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:52:38	66.710%	1986.000	451.300	445.100	1931.000	1908.000	73.164%	74.318%
2	21:53:21	67.413%	1991.000	447.200	445.900	1931.000	1897.000	75.196%	75.562%
3	21:54:04	67.640%	1988.000	444.300	446.400	1918.000	1898.000	75.713%	75.628%
x		67.254%	1988.000	447.600	445.800	1927.000	1901.000	74.691%	75.169%
σ		0.485%	2.889	3.513	0.659	7.588	6.146	1.348%	0.738%
%RSD		0.721	0.145	0.785	0.148	0.394	0.323	1.805	0.982
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:52:38	46.620	47.270	18.060	19.870	18.980	61.225%		
2	21:53:21	47.130	47.350	18.690	19.740	19.080	61.711%		
3	21:54:04	48.240	48.220	18.760	20.180	19.390	61.041%		
x		47.330	47.610	18.510	19.930	19.150	61.326%		
σ		0.833	0.527	0.386	0.228	0.217	0.346%		
%RSD		1.759	1.107	2.088	1.145	1.131	0.565		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:57:28	104.648%	0.899	5.099	5.784	0.000	230.000	16300.000	16370.000
2	21:58:11	104.742%	1.154	2.892	3.170	0.000	227.300	16010.000	15950.000
3	21:58:54	101.121%	1.045	4.678	2.615	0.000	228.800	16210.000	16130.000
X		103.504%	1.033	4.223	3.857	0.000	228.700	16170.000	16150.000
σ		2.064%	0.128	1.171	1.692	0.000	1.359	150.400	210.400
%RSD		1.994	12.390	27.740	43.880	0.000	0.594	0.930	1.303
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:57:28	24750.000	4184.000	0.000	1882.000	77600.000	73570.000	94.471%	1051.000
2	21:58:11	24070.000	4119.000	0.000	1871.000	77410.000	73610.000	93.005%	1087.000
3	21:58:54	24260.000	4202.000	0.000	1855.000	77630.000	72820.000	92.108%	1051.000
X		24360.000	4168.000	0.000	1869.000	77540.000	73340.000	93.195%	1063.000
σ		349.800	43.590	0.000	13.440	122.100	444.600	1.193%	20.710
%RSD		1.436	1.046	0.000	0.719	0.157	0.606	1.280	1.948
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:57:28	66.840	58.490	1263.000	40350.000	40550.000	15.820	45.610	42.010
2	21:58:11	66.690	58.300	1264.000	39770.000	40290.000	15.830	45.780	40.920
3	21:58:54	67.360	57.990	1267.000	40070.000	40290.000	15.630	43.920	41.880
X		66.960	58.260	1265.000	40060.000	40380.000	15.760	45.100	41.600
σ		0.353	0.253	2.434	288.900	150.500	0.115	1.027	0.597
%RSD		0.528	0.434	0.193	0.721	0.373	0.729	2.276	1.434
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:57:28	41.510	134.900	134.400	14.140	0.654	1.513	0.000	105.500
2	21:58:11	42.190	134.800	132.200	14.050	0.745	1.266	0.000	106.500
3	21:58:54	41.990	133.800	131.500	13.680	1.019	1.166	0.000	106.900
X		41.900	134.500	132.700	13.960	0.806	1.315	0.000	106.300
σ		0.348	0.564	1.499	0.243	0.190	0.178	0.000	0.707
%RSD		0.831	0.420	1.129	1.743	23.530	13.570	0.000	0.665
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:57:28	0.000	5.263	4.833	86.015%	0.161	0.135	1.430	1.206
2	21:58:11	0.000	5.358	5.169	86.111%	0.170	0.159	1.379	1.208
3	21:58:54	0.000	5.314	5.332	85.977%	0.174	0.165	1.332	1.343
X		0.000	5.312	5.111	86.034%	0.168	0.153	1.380	1.252
σ		0.000	0.047	0.255	0.069%	0.007	0.016	0.049	0.078
%RSD		0.000	0.892	4.987	0.080	3.948	10.160	3.545	6.260
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:57:28	84.071%	6.611	0.431	0.366	142.500	137.500	82.596%	82.744%
2	21:58:11	86.266%	5.469	0.393	0.395	140.500	136.600	85.152%	84.526%
3	21:58:54	85.438%	4.730	0.367	0.341	140.100	136.500	85.253%	84.851%
X		85.259%	5.603	0.397	0.367	141.000	136.900	84.333%	84.040%
σ		1.108%	0.948	0.032	0.027	1.288	0.557	1.506%	1.134%
%RSD		1.300	16.920	8.087	7.424	0.913	0.407	1.785	1.350
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:57:28	0.524	0.499	61.900	61.130	61.100	70.028%		
2	21:58:11	0.490	0.558	64.140	61.970	62.630	70.460%		
3	21:58:54	0.542	0.528	63.550	61.300	61.960	71.879%		
X		0.519	0.528	63.200	61.470	61.890	70.789%		
σ		0.027	0.030	1.164	0.444	0.766	0.968%		
%RSD		5.114	5.625	1.842	0.723	1.237	1.368		

240-23459-C-2-C

5/7/2013 10:01:36 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:02:19	108.189%	1.274	0.801	0.377	0.000	215.200	13370.000	13380.000
2	22:03:02	106.805%	1.389	-0.624	-0.277	0.000	215.000	13450.000	13310.000
3	22:03:45	109.761%	1.395	-2.681	-1.052	0.000	208.000	13030.000	13110.000
X		108.252%	1.353	-0.835	-0.317	0.000	212.700	13280.000	13270.000
σ		1.479%	0.068	1.750	0.716	0.000	4.108	223.100	139.200
%RSD		1.366	5.037	209.700	225.400	0.000	1.931	1.680	1.049
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:02:19	27210.000	3879.000	0.000	1893.000	53310.000	49900.000	99.106%	1031.000
2	22:03:02	27190.000	3925.000	0.000	1920.000	52950.000	50060.000	97.445%	1037.000
3	22:03:45	26660.000	3784.000	0.000	1904.000	52460.000	49900.000	98.318%	1026.000
X		27020.000	3863.000	0.000	1906.000	52910.000	49950.000	98.290%	1031.000
σ		308.100	72.200	0.000	13.500	425.200	90.840	0.831%	5.127
%RSD		1.140	1.869	0.000	0.708	0.804	0.182	0.845	0.497
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:02:19	71.070	56.430	1856.000	46830.000	46860.000	18.830	49.610	50.660
2	22:03:02	70.990	57.580	1864.000	46690.000	47090.000	18.440	51.500	49.580
3	22:03:45	71.320	56.740	1845.000	46310.000	46690.000	18.440	51.350	49.770
X		71.130	56.920	1855.000	46610.000	46880.000	18.570	50.820	50.000
σ		0.171	0.597	9.488	268.900	200.100	0.226	1.049	0.577
%RSD		0.241	1.050	0.511	0.577	0.427	1.215	2.064	1.154
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:02:19	50.900	155.000	155.800	16.740	0.993	0.882	0.000	83.260
2	22:03:02	50.500	155.000	153.900	17.490	0.920	1.433	0.000	82.470
3	22:03:45	49.740	155.800	151.600	17.500	1.219	1.082	0.000	82.840
X		50.380	155.300	153.800	17.240	1.044	1.133	0.000	82.850
σ		0.586	0.481	2.111	0.438	0.156	0.279	0.000	0.395
%RSD		1.164	0.310	1.373	2.541	14.940	24.620	0.000	0.477
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:02:19	0.000	7.678	6.932	90.689%	0.213	0.200	2.404	2.157
2	22:03:02	0.000	7.159	7.270	90.201%	0.257	0.178	2.357	2.289
3	22:03:45	0.000	7.308	6.784	89.622%	0.231	0.207	2.523	2.121
X		0.000	7.382	6.995	90.170%	0.234	0.195	2.428	2.189
σ		0.000	0.267	0.249	0.534%	0.022	0.015	0.086	0.088
%RSD		0.000	3.623	3.558	0.592	9.621	7.687	3.525	4.036
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:02:19	89.201%	4.138	0.401	0.368	168.400	167.000	86.655%	86.727%
2	22:03:02	88.575%	4.195	0.408	0.434	169.400	166.600	87.165%	87.091%
3	22:03:45	88.129%	3.990	0.398	0.484	171.700	166.800	86.922%	87.035%
X		88.635%	4.108	0.402	0.429	169.900	166.800	86.914%	86.951%
σ		0.538%	0.106	0.005	0.058	1.702	0.218	0.255%	0.196%
%RSD		0.607	2.576	1.239	13.550	1.002	0.131	0.293	0.225
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	22:02:19	0.563	0.546	105.600	102.600	103.100	73.929%		
2	22:03:02	0.483	0.506	102.500	99.950	100.300	77.087%		
3	22:03:45	0.548	0.512	106.300	102.600	103.700	74.101%		
X		0.531	0.521	104.800	101.700	102.400	75.039%		
σ		0.042	0.022	2.042	1.511	1.838	1.776%		
%RSD		7.986	4.142	1.949	1.486	1.796	2.366		

240-23459-C-3-C

5/7/2013 10:06:27 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:07:10	101.205%	1.299	2.432	1.423	0.000	317.000	45710.000	45480.000
2	22:07:53	99.499%	1.558	0.958	1.338	0.000	308.300	44930.000	44700.000
3	22:08:36	95.005%	1.384	0.401	1.010	0.000	313.000	45260.000	44990.000
X		98.570%	1.414	1.264	1.257	0.000	312.700	45300.000	45060.000
σ		3.203%	0.132	1.050	0.218	0.000	4.358	389.400	394.000
%RSD		3.249	9.330	83.060	17.350	0.000	1.394	0.860	0.875
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:07:10	25650.000	4433.000	0.000	1649.000	165400.000	166200.000	89.357%	1087.000
2	22:07:53	25500.000	4132.000	0.000	1646.000	164600.000	165900.000	85.883%	1073.000
3	22:08:36	25440.000	4198.000	0.000	1638.000	165700.000	164100.000	84.272%	1069.000
X		25530.000	4254.000	0.000	1644.000	165200.000	165400.000	86.504%	1076.000
σ		109.900	158.300	0.000	5.874	559.300	1165.000	2.599%	9.495
%RSD		0.431	3.721	0.000	0.357	0.339	0.705	3.004	0.882
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:07:10	74.450	105.600	1923.000	45670.000	46320.000	19.790	52.740	57.280
2	22:07:53	72.700	105.300	1919.000	45940.000	46290.000	19.060	53.190	55.410
3	22:08:36	71.250	104.400	1916.000	45490.000	46300.000	19.000	50.860	56.240
X		72.800	105.100	1919.000	45700.000	46300.000	19.280	52.260	56.310
σ		1.601	0.623	3.223	228.500	13.890	0.439	1.235	0.936
%RSD		2.199	0.593	0.168	0.500	0.030	2.274	2.362	1.663
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:07:10	56.650	184.000	180.800	17.060	1.048	1.734	0.000	151.500
2	22:07:53	56.480	185.500	185.500	15.720	0.931	1.378	0.000	150.800
3	22:08:36	57.100	183.300	184.000	14.880	0.808	1.133	0.000	150.900
X		56.740	184.300	183.400	15.890	0.929	1.415	0.000	151.100
σ		0.321	1.155	2.370	1.101	0.120	0.302	0.000	0.403
%RSD		0.566	0.626	1.292	6.931	12.910	21.360	0.000	0.267
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:07:10	0.000	6.371	6.295	79.128%	0.306	0.210	3.471	3.374
2	22:07:53	0.000	5.947	6.387	78.153%	0.276	0.233	3.385	3.330
3	22:08:36	0.000	6.269	6.207	77.167%	0.236	0.189	3.244	3.145
X		0.000	6.195	6.297	78.149%	0.273	0.211	3.367	3.283
σ		0.000	0.221	0.090	0.981%	0.035	0.022	0.115	0.122
%RSD		0.000	3.573	1.430	1.255	12.780	10.380	3.407	3.708
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:07:10	79.730%	3.336	0.673	0.732	168.200	165.300	78.775%	78.017%
2	22:07:53	78.503%	3.324	0.624	0.691	169.100	163.300	79.303%	78.892%
3	22:08:36	78.188%	3.175	0.676	0.699	165.500	164.600	80.085%	78.859%
X		78.807%	3.278	0.658	0.708	167.600	164.400	79.388%	78.589%
σ		0.815%	0.090	0.029	0.022	1.848	1.031	0.659%	0.496%
%RSD		1.034	2.738	4.409	3.061	1.102	0.627	0.830	0.631
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	22:07:10	0.573	0.583	120.300	119.700	119.500	64.947%		
2	22:07:53	0.579	0.591	123.100	120.600	120.900	65.576%		
3	22:08:36	0.583	0.606	124.400	122.200	121.700	65.573%		
X		0.578	0.593	122.600	120.800	120.700	65.365%		
σ		0.005	0.012	2.076	1.262	1.114	0.362%		
%RSD		0.949	1.968	1.693	1.045	0.923	0.554		

240-23459-C-4-C

5/7/2013 10:11:18 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:12:01	80.525%	2.502	38.700	39.880	0.000	980.300	97390.000	97760.000
2	22:12:43	77.994%	2.837	40.590	38.780	0.000	978.000	97680.000	98060.000
3	22:13:27	77.904%	3.054	37.980	36.740	0.000	965.400	97510.000	97130.000
X		78.808%	2.798	39.090	38.470	0.000	974.600	97530.000	97650.000
σ		1.488%	0.278	1.348	1.589	0.000	8.029	147.400	475.600
%RSD		1.888	9.933	3.447	4.131	0.000	0.824	0.151	0.487
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:12:01	52000.000	4954.000	0.000	11240.000	492800.000	490900.000	70.872%	1242.000
2	22:12:43	51100.000	4941.000	0.000	11070.000	485300.000	489900.000	68.789%	1262.000
3	22:13:27	50550.000	5168.000	0.000	11180.000	492700.000	486800.000	67.261%	1258.000
X		51220.000	5021.000	0.000	11160.000	490300.000	489200.000	68.974%	1254.000
σ		727.700	127.700	0.000	84.260	4290.000	2147.000	1.812%	10.340
%RSD		1.421	2.543	0.000	0.755	0.875	0.439	2.627	0.824
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:12:01	137.600	101.200	2768.000	120200.000	123000.000	61.900	158.400	128.000
2	22:12:43	136.000	101.700	2740.000	120200.000	123200.000	61.880	159.900	126.700
3	22:13:27	137.100	101.300	2785.000	120400.000	122600.000	62.780	162.300	126.700
X		136.900	101.400	2764.000	120300.000	123000.000	62.190	160.200	127.100
σ		0.768	0.292	23.020	80.170	294.900	0.514	1.993	0.750
%RSD		0.561	0.288	0.833	0.067	0.240	0.826	1.244	0.590
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:12:01	126.300	312.000	315.900	43.550	1.187	1.570	0.000	667.500
2	22:12:43	128.200	315.300	315.900	44.690	1.167	1.522	0.000	670.900
3	22:13:27	130.700	320.300	323.200	43.590	1.175	1.517	0.000	671.800
X		128.400	315.800	318.300	43.940	1.177	1.536	0.000	670.100
σ		2.182	4.205	4.209	0.650	0.010	0.029	0.000	2.251
%RSD		1.699	1.331	1.322	1.479	0.891	1.898	0.000	0.336
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:12:01	0.000	26.230	26.510	61.241%	0.374	0.254	1.864	1.916
2	22:12:43	0.000	25.770	27.470	60.249%	0.364	0.225	2.327	2.101
3	22:13:27	0.000	25.670	26.070	59.425%	0.380	0.227	2.547	2.005
X		0.000	25.890	26.680	60.305%	0.373	0.235	2.246	2.007
σ		0.000	0.302	0.719	0.910%	0.008	0.017	0.349	0.093
%RSD		0.000	1.167	2.696	1.508	2.199	7.098	15.530	4.615
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:12:01	65.846%	2.085	0.300	0.312	408.400	405.700	68.123%	67.447%
2	22:12:43	64.562%	1.984	0.252	0.222	414.500	407.700	67.893%	67.452%
3	22:13:27	64.344%	1.851	0.273	0.215	418.000	408.300	66.800%	66.523%
X		64.917%	1.973	0.275	0.250	413.600	407.200	67.605%	67.140%
σ		0.812%	0.118	0.024	0.054	4.853	1.356	0.707%	0.535%
%RSD		1.250	5.959	8.799	21.580	1.173	0.333	1.045	0.797
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	22:12:01	2.221	2.252	92.200	87.970	89.570	53.411%		
2	22:12:43	2.262	2.202	91.660	88.140	89.950	53.753%		
3	22:13:27	2.342	2.222	92.390	89.550	90.780	53.044%		
X		2.275	2.225	92.080	88.550	90.100	53.403%		
σ		0.062	0.025	0.380	0.867	0.620	0.355%		
%RSD		2.704	1.128	0.413	0.979	0.688	0.664		

240-23459-C-5-C

5/7/2013 10:16:09 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:16:52	76.097%	3.724	65.160	64.230	0.000	1263.000	124100.000	124000.000
2	22:17:35	75.089%	3.457	65.150	63.180	0.000	1242.000	122800.000	123300.000
3	22:18:18	71.984%	3.079	67.360	65.700	0.000	1227.000	122800.000	124100.000
X		74.390%	3.420	65.890	64.370	0.000	1244.000	123200.000	123800.000
σ		2.144%	0.324	1.269	1.264	0.000	18.130	719.000	413.200
%RSD		2.881	9.483	1.926	1.964	0.000	1.457	0.584	0.334
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:16:52	64470.000	5254.000	0.000	15150.000	561200.000	550100.000	65.418%	1221.000
2	22:17:35	62440.000	5432.000	0.000	15020.000	560400.000	556600.000	63.003%	1213.000
3	22:18:18	63200.000	5637.000	0.000	15130.000	560500.000	550400.000	62.632%	1202.000
X		63370.000	5441.000	0.000	15100.000	560700.000	552400.000	63.684%	1212.000
σ		1024.000	191.600	0.000	72.960	407.200	3634.000	1.513%	9.564
%RSD		1.615	3.521	0.000	0.483	0.073	0.658	2.375	0.789
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:16:52	173.400	127.300	3097.000	149900.000	154400.000	77.440	215.500	147.300
2	22:17:35	174.000	128.000	3125.000	150100.000	154500.000	76.060	213.100	148.800
3	22:18:18	173.800	127.700	3138.000	149800.000	153300.000	76.760	206.100	144.800
X		173.700	127.700	3120.000	149900.000	154100.000	76.750	211.500	147.000
σ		0.315	0.339	21.000	154.800	646.100	0.693	4.887	1.998
%RSD		0.181	0.265	0.673	0.103	0.419	0.903	2.310	1.359
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:16:52	147.700	341.800	344.100	45.830	2.209	2.705	0.000	848.000
2	22:17:35	151.000	349.300	351.100	46.910	1.781	2.099	0.000	860.000
3	22:18:18	147.700	343.200	348.500	46.040	2.044	1.939	0.000	851.600
X		148.800	344.800	347.900	46.260	2.011	2.248	0.000	853.200
σ		1.904	4.001	3.561	0.569	0.216	0.404	0.000	6.149
%RSD		1.279	1.161	1.024	1.230	10.720	17.960	0.000	0.721
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:16:52	0.000	44.270	44.250	55.693%	0.433	0.315	2.886	2.576
2	22:17:35	0.000	45.490	45.420	54.877%	0.475	0.302	2.468	2.089
3	22:18:18	0.000	45.380	45.250	55.127%	0.425	0.362	2.756	2.332
X		0.000	45.050	44.980	55.232%	0.445	0.327	2.703	2.332
σ		0.000	0.675	0.631	0.418%	0.027	0.032	0.214	0.243
%RSD		0.000	1.498	1.402	0.756	6.028	9.697	7.910	10.440
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:16:52	60.144%	1.549	0.286	0.189	545.800	543.100	63.168%	62.417%
2	22:17:35	60.927%	1.368	0.265	0.216	542.900	536.100	64.027%	63.115%
3	22:18:18	60.215%	1.361	0.282	0.295	545.600	541.900	63.874%	63.408%
X		60.429%	1.426	0.278	0.233	544.800	540.400	63.690%	62.980%
σ		0.433%	0.106	0.011	0.055	1.654	3.741	0.459%	0.509%
%RSD		0.716	7.463	3.969	23.640	0.304	0.692	0.720	0.809
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	22:16:52	3.394	3.288	81.170	76.690	78.710	47.823%		
2	22:17:35	3.435	3.272	82.320	77.180	78.700	48.955%		
3	22:18:18	3.254	3.376	82.240	77.030	79.390	49.120%		
X		3.361	3.312	81.910	76.970	78.930	48.633%		
σ		0.095	0.057	0.644	0.248	0.394	0.706%		
%RSD		2.827	1.706	0.786	0.322	0.499	1.452		

240-23459-C-6-A

5/7/2013 10:21:01 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:21:44	78.575%	2.362	42.600	42.680	0.000	930.900	116400.000	117000.000
2	22:22:27	78.334%	2.835	43.580	41.120	0.000	938.500	116800.000	117000.000
3	22:23:10	77.650%	2.617	43.650	42.270	0.000	942.900	117400.000	116800.000
X		78.186%	2.605	43.280	42.020	0.000	937.400	116900.000	116900.000
σ		0.480%	0.237	0.587	0.812	0.000	6.079	510.500	85.360
%RSD		0.613	9.083	1.357	1.931	0.000	0.648	0.437	0.073
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:21:44	48250.000	5406.000	0.000	11080.000	530100.000	528000.000	67.860%	1234.000
2	22:22:27	47860.000	5193.000	0.000	11130.000	534400.000	538000.000	66.232%	1243.000
3	22:23:10	48030.000	5026.000	0.000	11040.000	532300.000	530700.000	66.608%	1241.000
X		48050.000	5208.000	0.000	11090.000	532300.000	532200.000	66.900%	1239.000
σ		193.900	190.500	0.000	45.970	2122.000	5187.000	0.852%	4.470
%RSD		0.403	3.657	0.000	0.415	0.399	0.975	1.274	0.361
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:21:44	135.400	96.520	2700.000	116400.000	119400.000	57.460	154.300	125.200
2	22:22:27	137.200	97.300	2716.000	117300.000	118900.000	58.070	156.800	126.300
3	22:23:10	136.900	97.740	2710.000	116800.000	119100.000	58.900	152.600	126.200
X		136.500	97.190	2709.000	116800.000	119100.000	58.140	154.600	125.900
σ		0.971	0.614	8.057	469.400	230.700	0.720	2.111	0.606
%RSD		0.712	0.632	0.297	0.402	0.194	1.238	1.366	0.481
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:21:44	123.800	311.800	313.800	37.920	1.873	3.213	0.000	705.200
2	22:22:27	126.400	317.000	315.200	38.130	1.180	2.520	0.000	703.400
3	22:23:10	129.600	318.200	316.100	37.600	1.683	2.420	0.000	715.100
X		126.600	315.700	315.000	37.880	1.579	2.718	0.000	707.900
σ		2.872	3.416	1.166	0.267	0.358	0.432	0.000	6.290
%RSD		2.269	1.082	0.370	0.705	22.670	15.890	0.000	0.888
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:21:44	0.000	29.150	28.890	58.890%	0.387	0.240	2.525	2.170
2	22:22:27	0.000	29.540	29.650	58.438%	0.374	0.254	2.709	2.165
3	22:23:10	0.000	29.260	30.580	57.705%	0.391	0.310	2.593	2.157
X		0.000	29.320	29.700	58.344%	0.384	0.268	2.609	2.164
σ		0.000	0.200	0.846	0.598%	0.009	0.037	0.093	0.007
%RSD		0.000	0.682	2.848	1.025	2.245	13.790	3.567	0.301
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:21:44	63.162%	2.093	0.249	0.305	398.600	394.100	65.962%	65.459%
2	22:22:27	63.262%	1.965	0.267	0.263	403.200	396.200	66.789%	66.256%
3	22:23:10	63.077%	1.904	0.340	0.346	398.800	395.500	66.387%	66.559%
X		63.167%	1.987	0.285	0.305	400.200	395.300	66.380%	66.092%
σ		0.093%	0.096	0.048	0.041	2.587	1.100	0.413%	0.568%
%RSD		0.147	4.842	16.860	13.530	0.647	0.278	0.623	0.860
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	22:21:44	2.315	2.371	64.820	60.700	62.360	51.450%		
2	22:22:27	2.343	2.307	64.400	60.240	62.050	52.062%		
3	22:23:10	2.426	2.330	63.400	60.980	62.010	51.681%		
X		2.361	2.336	64.200	60.640	62.140	51.731%		
σ		0.058	0.032	0.725	0.373	0.191	0.309%		
%RSD		2.444	1.387	1.130	0.615	0.306	0.597		

240-23459-C-7-A

5/7/2013 10:25:53 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:26:36	79.383%	2.357	67.210	63.450	0.000	1204.000	417500.000	417300.000
2	22:27:19	76.983%	2.220	65.660	64.830	0.000	1232.000	415600.000	416800.000
3	22:28:02	74.563%	2.426	66.870	67.970	0.000	1247.000	422200.000	422100.000
X		76.976%	2.334	66.580	65.420	0.000	1228.000	418500.000	418700.000
σ		2.410%	0.105	0.814	2.318	0.000	21.610	3419.000	2934.000
%RSD		3.131	4.493	1.223	3.543	0.000	1.760	0.817	0.701
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:26:36	46800.000	5026.000	0.000	11630.000	1010000.000	1001000.000	71.953%	980.700
2	22:27:19	45970.000	5078.000	0.000	11480.000	1007000.000	999800.000	70.153%	987.100
3	22:28:02	46700.000	5013.000	0.000	11700.000	1020000.000	1010000.000	70.102%	983.500
X		46490.000	5039.000	0.000	11600.000	1012000.000	1004000.000	70.736%	983.800
σ		449.800	34.450	0.000	111.200	6849.000	5749.000	1.055%	3.203
%RSD		0.968	0.684	0.000	0.959	0.677	0.573	1.491	0.326
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:26:36	137.800	97.360	2417.000	108400.000	113100.000	55.120	148.500	122.500
2	22:27:19	135.300	97.880	2455.000	108400.000	112800.000	55.270	144.600	118.100
3	22:28:02	138.800	97.320	2443.000	109100.000	113000.000	55.960	146.800	120.000
X		137.300	97.520	2438.000	108600.000	113000.000	55.450	146.700	120.200
σ		1.819	0.314	19.720	389.500	161.700	0.450	1.964	2.211
%RSD		1.325	0.322	0.809	0.358	0.143	0.811	1.339	1.839
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:26:36	123.500	226.100	230.200	32.610	1.829	2.771	0.000	876.100
2	22:27:19	122.000	227.300	232.700	32.880	1.615	3.353	0.000	876.300
3	22:28:02	122.500	229.000	232.800	32.180	2.291	2.064	0.000	889.200
X		122.700	227.500	231.900	32.560	1.912	2.729	0.000	880.600
σ		0.748	1.479	1.448	0.355	0.346	0.645	0.000	7.488
%RSD		0.609	0.650	0.624	1.090	18.090	23.650	0.000	0.850
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:26:36	0.000	35.190	35.680	57.443%	0.960	0.723	2.309	2.049
2	22:27:19	0.000	34.920	35.900	58.378%	0.950	0.724	2.535	1.839
3	22:28:02	0.000	36.050	34.900	57.600%	0.884	0.773	2.332	1.989
X		0.000	35.390	35.490	57.807%	0.931	0.740	2.392	1.959
σ		0.000	0.587	0.527	0.501%	0.042	0.028	0.124	0.108
%RSD		0.000	1.660	1.485	0.866	4.459	3.837	5.181	5.526
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:26:36	63.373%	1.874	0.248	0.251	416.600	411.000	66.989%	65.600%
2	22:27:19	64.947%	1.987	0.216	0.281	421.600	409.000	67.629%	66.737%
3	22:28:02	64.397%	1.942	0.227	0.262	416.500	413.000	68.811%	67.580%
X		64.239%	1.934	0.230	0.264	418.200	411.000	67.809%	66.639%
σ		0.799%	0.057	0.016	0.015	2.944	2.002	0.924%	0.994%
%RSD		1.243	2.942	6.920	5.696	0.704	0.487	1.363	1.491
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	22:26:36	2.583	2.487	63.490	59.680	61.630	47.916%		
2	22:27:19	2.484	2.505	64.210	60.270	62.030	49.501%		
3	22:28:02	2.386	2.378	63.890	60.090	61.490	50.198%		
X		2.484	2.457	63.870	60.010	61.720	49.205%		
σ		0.099	0.068	0.360	0.301	0.282	1.169%		
%RSD		3.965	2.787	0.564	0.502	0.457	2.377		

240-23459-C-8-C

5/7/2013 10:30:44 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:31:27	81.553%	2.442	30.590	29.710	0.000	837.700	95130.000	94500.000
2	22:32:10	81.435%	2.610	27.860	29.180	0.000	810.600	93110.000	93580.000
3	22:32:53	80.279%	2.602	28.860	30.030	0.000	820.700	92940.000	93390.000
X		81.089%	2.552	29.100	29.640	0.000	823.000	93720.000	93820.000
σ		0.704%	0.095	1.381	0.433	0.000	13.690	1218.000	593.200
%RSD		0.868	3.730	4.744	1.460	0.000	1.664	1.299	0.632
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:31:27	49690.000	4675.000	0.000	9420.000	387000.000	387100.000	71.943%	1657.000
2	22:32:10	48590.000	4658.000	0.000	9408.000	395100.000	393500.000	69.251%	1655.000
3	22:32:53	48940.000	4666.000	0.000	9384.000	388800.000	385100.000	68.992%	1659.000
X		49070.000	4667.000	0.000	9404.000	390300.000	388600.000	70.062%	1657.000
σ		561.900	8.336	0.000	18.330	4262.000	4425.000	1.634%	2.279
%RSD		1.145	0.179	0.000	0.195	1.092	1.139	2.332	0.138
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:31:27	133.200	98.230	2406.000	107500.000	109100.000	51.460	146.400	115.900
2	22:32:10	136.500	96.580	2416.000	108100.000	109500.000	50.890	145.400	116.200
3	22:32:53	135.100	96.450	2398.000	107200.000	108400.000	50.650	142.300	115.400
X		134.900	97.090	2406.000	107600.000	109000.000	51.000	144.700	115.800
σ		1.648	0.988	8.935	465.600	546.100	0.417	2.134	0.396
%RSD		1.221	1.017	0.371	0.433	0.501	0.818	1.475	0.342
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:31:27	119.100	304.200	304.300	34.770	1.873	3.113	0.000	546.400
2	22:32:10	118.000	308.900	309.400	35.310	2.066	2.787	0.000	549.500
3	22:32:53	116.300	304.000	301.600	34.630	2.416	1.732	0.000	540.000
X		117.800	305.700	305.100	34.900	2.118	2.544	0.000	545.300
σ		1.406	2.794	3.957	0.362	0.276	0.722	0.000	4.812
%RSD		1.194	0.914	1.297	1.039	13.010	28.380	0.000	0.882
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:31:27	0.000	21.000	20.800	62.017%	0.349	0.286	3.000	2.521
2	22:32:10	0.000	20.110	20.970	60.861%	0.407	0.270	2.344	2.244
3	22:32:53	0.000	20.050	20.480	60.168%	0.327	0.316	2.417	1.945
X		0.000	20.380	20.750	61.015%	0.361	0.291	2.587	2.237
σ		0.000	0.534	0.253	0.934%	0.041	0.023	0.359	0.288
%RSD		0.000	2.622	1.218	1.531	11.490	7.981	13.890	12.890
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:31:27	65.960%	2.414	0.319	0.359	372.000	365.700	67.275%	67.127%
2	22:32:10	64.467%	2.468	0.355	0.351	376.800	369.500	66.993%	66.362%
3	22:32:53	63.747%	2.428	0.378	0.386	370.800	368.000	67.197%	66.191%
X		64.725%	2.437	0.351	0.365	373.200	367.700	67.155%	66.560%
σ		1.129%	0.028	0.030	0.019	3.162	1.913	0.146%	0.499%
%RSD		1.744	1.148	8.423	5.073	0.847	0.520	0.217	0.749
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	22:31:27	2.048	2.093	107.100	102.200	103.800	53.210%		
2	22:32:10	2.086	2.098	108.800	103.600	105.100	52.679%		
3	22:32:53	2.136	2.100	106.500	101.500	103.300	53.096%		
X		2.090	2.097	107.500	102.400	104.000	52.995%		
σ		0.044	0.004	1.195	1.053	0.924	0.280%		
%RSD		2.117	0.183	1.112	1.028	0.888	0.528		

CCV 801624 5/7/2013 10:35:33 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:36:16	86.930%	106.700	86.070	86.980	0.000	48930.000	49690.000	49580.000
2	22:36:59	90.153%	102.300	77.260	82.090	0.000	47850.000	48820.000	48980.000
3	22:37:42	87.902%	105.100	80.200	82.770	0.000	47690.000	48330.000	48490.000
x		88.328%	104.717%	81.178%	83.943%	0.000	96.316%	97.894%	98.032%
σ		1.653%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.872	2.133	5.527	3.156	0.000	1.401	1.414	1.112
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:36:16	572.600	5269.000	0.000	49350.000	49620.000	47880.000	76.452%	108.500
2	22:36:59	585.800	5182.000	0.000	48930.000	48950.000	47610.000	77.641%	108.400
3	22:37:42	553.900	5155.000	0.000	49030.000	49670.000	46680.000	78.436%	104.500
x		114.151%	104.034%	0.000	98.204%	98.825%	94.780%	77.509%	107.115%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.998%	n/a
%RSD		2.806	1.144	0.000	0.447	0.815	1.328	1.288	2.131
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:36:16	103.600	103.500	507.100	25760.000	25910.000	107.000	111.300	111.200
2	22:36:59	99.760	101.000	498.000	25370.000	25300.000	104.600	105.800	108.700
3	22:37:42	100.800	101.700	498.300	25350.000	25460.000	103.100	106.300	109.600
x		101.388%	102.101%	100.229%	101.961%	102.233%	104.903%	107.827%	109.875%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.982	1.276	1.021	0.909	1.232	1.852	2.808	1.149
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:36:16	111.000	107.000	105.100	104.600	104.900	101.900	0.000	100.300
2	22:36:59	108.700	103.000	103.700	101.800	103.400	105.900	0.000	98.430
3	22:37:42	107.700	104.500	106.200	102.900	103.900	103.900	0.000	98.460
x		109.139%	104.819%	105.021%	103.095%	104.070%	103.894%	0.000	99.057%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.568	1.961	1.202	1.354	0.746	1.911	0.000	1.073
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:36:16	71.888%	105.700	106.900	67.847%	104.400	105.100	100.500	101.400
2	22:36:59	73.968%	108.200	108.100	69.738%	102.900	103.300	98.030	100.100
3	22:37:42	75.568%	109.900	108.800	71.228%	103.800	104.200	99.670	101.200
x		73.808%	107.905%	107.919%	69.604%	103.722%	104.202%	99.392%	100.916%
σ		1.845%	n/a	n/a	1.694%	n/a	n/a	n/a	n/a
%RSD		2.500	1.961	0.915	2.434	0.726	0.904	1.252	0.730
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:36:16	68.287%	102.200	99.210	99.620	104.000	99.870	68.825%	69.086%
2	22:36:59	70.056%	101.600	98.350	100.100	100.400	98.860	72.378%	72.489%
3	22:37:42	71.797%	101.800	98.880	100.900	99.860	97.040	73.807%	74.846%
x		70.047%	101.878%	98.816%	100.201%	101.410%	98.589%	71.670%	72.140%
σ		1.755%	n/a	n/a	n/a	n/a	n/a	2.565%	2.896%
%RSD		2.505	0.304	0.439	0.663	2.236	1.454	3.580	4.014
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	22:36:16	101.500	101.100	102.500	102.300	102.300	59.253%		
2	22:36:59	100.300	99.540	99.830	100.100	100.500	61.591%		
3	22:37:42	99.880	100.100	100.600	100.400	100.800	63.222%		
x		100.558%	100.248%	100.967%	100.924%	101.218%	61.355%		
σ		n/a	n/a	n/a	n/a	n/a	1.995%		
%RSD		0.813	0.777	1.370	1.149	0.973	3.252		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:44:31	115.268%	0.021	-13.020	-12.850	0.000	14.050	36.280	35.010
2	22:45:14	109.978%	0.065	-13.340	-13.420	0.000	16.290	37.860	38.280
3	22:45:57	109.120%	0.034	-13.080	-13.680	0.000	15.720	37.610	36.530
X		111.455%	0.040	-13.150	-13.310	0.000	15.360	37.250	36.600
σ		3.330%	0.023	0.174	0.425	0.000	1.162	0.850	1.637
%RSD		2.987	56.620	1.321	3.195	0.000	7.567	2.281	4.471
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:44:31	6.980	3.952	0.000	4.859	39.420	68.840	105.438%	0.077
2	22:45:14	8.115	3.332	0.000	5.796	57.490	75.090	103.249%	0.294
3	22:45:57	8.367	2.703	0.000	5.267	35.940	70.210	102.304%	-0.089
X		7.821	3.329	0.000	5.307	44.280	71.380	103.664%	0.094
σ		0.739	0.625	0.000	0.470	11.570	3.288	1.608%	0.192
%RSD		9.449	18.760	0.000	8.857	26.120	4.606	1.551	204.100
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:44:31	0.072	0.027	0.535	31.110	23.420	0.045	0.114	0.066
2	22:45:14	0.064	0.034	0.623	31.640	26.130	0.036	0.072	0.086
3	22:45:57	0.107	0.099	0.631	32.200	21.410	0.046	0.127	0.088
X		0.081	0.053	0.596	31.650	23.650	0.042	0.105	0.080
σ		0.023	0.039	0.054	0.544	2.368	0.006	0.029	0.012
%RSD		28.560	73.960	8.977	1.720	10.010	13.730	27.330	15.330
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:44:31	0.127	0.166	0.132	-0.051	0.118	-0.142	0.000	0.098
2	22:45:14	0.152	0.194	0.261	0.066	0.069	0.472	0.000	0.103
3	22:45:57	0.065	0.229	0.256	0.137	0.156	0.201	0.000	0.117
X		0.115	0.196	0.217	0.051	0.114	0.177	0.000	0.106
σ		0.045	0.031	0.073	0.095	0.044	0.308	0.000	0.010
%RSD		39.320	15.970	33.680	186.200	38.360	174.200	0.000	9.220
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:44:31	98.875%	0.499	0.441	100.119%	0.039	0.023	0.200	0.132
2	22:45:14	97.803%	0.424	0.447	99.519%	0.033	0.036	0.105	0.066
3	22:45:57	96.915%	0.468	0.435	98.469%	0.025	0.033	0.121	0.113
X		97.864%	0.464	0.441	99.369%	0.032	0.030	0.142	0.104
σ		0.981%	0.037	0.006	0.835%	0.008	0.007	0.051	0.034
%RSD		1.003	8.065	1.429	0.841	23.120	21.960	35.760	32.880
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:44:31	93.454%	0.278	0.087	0.061	0.085	0.114	88.256%	88.428%
2	22:45:14	94.150%	0.235	0.084	0.090	0.049	0.083	89.963%	89.627%
3	22:45:57	94.001%	0.238	0.086	0.127	0.014	0.132	89.181%	89.693%
X		93.868%	0.250	0.086	0.093	0.049	0.109	89.133%	89.250%
σ		0.366%	0.024	0.002	0.033	0.035	0.025	0.855%	0.712%
%RSD		0.390	9.606	1.963	35.860	71.470	22.870	0.959	0.798
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	22:44:31	0.037	0.037	0.060	0.032	0.057	88.488%		
2	22:45:14	0.030	0.031	0.062	0.058	0.060	91.803%		
3	22:45:57	0.032	0.030	0.058	0.051	0.067	89.815%		
X		0.033	0.033	0.060	0.047	0.061	90.035%		
σ		0.004	0.004	0.002	0.013	0.005	1.668%		
%RSD		10.680	12.400	3.545	28.600	7.974	1.853		

240-23459-C-9-C

5/7/2013 10:48:39 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:49:22	80.497%	3.386	44.220	44.060	0.000	1089.000	136100.000	135600.000
2	22:50:05	76.688%	3.342	41.070	42.220	0.000	1086.000	134900.000	135100.000
3	22:50:48	75.775%	3.383	44.970	43.980	0.000	1098.000	134700.000	134900.000
X		77.653%	3.370	43.420	43.420	0.000	1091.000	135200.000	135200.000
σ		2.505%	0.024	2.065	1.039	0.000	5.972	756.500	360.000
%RSD		3.225	0.721	4.756	2.393	0.000	0.547	0.559	0.266
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:49:22	61780.000	5755.000	0.000	13220.000	544800.000	539300.000	70.021%	1464.000
2	22:50:05	60860.000	5587.000	0.000	13100.000	540800.000	541400.000	66.900%	1450.000
3	22:50:48	60920.000	5261.000	0.000	13110.000	540200.000	538900.000	66.191%	1433.000
X		61190.000	5534.000	0.000	13140.000	541900.000	539800.000	67.704%	1449.000
σ		511.800	250.900	0.000	70.030	2500.000	1365.000	2.038%	15.540
%RSD		0.837	4.534	0.000	0.533	0.461	0.253	3.010	1.072
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:49:22	166.400	122.800	3286.000	141600.000	145000.000	72.160	195.200	150.000
2	22:50:05	167.300	122.600	3320.000	142800.000	145200.000	71.560	193.800	149.200
3	22:50:48	161.300	120.500	3267.000	139500.000	143000.000	70.520	192.300	146.800
X		165.000	122.000	3291.000	141300.000	144400.000	71.420	193.800	148.700
σ		3.278	1.288	26.790	1653.000	1233.000	0.828	1.484	1.681
%RSD		1.986	1.055	0.814	1.170	0.854	1.160	0.766	1.131
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:49:22	149.300	364.900	366.800	42.680	1.849	2.769	0.000	726.100
2	22:50:05	152.000	366.000	365.500	41.310	2.069	2.529	0.000	730.000
3	22:50:48	146.300	363.700	358.700	42.650	1.806	2.990	0.000	728.200
X		149.200	364.900	363.600	42.210	1.908	2.763	0.000	728.100
σ		2.830	1.196	4.331	0.784	0.141	0.231	0.000	1.928
%RSD		1.897	0.328	1.191	1.859	7.406	8.361	0.000	0.265
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:49:22	0.000	22.460	22.710	59.459%	0.474	0.345	2.667	2.408
2	22:50:05	0.000	22.820	23.440	58.041%	0.441	0.390	2.653	2.233
3	22:50:48	0.000	22.660	22.410	57.611%	0.406	0.366	2.657	2.307
X		0.000	22.650	22.850	58.370%	0.440	0.367	2.659	2.316
σ		0.000	0.183	0.530	0.967%	0.034	0.023	0.007	0.088
%RSD		0.000	0.806	2.320	1.656	7.735	6.145	0.260	3.789
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:49:22	63.058%	1.654	0.322	0.417	481.200	475.300	64.801%	64.447%
2	22:50:05	62.346%	1.671	0.390	0.350	479.100	469.900	65.614%	64.859%
3	22:50:48	62.182%	1.704	0.342	0.360	474.100	466.900	65.093%	65.429%
X		62.528%	1.676	0.351	0.376	478.100	470.700	65.170%	64.911%
σ		0.466%	0.026	0.035	0.036	3.656	4.219	0.412%	0.493%
%RSD		0.745	1.532	10.030	9.631	0.765	0.896	0.632	0.760
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	22:49:22	2.797	2.807	99.980	96.260	97.630	51.010%		
2	22:50:05	2.889	2.913	101.400	98.730	99.130	50.709%		
3	22:50:48	2.739	2.867	101.600	97.490	99.120	50.831%		
X		2.809	2.863	101.000	97.490	98.630	50.850%		
σ		0.076	0.053	0.891	1.234	0.863	0.151%		
%RSD		2.693	1.854	0.882	1.266	0.875	0.298		

240-23459-C-10-C 5/7/2013 10:53:29 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:54:12	82.291%	2.377	29.900	31.520	0.000	854.400	104000.000	103400.000
2	22:54:55	80.933%	2.546	28.330	30.390	0.000	849.900	102600.000	103100.000
3	22:55:38	79.724%	2.762	29.730	30.820	0.000	837.400	102200.000	102700.000
X		80.983%	2.561	29.320	30.910	0.000	847.200	102900.000	103100.000
σ		1.284%	0.193	0.865	0.570	0.000	8.831	943.000	346.000
%RSD		1.585	7.530	2.951	1.844	0.000	1.042	0.916	0.336
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:54:12	50250.000	4710.000	0.000	9338.000	439100.000	444500.000	68.147%	1163.000
2	22:54:55	49880.000	4753.000	0.000	9330.000	440900.000	437900.000	67.160%	1141.000
3	22:55:38	49030.000	4726.000	0.000	9309.000	443100.000	437800.000	65.907%	1161.000
X		49720.000	4730.000	0.000	9326.000	441000.000	440100.000	67.072%	1155.000
σ		626.800	21.960	0.000	15.100	2012.000	3816.000	1.123%	12.120
%RSD		1.261	0.464	0.000	0.162	0.456	0.867	1.674	1.049
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:54:12	140.600	115.900	3648.000	124600.000	127700.000	56.620	158.500	116.200
2	22:54:55	140.000	116.200	3623.000	123200.000	126800.000	56.600	158.800	113.400
3	22:55:38	142.500	117.100	3672.000	125300.000	127400.000	56.010	150.200	113.200
X		141.000	116.400	3648.000	124400.000	127300.000	56.410	155.800	114.200
σ		1.301	0.609	24.490	1062.000	467.000	0.348	4.871	1.682
%RSD		0.923	0.523	0.671	0.854	0.367	0.618	3.126	1.473
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:54:12	117.100	287.200	283.800	51.010	1.461	2.615	0.000	533.200
2	22:54:55	111.800	286.200	281.500	49.820	1.452	2.363	0.000	535.700
3	22:55:38	116.800	283.600	285.200	48.580	1.351	1.297	0.000	536.400
X		115.300	285.700	283.500	49.800	1.421	2.092	0.000	535.100
σ		2.977	1.867	1.900	1.214	0.061	0.700	0.000	1.678
%RSD		2.583	0.653	0.670	2.438	4.299	33.460	0.000	0.314
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:54:12	0.000	24.260	25.710	57.783%	0.389	0.241	2.797	2.322
2	22:54:55	0.000	25.010	25.870	57.285%	0.270	0.256	2.585	2.178
3	22:55:38	0.000	25.680	25.360	56.842%	0.312	0.199	2.502	2.309
X		0.000	24.980	25.650	57.303%	0.324	0.232	2.628	2.270
σ		0.000	0.710	0.259	0.471%	0.061	0.030	0.152	0.080
%RSD		0.000	2.842	1.009	0.821	18.730	12.840	5.788	3.512
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:54:12	61.163%	1.972	0.295	0.334	372.500	364.400	62.818%	61.882%
2	22:54:55	60.749%	2.080	0.406	0.395	372.900	364.600	62.762%	62.532%
3	22:55:38	61.118%	1.937	0.316	0.414	367.700	360.600	62.865%	62.567%
X		61.010%	1.996	0.339	0.381	371.000	363.200	62.815%	62.327%
σ		0.227%	0.075	0.059	0.042	2.885	2.264	0.052%	0.386%
%RSD		0.372	3.742	17.300	11.030	0.777	0.624	0.082	0.619
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	22:54:12	2.148	2.125	90.850	86.920	87.680	48.083%		
2	22:54:55	2.014	2.026	89.110	84.920	86.840	48.959%		
3	22:55:38	2.002	2.014	88.540	84.590	86.190	49.300%		
X		2.055	2.055	89.500	85.480	86.900	48.781%		
σ		0.081	0.061	1.200	1.262	0.742	0.628%		
%RSD		3.953	2.972	1.341	1.476	0.854	1.287		

240-23459-C-11-A 5/7/2013 10:58:19 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:59:02	77.674%	2.586	39.480	40.270	0.000	935.500	81830.000	82530.000
2	22:59:45	73.206%	2.709	41.250	38.230	0.000	931.100	82520.000	82200.000
3	23:00:28	71.901%	2.901	39.780	39.130	0.000	943.900	81810.000	83000.000
X		74.260%	2.732	40.170	39.210	0.000	936.800	82050.000	82580.000
σ		3.028%	0.159	0.948	1.021	0.000	6.483	404.400	401.900
%RSD		4.077	5.803	2.359	2.603	0.000	0.692	0.493	0.487
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:59:02	52310.000	5047.000	0.000	10350.000	372900.000	366700.000	66.568%	1348.000
2	22:59:45	52490.000	5224.000	0.000	10330.000	367800.000	363700.000	63.839%	1299.000
3	23:00:28	52400.000	5193.000	0.000	10400.000	372600.000	366800.000	63.539%	1299.000
X		52400.000	5155.000	0.000	10360.000	371100.000	365700.000	64.649%	1316.000
σ		85.770	94.550	0.000	36.100	2868.000	1766.000	1.669%	28.360
%RSD		0.164	1.834	0.000	0.348	0.773	0.483	2.581	2.156
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:59:02	148.900	100.500	2499.000	116400.000	118400.000	56.410	149.600	113.000
2	22:59:45	145.700	99.890	2532.000	115900.000	117700.000	56.160	146.300	109.800
3	23:00:28	142.800	99.600	2487.000	116400.000	118000.000	55.890	147.300	110.600
X		145.800	100.000	2506.000	116200.000	118100.000	56.150	147.700	111.200
σ		3.034	0.460	23.290	277.200	349.100	0.262	1.657	1.672
%RSD		2.081	0.460	0.929	0.238	0.296	0.467	1.122	1.504
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:59:02	114.100	306.400	304.100	38.080	1.581	1.561	0.000	564.900
2	22:59:45	113.700	301.900	299.000	37.770	1.718	2.368	0.000	571.000
3	23:00:28	110.700	304.800	303.600	37.600	1.674	2.633	0.000	570.300
X		112.800	304.300	302.300	37.820	1.658	2.187	0.000	568.700
σ		1.819	2.287	2.797	0.242	0.070	0.558	0.000	3.361
%RSD		1.612	0.751	0.925	0.640	4.213	25.520	0.000	0.591
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:59:02	0.000	30.010	31.110	57.512%	0.315	0.248	2.900	2.477
2	22:59:45	0.000	29.950	30.900	56.354%	0.327	0.208	2.866	2.407
3	23:00:28	0.000	29.920	31.270	56.011%	0.290	0.244	2.790	2.064
X		0.000	29.960	31.090	56.626%	0.311	0.233	2.852	2.316
σ		0.000	0.043	0.186	0.786%	0.019	0.022	0.056	0.221
%RSD		0.000	0.144	0.600	1.389	6.008	9.511	1.967	9.537
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:59:02	60.715%	1.856	0.291	0.260	417.200	411.100	61.964%	62.285%
2	22:59:45	61.098%	1.894	0.316	0.275	411.700	407.000	62.668%	63.108%
3	23:00:28	60.522%	1.786	0.312	0.213	414.800	411.700	62.743%	62.832%
X		60.778%	1.845	0.306	0.250	414.600	409.900	62.459%	62.741%
σ		0.293%	0.055	0.013	0.032	2.763	2.548	0.429%	0.419%
%RSD		0.483	2.965	4.334	12.880	0.666	0.622	0.688	0.667
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	22:59:02	2.155	2.188	85.520	81.630	83.860	49.821%		
2	22:59:45	2.169	2.117	86.240	82.870	84.180	50.518%		
3	23:00:28	2.115	2.137	87.280	82.780	84.570	50.402%		
X		2.147	2.147	86.350	82.430	84.200	50.247%		
σ		0.028	0.037	0.882	0.689	0.354	0.374%		
%RSD		1.317	1.713	1.021	0.836	0.421	0.744		

240-23459-C-12-A 5/7/2013 11:03:09 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:03:52	81.121%	2.680	36.160	32.720	0.000	914.700	85620.000	86180.000
2	23:04:35	78.545%	2.577	32.310	35.850	0.000	923.200	87240.000	87390.000
3	23:05:18	76.195%	3.153	37.470	35.470	0.000	932.700	87600.000	87180.000
X		78.620%	2.803	35.320	34.680	0.000	923.600	86820.000	86920.000
σ		2.464%	0.307	2.683	1.708	0.000	9.012	1055.000	644.500
%RSD		3.134	10.960	7.597	4.924	0.000	0.976	1.216	0.742
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:03:52	49110.000	4493.000	0.000	9609.000	359300.000	359800.000	68.328%	1482.000
2	23:04:35	49720.000	4452.000	0.000	9729.000	360800.000	360900.000	65.957%	1461.000
3	23:05:18	49860.000	4301.000	0.000	9677.000	361900.000	359900.000	65.865%	1471.000
X		49560.000	4415.000	0.000	9672.000	360700.000	360200.000	66.717%	1471.000
σ		394.400	101.200	0.000	60.080	1281.000	585.200	1.396%	10.820
%RSD		0.796	2.292	0.000	0.621	0.355	0.163	2.092	0.735
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:03:52	141.100	96.820	2396.000	107500.000	108900.000	53.090	144.500	112.200
2	23:04:35	142.300	98.910	2407.000	108900.000	109600.000	53.810	147.100	112.800
3	23:05:18	139.600	96.900	2379.000	108400.000	109500.000	52.660	146.400	111.200
X		141.000	97.540	2394.000	108300.000	109300.000	53.190	146.000	112.100
σ		1.339	1.187	14.000	694.700	395.500	0.581	1.344	0.779
%RSD		0.950	1.217	0.585	0.641	0.362	1.093	0.920	0.695
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:03:52	114.300	320.600	313.100	39.930	1.466	3.207	0.000	509.500
2	23:04:35	112.700	316.500	319.800	38.580	1.658	2.971	0.000	516.900
3	23:05:18	112.500	317.300	321.000	39.030	1.341	1.865	0.000	519.600
X		113.200	318.100	318.000	39.180	1.488	2.681	0.000	515.300
σ		0.967	2.161	4.218	0.689	0.160	0.716	0.000	5.279
%RSD		0.854	0.679	1.327	1.759	10.720	26.710	0.000	1.024
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:03:52	0.000	26.650	27.230	57.963%	0.254	0.251	3.375	3.115
2	23:04:35	0.000	27.670	27.910	57.094%	0.382	0.177	3.333	2.912
3	23:05:18	0.000	26.940	27.670	57.154%	0.377	0.227	3.692	3.204
X		0.000	27.090	27.610	57.404%	0.338	0.219	3.466	3.077
σ		0.000	0.523	0.344	0.486%	0.072	0.038	0.196	0.150
%RSD		0.000	1.932	1.247	0.846	21.430	17.350	5.661	4.869
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:03:52	61.232%	2.841	0.561	0.519	381.500	372.500	62.363%	61.539%
2	23:04:35	61.466%	2.502	0.468	0.529	372.900	371.600	63.239%	62.641%
3	23:05:18	61.001%	2.733	0.505	0.516	376.300	371.800	62.602%	62.813%
X		61.233%	2.692	0.511	0.522	376.900	372.000	62.735%	62.331%
σ		0.232%	0.173	0.047	0.007	4.343	0.468	0.453%	0.692%
%RSD		0.380	6.434	9.184	1.252	1.152	0.126	0.722	1.110
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	23:03:52	2.108	2.166	94.650	90.960	92.240	48.816%		
2	23:04:35	2.202	2.231	95.320	90.570	92.190	49.222%		
3	23:05:18	2.207	2.150	94.490	90.210	92.080	49.005%		
X		2.172	2.182	94.820	90.580	92.170	49.014%		
σ		0.056	0.043	0.442	0.378	0.082	0.203%		
%RSD		2.558	1.954	0.466	0.417	0.088	0.414		

240-23459-C-13-A 5/7/2013 11:07:59 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:08:42	77.466%	2.640	36.460	37.220	0.000	947.300	110100.000	110300.000
2	23:09:25	74.269%	2.890	37.890	38.970	0.000	963.600	112000.000	112100.000
3	23:10:08	74.233%	2.345	40.020	39.510	0.000	974.000	111400.000	112200.000
X		75.323%	2.625	38.130	38.570	0.000	961.700	111200.000	111500.000
σ		1.856%	0.273	1.790	1.192	0.000	13.450	981.100	1030.000
%RSD		2.464	10.390	4.695	3.091	0.000	1.399	0.882	0.924
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:08:42	48760.000	5395.000	0.000	10440.000	491000.000	493300.000	65.993%	1283.000
2	23:09:25	49520.000	5556.000	0.000	10660.000	507900.000	507600.000	64.476%	1320.000
3	23:10:08	49830.000	5547.000	0.000	10700.000	504200.000	501000.000	64.013%	1301.000
X		49370.000	5500.000	0.000	10600.000	501000.000	500600.000	64.827%	1301.000
σ		552.000	90.470	0.000	140.700	8899.000	7183.000	1.036%	18.350
%RSD		1.118	1.645	0.000	1.327	1.776	1.435	1.598	1.410
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:08:42	150.700	126.400	3983.000	122600.000	125400.000	57.250	154.900	133.700
2	23:09:25	155.600	128.400	4054.000	123200.000	125600.000	57.410	156.900	133.200
3	23:10:08	154.100	129.300	4080.000	123800.000	125900.000	57.290	152.700	132.000
X		153.500	128.000	4039.000	123200.000	125600.000	57.320	154.800	133.000
σ		2.516	1.520	50.340	607.200	286.300	0.086	2.127	0.872
%RSD		1.639	1.187	1.246	0.493	0.228	0.150	1.374	0.656
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:08:42	134.300	314.000	315.100	41.830	1.721	1.398	0.000	632.800
2	23:09:25	133.200	314.800	310.700	40.470	1.880	3.091	0.000	640.800
3	23:10:08	132.400	310.400	314.700	39.250	1.292	2.019	0.000	644.900
X		133.300	313.100	313.500	40.520	1.631	2.170	0.000	639.500
σ		0.918	2.302	2.441	1.294	0.304	0.857	0.000	6.186
%RSD		0.689	0.735	0.779	3.193	18.640	39.480	0.000	0.967
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:08:42	0.000	24.640	24.020	57.473%	0.382	0.277	2.338	2.013
2	23:09:25	0.000	25.980	24.800	56.375%	0.388	0.295	2.630	2.059
3	23:10:08	0.000	25.240	24.770	56.417%	0.355	0.308	2.984	2.391
X		0.000	25.280	24.530	56.755%	0.375	0.293	2.651	2.154
σ		0.000	0.668	0.440	0.622%	0.018	0.016	0.324	0.206
%RSD		0.000	2.642	1.793	1.096	4.728	5.306	12.210	9.554
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:08:42	61.883%	1.874	0.322	0.234	385.900	381.300	63.276%	63.233%
2	23:09:25	61.219%	1.820	0.362	0.236	391.400	392.000	63.489%	63.859%
3	23:10:08	61.095%	1.681	0.345	0.320	393.100	395.700	63.723%	63.561%
X		61.399%	1.792	0.343	0.263	390.200	389.600	63.496%	63.551%
σ		0.424%	0.099	0.020	0.049	3.733	7.478	0.224%	0.313%
%RSD		0.691	5.548	5.865	18.760	0.957	1.919	0.352	0.493
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	23:08:42	2.297	2.441	85.250	80.940	82.120	49.366%		
2	23:09:25	2.354	2.431	85.680	81.620	83.720	49.951%		
3	23:10:08	2.381	2.444	85.340	81.530	83.670	50.473%		
X		2.344	2.438	85.420	81.370	83.170	49.930%		
σ		0.043	0.007	0.226	0.368	0.912	0.553%		
%RSD		1.831	0.270	0.265	0.453	1.096	1.108		

240-23459-C-14-C 5/7/2013 11:12:50 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:13:33	96.456%	1.830	5.023	5.164	0.000	476.500	38880.000	38730.000
2	23:14:16	93.103%	1.670	6.653	4.251	0.000	475.200	38710.000	38820.000
3	23:14:59	91.298%	1.654	3.353	4.193	0.000	473.300	38580.000	38950.000
X		93.619%	1.718	5.010	4.536	0.000	475.000	38720.000	38840.000
σ		2.617%	0.097	1.650	0.545	0.000	1.637	150.900	110.500
%RSD		2.796	5.668	32.930	12.010	0.000	0.345	0.390	0.284
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:13:33	37640.000	4288.000	0.000	3796.000	149000.000	150500.000	80.298%	1150.000
2	23:14:16	37960.000	4383.000	0.000	3800.000	148500.000	148700.000	78.093%	1131.000
3	23:14:59	37630.000	4295.000	0.000	3773.000	149400.000	149600.000	75.865%	1130.000
X		37740.000	4322.000	0.000	3790.000	148900.000	149600.000	78.085%	1137.000
σ		184.500	52.930	0.000	14.470	442.600	880.900	2.216%	11.230
%RSD		0.489	1.225	0.000	0.382	0.297	0.589	2.838	0.988
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:13:33	104.500	70.250	1747.000	73190.000	73590.000	29.420	83.350	77.780
2	23:14:16	104.400	71.530	1735.000	72420.000	72780.000	29.320	80.420	76.780
3	23:14:59	104.900	70.460	1740.000	72480.000	72760.000	28.540	78.440	75.560
X		104.600	70.750	1741.000	72700.000	73040.000	29.100	80.740	76.710
σ		0.236	0.684	6.051	426.100	473.500	0.481	2.473	1.109
%RSD		0.226	0.967	0.348	0.586	0.648	1.655	3.063	1.446
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:13:33	78.940	214.400	211.900	24.520	1.035	0.950	0.000	263.300
2	23:14:16	76.050	214.100	217.500	24.270	0.921	2.001	0.000	263.900
3	23:14:59	77.020	212.400	215.600	25.000	1.140	1.367	0.000	264.400
X		77.340	213.600	215.000	24.600	1.032	1.439	0.000	263.900
σ		1.470	1.081	2.839	0.367	0.109	0.529	0.000	0.566
%RSD		1.901	0.506	1.321	1.492	10.600	36.760	0.000	0.215
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:13:33	0.000	15.940	16.180	69.925%	0.193	0.130	1.713	1.553
2	23:14:16	0.000	16.430	16.060	68.505%	0.218	0.163	2.130	1.628
3	23:14:59	0.000	15.100	16.490	67.641%	0.194	0.167	1.813	1.588
X		0.000	15.820	16.240	68.690%	0.202	0.154	1.885	1.590
σ		0.000	0.673	0.224	1.153%	0.014	0.021	0.218	0.038
%RSD		0.000	4.253	1.379	1.679	7.015	13.440	11.550	2.389
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:13:33	70.050%	2.720	0.297	0.313	233.000	232.800	69.785%	69.547%
2	23:14:16	69.421%	2.540	0.318	0.282	233.500	232.000	69.028%	68.222%
3	23:14:59	68.956%	2.439	0.354	0.270	236.100	231.100	68.007%	68.371%
X		69.476%	2.567	0.323	0.288	234.200	232.000	68.940%	68.713%
σ		0.549%	0.142	0.029	0.022	1.654	0.877	0.892%	0.726%
%RSD		0.790	5.552	8.850	7.692	0.706	0.378	1.295	1.056
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	23:13:33	0.986	1.002	103.300	100.200	100.800	56.698%		
2	23:14:16	1.042	1.078	104.800	101.500	101.900	56.217%		
3	23:14:59	0.964	1.071	101.800	99.400	100.300	56.476%		
X		0.997	1.050	103.300	100.400	101.000	56.464%		
σ		0.040	0.042	1.483	1.049	0.822	0.241%		
%RSD		3.996	4.001	1.435	1.045	0.814	0.427		

240-23459-C-15-A 5/7/2013 11:17:41 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:18:24	74.948%	2.215	43.330	38.140	0.000	918.600	107100.000	107800.000
2	23:19:07	72.606%	2.674	37.860	39.050	0.000	934.500	107300.000	107700.000
3	23:19:50	73.331%	2.460	35.830	36.780	0.000	926.800	107300.000	106700.000
X		73.628%	2.449	39.010	37.990	0.000	926.700	107200.000	107400.000
σ		1.199%	0.230	3.879	1.140	0.000	7.940	93.670	620.300
%RSD		1.628	9.370	9.945	3.000	0.000	0.857	0.087	0.578
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:18:24	48580.000	5665.000	0.000	10490.000	469800.000	467500.000	64.346%	1226.000
2	23:19:07	48680.000	5497.000	0.000	10580.000	478500.000	474600.000	61.742%	1203.000
3	23:19:50	48040.000	5476.000	0.000	10550.000	468400.000	463700.000	61.552%	1211.000
X		48430.000	5546.000	0.000	10540.000	472200.000	468600.000	62.547%	1214.000
σ		346.400	103.800	0.000	48.290	5480.000	5535.000	1.561%	11.590
%RSD		0.715	1.871	0.000	0.458	1.160	1.181	2.496	0.955
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:18:24	137.800	96.600	2492.000	113300.000	114600.000	55.200	155.500	118.700
2	23:19:07	136.000	95.730	2535.000	114500.000	114300.000	55.590	152.100	120.000
3	23:19:50	134.100	94.910	2505.000	112900.000	114200.000	55.060	153.100	118.900
X		135.900	95.750	2511.000	113600.000	114300.000	55.280	153.500	119.200
σ		1.835	0.846	21.980	805.400	187.100	0.274	1.752	0.733
%RSD		1.350	0.883	0.875	0.709	0.164	0.496	1.141	0.615
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:18:24	120.800	289.700	294.600	38.350	1.713	2.090	0.000	573.300
2	23:19:07	121.300	294.500	295.000	38.960	1.199	2.384	0.000	585.000
3	23:19:50	120.200	295.300	294.300	38.050	1.595	2.405	0.000	586.200
X		120.800	293.200	294.600	38.450	1.502	2.293	0.000	581.500
σ		0.535	3.063	0.369	0.461	0.270	0.176	0.000	7.174
%RSD		0.443	1.045	0.125	1.199	17.940	7.689	0.000	1.234
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:18:24	0.000	25.870	26.300	55.373%	0.335	0.238	2.408	2.153
2	23:19:07	0.000	25.850	26.590	54.314%	0.330	0.212	2.730	2.439
3	23:19:50	0.000	25.800	26.130	54.147%	0.277	0.201	2.551	2.279
X		0.000	25.840	26.340	54.611%	0.314	0.217	2.563	2.290
σ		0.000	0.040	0.230	0.665%	0.032	0.019	0.161	0.143
%RSD		0.000	0.154	0.874	1.218	10.310	8.933	6.293	6.244
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:18:24	58.782%	1.641	0.263	0.291	379.900	374.100	60.525%	60.388%
2	23:19:07	58.398%	1.607	0.299	0.314	383.000	374.600	61.408%	60.533%
3	23:19:50	58.430%	1.683	0.253	0.283	382.000	375.300	60.960%	61.278%
X		58.537%	1.644	0.272	0.296	381.600	374.700	60.964%	60.733%
σ		0.213%	0.038	0.024	0.016	1.541	0.593	0.441%	0.477%
%RSD		0.364	2.320	8.850	5.373	0.404	0.158	0.724	0.786
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	23:18:24	2.312	2.285	65.750	62.590	63.890	47.104%		
2	23:19:07	2.359	2.299	66.240	63.230	64.360	47.689%		
3	23:19:50	2.430	2.301	66.330	63.790	64.350	47.996%		
X		2.367	2.295	66.110	63.200	64.200	47.596%		
σ		0.060	0.008	0.313	0.601	0.266	0.453%		
%RSD		2.522	0.364	0.474	0.951	0.413	0.953		

240-23459-F-16-G 5/7/2013 11:22:33 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:23:16	84.795%	1.758	21.190	22.090	0.000	678.300	72400.000	72670.000
2	23:23:59	79.856%	2.084	23.670	23.030	0.000	676.300	72130.000	72150.000
3	23:24:42	78.137%	1.906	24.510	23.150	0.000	679.300	72490.000	72950.000
X		80.929%	1.916	23.130	22.750	0.000	678.000	72340.000	72590.000
σ		3.456%	0.163	1.727	0.579	0.000	1.517	185.000	402.700
%RSD		4.271	8.499	7.465	2.545	0.000	0.224	0.256	0.555
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:23:16	40390.000	4653.000	0.000	7380.000	303500.000	303500.000	69.050%	1191.000
2	23:23:59	40130.000	4893.000	0.000	7255.000	302600.000	301200.000	66.449%	1194.000
3	23:24:42	40180.000	4926.000	0.000	7372.000	307900.000	307800.000	64.998%	1198.000
X		40230.000	4824.000	0.000	7336.000	304600.000	304100.000	66.832%	1194.000
σ		136.400	149.000	0.000	70.140	2819.000	3359.000	2.053%	3.922
%RSD		0.339	3.088	0.000	0.956	0.925	1.104	3.072	0.328
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:23:16	110.700	78.070	1927.000	87620.000	88190.000	42.930	115.000	103.100
2	23:23:59	112.100	78.730	1941.000	87110.000	87160.000	42.340	119.700	101.200
3	23:24:42	110.800	79.330	1971.000	89090.000	89820.000	42.340	115.600	102.900
X		111.200	78.710	1946.000	87940.000	88390.000	42.540	116.800	102.400
σ		0.769	0.629	22.690	1028.000	1341.000	0.339	2.548	1.049
%RSD		0.692	0.799	1.166	1.169	1.517	0.798	2.181	1.025
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:23:16	105.000	246.200	245.200	30.810	1.230	0.880	0.000	381.000
2	23:23:59	102.200	245.500	249.100	31.230	1.267	2.911	0.000	378.800
3	23:24:42	102.600	252.800	255.200	31.780	1.325	2.035	0.000	379.600
X		103.200	248.200	249.800	31.270	1.274	1.942	0.000	379.800
σ		1.529	4.065	5.025	0.487	0.048	1.019	0.000	1.105
%RSD		1.481	1.638	2.011	1.559	3.759	52.470	0.000	0.291
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:23:16	0.000	18.410	18.030	58.600%	0.322	0.265	3.030	2.777
2	23:23:59	0.000	18.400	18.910	57.577%	0.344	0.236	2.786	2.501
3	23:24:42	0.000	19.270	19.250	56.275%	0.322	0.305	2.751	2.612
X		0.000	18.690	18.730	57.484%	0.330	0.269	2.856	2.630
σ		0.000	0.498	0.628	1.165%	0.013	0.034	0.152	0.139
%RSD		0.000	2.663	3.352	2.027	3.876	12.750	5.317	5.274
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:23:16	60.038%	4.142	0.278	0.320	289.000	283.500	60.894%	60.476%
2	23:23:59	59.896%	3.675	0.354	0.268	286.100	282.600	61.031%	61.371%
3	23:24:42	59.379%	3.596	0.301	0.270	281.000	280.600	60.932%	60.147%
X		59.771%	3.804	0.311	0.286	285.400	282.200	60.952%	60.665%
σ		0.347%	0.295	0.039	0.029	4.071	1.509	0.071%	0.633%
%RSD		0.580	7.756	12.530	10.130	1.427	0.535	0.116	1.044
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	23:23:16	1.594	1.625	74.770	72.760	73.960	48.462%		
2	23:23:59	1.695	1.648	75.570	73.550	74.070	48.042%		
3	23:24:42	1.661	1.607	76.410	72.640	74.730	47.864%		
X		1.650	1.627	75.590	72.980	74.250	48.123%		
σ		0.052	0.021	0.820	0.495	0.415	0.307%		
%RSD		3.143	1.284	1.085	0.678	0.559	0.638		

240-23459-F-16-G SD@5

5/7/2013 11:27:25 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:28:08	93.044%	0.455	-6.148	-5.737	0.000	136.600	15410.000	15290.000
2	23:28:51	93.028%	0.530	-6.350	-5.800	0.000	137.600	15040.000	14950.000
3	23:29:34	90.201%	0.482	-5.802	-6.685	0.000	137.300	14520.000	14550.000
X		92.091%	0.489	-6.100	-6.074	0.000	137.200	14990.000	14930.000
σ		1.637%	0.038	0.277	0.530	0.000	0.526	449.500	372.500
%RSD		1.777	7.834	4.545	8.725	0.000	0.384	2.998	2.494
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:28:08	8530.000	1228.000	0.000	1440.000	60320.000	57340.000	81.951%	238.400
2	23:28:51	8308.000	1205.000	0.000	1435.000	59790.000	57350.000	80.567%	233.500
3	23:29:34	8170.000	1146.000	0.000	1429.000	59290.000	56290.000	79.766%	234.700
X		8336.000	1193.000	0.000	1435.000	59800.000	56990.000	80.761%	235.500
σ		181.700	42.440	0.000	5.719	512.600	610.000	1.105%	2.546
%RSD		2.179	3.558	0.000	0.399	0.857	1.070	1.368	1.081
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:28:08	21.450	15.590	382.100	17390.000	17390.000	8.118	25.620	21.230
2	23:28:51	21.940	15.750	377.900	17220.000	17380.000	8.018	23.800	21.540
3	23:29:34	21.070	15.260	371.600	16960.000	16850.000	7.973	23.470	20.860
X		21.490	15.530	377.200	17190.000	17200.000	8.036	24.300	21.210
σ		0.438	0.251	5.269	215.900	307.300	0.074	1.153	0.338
%RSD		2.037	1.613	1.397	1.256	1.787	0.926	4.747	1.595
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:28:08	22.660	54.350	53.240	6.169	0.511	-0.046	0.000	59.070
2	23:28:51	21.340	56.170	57.310	6.674	-0.036	-0.024	0.000	59.800
3	23:29:34	21.470	54.750	53.920	6.233	-0.141	-0.034	0.000	58.210
X		21.820	55.090	54.820	6.359	0.111	-0.035	0.000	59.020
σ		0.729	0.957	2.179	0.275	0.350	0.011	0.000	0.796
%RSD		3.341	1.737	3.974	4.320	314.000	32.880	0.000	1.348
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:28:08	91.420%	2.993	3.210	75.862%	0.051	0.062	0.983	0.786
2	23:28:51	92.412%	3.232	3.360	76.191%	0.080	0.035	0.459	0.501
3	23:29:34	94.121%	3.212	3.030	77.253%	0.060	0.041	0.486	0.502
X		92.651%	3.145	3.200	76.435%	0.064	0.046	0.643	0.596
σ		1.366%	0.133	0.165	0.727%	0.015	0.014	0.295	0.165
%RSD		1.475	4.216	5.152	0.951	23.420	31.240	45.900	27.620
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:28:08	74.442%	0.782	0.079	0.078	55.330	55.450	71.405%	71.731%
2	23:28:51	75.274%	0.814	0.042	0.059	55.220	55.910	73.431%	73.399%
3	23:29:34	76.173%	0.942	0.063	0.078	54.010	54.320	74.162%	74.325%
X		75.297%	0.846	0.061	0.072	54.850	55.230	72.999%	73.152%
σ		0.865%	0.084	0.019	0.011	0.729	0.818	1.429%	1.315%
%RSD		1.149	9.977	30.380	15.450	1.329	1.481	1.957	1.797
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	23:28:08	0.301	0.290	15.280	14.630	14.830	60.189%		
2	23:28:51	0.307	0.316	15.480	15.160	15.180	60.974%		
3	23:29:34	0.305	0.301	15.490	14.580	15.000	62.507%		
X		0.304	0.302	15.420	14.790	15.000	61.223%		
σ		0.003	0.013	0.121	0.324	0.174	1.179%		
%RSD		0.950	4.387	0.786	2.193	1.161	1.926		

240-23459-A-16-B MS

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:33:00	74.948%	45.000	852.700	878.100	0.000	48040.000	59990.000	59800.000
2	23:33:43	74.734%	46.050	865.400	874.200	0.000	47190.000	59710.000	58760.000
3	23:34:26	76.134%	44.110	873.900	883.200	0.000	47640.000	59430.000	58800.000
X		75.272%	45.050	864.000	878.500	0.000	47630.000	59710.000	59120.000
σ		0.754%	0.973	10.660	4.532	0.000	425.100	278.100	585.800
%RSD		1.002	2.160	1.234	0.516	0.000	0.893	0.466	0.991
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:33:00	40270.000	12980.000	0.000	50180.000	73420.000	71100.000	68.839%	2616.000
2	23:33:43	39490.000	12250.000	0.000	50370.000	75790.000	71850.000	67.666%	2610.000
3	23:34:26	39330.000	12180.000	0.000	50780.000	75850.000	72310.000	67.318%	2646.000
X		39700.000	12470.000	0.000	50450.000	75020.000	71760.000	67.941%	2624.000
σ		505.700	445.900	0.000	304.000	1386.000	609.900	0.797%	19.210
%RSD		1.274	3.575	0.000	0.603	1.847	0.850	1.172	0.732
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:33:00	566.800	250.700	1630.000	48830.000	49240.000	496.100	537.400	312.900
2	23:33:43	568.200	248.800	1636.000	49090.000	49620.000	498.400	542.800	316.800
3	23:34:26	572.700	252.100	1650.000	49060.000	49490.000	496.900	541.400	315.200
X		569.200	250.600	1638.000	49000.000	49450.000	497.100	540.500	315.000
σ		3.079	1.678	10.340	140.700	194.200	1.204	2.806	1.946
%RSD		0.541	0.670	0.631	0.287	0.393	0.242	0.519	0.618
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:33:00	319.000	724.600	713.800	48.520	7.299	6.686	0.000	1013.000
2	23:33:43	319.800	722.900	715.900	48.520	6.253	8.360	0.000	1012.000
3	23:34:26	314.800	720.800	736.500	48.190	6.991	8.864	0.000	1013.000
X		317.900	722.700	722.100	48.410	6.848	7.970	0.000	1013.000
σ		2.685	1.911	12.540	0.189	0.537	1.140	0.000	0.594
%RSD		0.845	0.264	1.737	0.391	7.848	14.300	0.000	0.059
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:33:00	0.000	998.000	1004.000	57.855%	47.330	46.550	44.610	39.990
2	23:33:43	0.000	999.500	1014.000	57.725%	46.490	46.840	43.340	38.950
3	23:34:26	0.000	1009.000	1015.000	57.194%	46.570	47.270	45.250	39.700
X		0.000	1002.000	1011.000	57.591%	46.800	46.890	44.400	39.540
σ		0.000	6.036	6.324	0.350%	0.466	0.363	0.976	0.540
%RSD		0.000	0.602	0.625	0.608	0.995	0.774	2.198	1.365
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:33:00	58.948%	1646.000	350.100	351.600	2012.000	1972.000	60.437%	60.733%
2	23:33:43	58.492%	1665.000	348.300	350.000	1986.000	1968.000	60.683%	60.723%
3	23:34:26	58.264%	1677.000	351.100	352.900	2023.000	1986.000	60.167%	60.417%
X		58.568%	1662.000	349.800	351.500	2007.000	1975.000	60.429%	60.624%
σ		0.348%	15.700	1.442	1.464	19.040	9.648	0.258%	0.179%
%RSD		0.595	0.945	0.412	0.416	0.949	0.488	0.428	0.296
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	23:33:00	48.440	48.640	143.600	142.900	142.700	48.408%		
2	23:33:43	48.390	48.360	141.500	142.800	141.800	49.039%		
3	23:34:26	48.740	49.030	142.700	142.900	142.400	48.812%		
X		48.520	48.680	142.600	142.900	142.300	48.753%		
σ		0.192	0.335	1.017	0.080	0.431	0.320%		
%RSD		0.395	0.688	0.713	0.056	0.303	0.656		

240-23459-A-16-C MSD 5/7/2013 11:37:10 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:37:53	76.260%	43.680	851.600	866.700	0.000	46690.000	58880.000	58870.000
2	23:38:36	72.172%	45.390	863.300	868.300	0.000	46730.000	58870.000	58740.000
3	23:39:19	69.906%	44.940	879.300	889.000	0.000	46480.000	59270.000	59200.000
X		72.779%	44.670	864.700	874.600	0.000	46630.000	59010.000	58940.000
σ		3.220%	0.885	13.920	12.440	0.000	132.900	228.500	239.900
%RSD		4.425	1.982	1.609	1.422	0.000	0.285	0.387	0.407
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:37:53	39330.000	13240.000	0.000	50350.000	76460.000	70850.000	67.493%	2616.000
2	23:38:36	39430.000	12880.000	0.000	49830.000	74970.000	71110.000	66.218%	2586.000
3	23:39:19	39240.000	12570.000	0.000	50040.000	74610.000	71310.000	64.555%	2596.000
X		39330.000	12900.000	0.000	50080.000	75350.000	71090.000	66.089%	2599.000
σ		95.340	339.600	0.000	259.900	978.200	228.500	1.473%	14.990
%RSD		0.242	2.633	0.000	0.519	1.298	0.322	2.229	0.577
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:37:53	575.800	253.800	1652.000	49420.000	49480.000	498.600	539.100	322.600
2	23:38:36	562.900	248.700	1630.000	48940.000	49230.000	491.500	530.400	310.700
3	23:39:19	568.500	249.800	1635.000	48480.000	48360.000	483.500	526.700	310.400
X		569.000	250.700	1639.000	48940.000	49020.000	491.200	532.100	314.600
σ		6.461	2.696	11.410	470.200	587.300	7.565	6.374	6.934
%RSD		1.136	1.075	0.696	0.961	1.198	1.540	1.198	2.204
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:37:53	323.700	733.000	736.900	49.570	7.449	9.318	0.000	1001.000
2	23:38:36	315.200	725.900	723.600	48.460	7.653	8.059	0.000	1010.000
3	23:39:19	305.200	723.300	718.700	47.860	6.788	7.985	0.000	1003.000
X		314.700	727.400	726.400	48.630	7.297	8.454	0.000	1005.000
σ		9.253	5.017	9.407	0.869	0.452	0.749	0.000	4.713
%RSD		2.940	0.690	1.295	1.787	6.199	8.863	0.000	0.469
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:37:53	0.000	996.800	1012.000	57.695%	46.680	46.770	44.790	37.320
2	23:38:36	0.000	1010.000	1019.000	57.164%	46.410	46.810	45.500	39.490
3	23:39:19	0.000	1001.000	1011.000	56.881%	45.560	45.610	44.400	40.150
X		0.000	1003.000	1014.000	57.247%	46.220	46.400	44.900	38.990
σ		0.000	6.886	4.532	0.413%	0.586	0.683	0.553	1.484
%RSD		0.000	0.687	0.447	0.722	1.268	1.473	1.232	3.807
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:37:53	58.415%	1663.000	349.800	349.300	2001.000	1980.000	59.889%	60.289%
2	23:38:36	58.237%	1669.000	348.800	345.200	1985.000	1960.000	61.295%	61.314%
3	23:39:19	58.321%	1663.000	348.600	353.000	1962.000	1941.000	62.107%	61.909%
X		58.325%	1665.000	349.100	349.200	1983.000	1960.000	61.097%	61.171%
σ		0.089%	3.431	0.668	3.887	19.740	19.910	1.122%	0.820%
%RSD		0.152	0.206	0.191	1.113	0.996	1.016	1.837	1.340
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	23:37:53	48.360	48.010	141.400	141.700	141.600	48.968%		
2	23:38:36	49.320	48.670	142.100	142.500	142.800	49.309%		
3	23:39:19	48.360	48.200	143.100	141.900	141.800	50.539%		
X		48.680	48.290	142.200	142.000	142.100	49.605%		
σ		0.551	0.340	0.863	0.416	0.644	0.827%		
%RSD		1.131	0.704	0.607	0.293	0.454	1.667		

CCV 801624 5/7/2013 11:42:00 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:42:43	83.182%	105.700	96.990	98.930	0.000	48920.000	50070.000	50010.000
2	23:43:26	85.163%	100.600	89.680	93.160	0.000	47230.000	48950.000	49350.000
3	23:44:09	84.090%	103.100	91.120	97.450	0.000	48800.000	49040.000	49150.000
X		84.145%	103.134%	92.598%	96.512%	0.000	96.631%	98.707%	99.010%
σ		0.992%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.178	2.478	4.181	3.103	0.000	1.953	1.263	0.906
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:42:43	545.400	5253.000	0.000	49430.000	49400.000	46610.000	71.633%	103.500
2	23:43:26	533.600	5188.000	0.000	49010.000	49140.000	47060.000	70.289%	107.500
3	23:44:09	524.700	5182.000	0.000	49520.000	49330.000	46370.000	72.029%	109.500
X		106.915%	104.157%	0.000	98.640%	98.578%	93.356%	71.317%	106.840%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.912%	n/a
%RSD		1.941	0.760	0.000	0.552	0.280	0.744	1.279	2.835
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:42:43	101.900	101.100	492.700	25070.000	25170.000	103.900	109.600	110.000
2	23:43:26	100.700	100.600	495.100	25290.000	25080.000	103.800	107.100	109.200
3	23:44:09	101.000	98.760	491.200	25030.000	25110.000	102.700	106.700	107.400
X		101.191%	100.170%	98.598%	100.515%	100.481%	103.470%	107.799%	108.833%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.615	1.238	0.405	0.552	0.164	0.618	1.447	1.218
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:42:43	109.600	105.300	106.200	101.600	101.000	98.580	0.000	96.630
2	23:43:26	109.500	104.800	101.300	100.500	104.200	99.010	0.000	95.460
3	23:44:09	105.600	101.800	102.700	99.240	101.700	93.200	0.000	94.290
X		108.243%	103.970%	103.426%	100.437%	102.278%	96.927%	0.000	95.463%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		2.088	1.829	2.416	1.163	1.661	3.340	0.000	1.228
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:42:43	68.290%	106.800	109.200	61.943%	103.800	104.100	99.480	99.750
2	23:43:26	68.062%	105.900	109.800	61.915%	103.200	103.400	99.960	100.900
3	23:44:09	70.282%	107.000	110.300	63.701%	104.600	103.200	100.200	99.870
X		68.878%	106.559%	109.777%	62.520%	103.871%	103.533%	99.876%	100.180%
σ		1.221%	n/a	n/a	1.023%	n/a	n/a	n/a	n/a
%RSD		1.773	0.560	0.488	1.637	0.640	0.452	0.363	0.646
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:42:43	63.000%	105.700	98.190	100.300	102.100	100.800	63.280%	63.568%
2	23:43:26	62.539%	104.500	99.010	101.600	100.800	101.000	63.899%	64.288%
3	23:44:09	64.000%	106.000	100.500	100.700	100.800	99.260	64.951%	65.968%
X		63.180%	105.411%	99.226%	100.888%	101.260%	100.334%	64.044%	64.608%
σ		0.747%	n/a	n/a	n/a	n/a	n/a	0.845%	1.232%
%RSD		1.182	0.769	1.163	0.656	0.755	0.935	1.319	1.906
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	23:42:43	101.300	100.500	101.900	101.600	102.000	54.108%		
2	23:43:26	99.240	99.800	100.400	100.300	101.000	54.899%		
3	23:44:09	99.760	100.300	99.330	100.400	100.200	56.435%		
X		100.099%	100.206%	100.560%	100.761%	101.077%	55.147%		
σ		n/a	n/a	n/a	n/a	n/a	1.183%		
%RSD		1.066	0.373	1.295	0.708	0.867	2.146		

CCB9 5/7/2013 11:50:14 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:50:57	100.451%	0.050	-7.647	-7.543	0.000	23.720	28.680	28.610
2	23:51:40	100.249%	0.050	-7.347	-8.447	0.000	24.010	26.780	31.440
3	23:52:23	100.710%	0.038	-8.166	-9.044	0.000	24.080	30.090	30.980
X		100.470%	0.046	-7.720	-8.345	0.000	23.940	28.520	30.340
σ		0.231%	0.007	0.415	0.756	0.000	0.190	1.658	1.519
%RSD		0.230	14.690	5.371	9.056	0.000	0.794	5.814	5.006
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:50:57	7.431	2.908	0.000	12.790	38.810	38.040	89.918%	0.294
2	23:51:40	7.725	24.000	0.000	11.610	24.820	35.980	90.031%	-0.014
3	23:52:23	7.450	3.447	0.000	12.110	44.240	43.430	90.182%	0.190
X		7.535	10.120	0.000	12.170	35.950	39.150	90.043%	0.157
σ		0.165	12.020	0.000	0.592	10.020	3.848	0.132%	0.157
%RSD		2.183	118.800	0.000	4.867	27.880	9.829	0.147	100.000
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:50:57	0.106	0.078	0.598	25.350	19.890	0.082	0.047	0.126
2	23:51:40	0.070	0.024	0.553	25.710	22.270	0.087	0.219	0.087
3	23:52:23	0.076	0.048	0.595	25.210	23.840	0.077	0.128	0.079
X		0.084	0.050	0.582	25.420	22.000	0.082	0.131	0.097
σ		0.019	0.027	0.025	0.258	1.989	0.005	0.086	0.025
%RSD		22.960	54.970	4.338	1.015	9.039	5.974	65.530	25.790
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:50:57	0.143	0.153	0.317	0.262	0.019	0.352	0.000	0.145
2	23:51:40	0.098	0.417	0.149	0.008	-0.145	0.296	0.000	0.143
3	23:52:23	0.141	0.242	0.376	0.040	-0.041	-0.106	0.000	0.168
X		0.127	0.271	0.281	0.103	-0.056	0.181	0.000	0.152
σ		0.025	0.134	0.118	0.139	0.083	0.250	0.000	0.014
%RSD		19.750	49.530	41.960	134.300	148.500	138.300	0.000	9.343
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:50:57	83.217%	0.616	0.710	92.131%	0.036	0.031	0.098	0.084
2	23:51:40	84.881%	0.699	0.689	93.686%	0.057	0.032	0.182	0.165
3	23:52:23	84.626%	0.695	0.561	93.315%	0.035	0.037	0.058	0.075
X		84.241%	0.670	0.653	93.044%	0.043	0.033	0.113	0.108
σ		0.896%	0.047	0.081	0.812%	0.013	0.003	0.064	0.050
%RSD		1.064	6.963	12.380	0.873	29.840	9.846	56.660	45.920
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:50:57	86.480%	0.875	0.106	0.197	0.190	0.197	82.580%	83.309%
2	23:51:40	89.230%	0.911	0.101	0.117	0.090	0.246	86.298%	85.702%
3	23:52:23	88.601%	0.861	0.129	0.160	0.240	0.198	83.963%	84.514%
X		88.103%	0.882	0.112	0.158	0.173	0.214	84.280%	84.508%
σ		1.441%	0.026	0.015	0.040	0.076	0.028	1.880%	1.196%
%RSD		1.635	2.923	13.030	25.470	43.950	12.930	2.230	1.416
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	23:50:57	0.040	0.034	0.080	0.076	0.069	79.539%		
2	23:51:40	0.037	0.042	0.081	0.062	0.061	87.416%		
3	23:52:23	0.032	0.030	0.065	0.066	0.066	86.534%		
X		0.036	0.036	0.075	0.068	0.065	84.497%		
σ		0.004	0.006	0.009	0.007	0.004	4.316%		
%RSD		10.070	17.630	11.860	10.850	5.783	5.108		

240-23459-C-17-A 5/7/2013 11:55:05 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:55:48	103.442%	1.426	-4.126	-3.177	0.000	221.600	9371.000	9196.000
2	23:56:31	98.809%	1.078	-4.028	-4.098	0.000	213.700	9044.000	9072.000
3	23:57:14	91.252%	1.124	-3.090	-3.435	0.000	224.600	9261.000	9346.000
X		97.834%	1.209	-3.748	-3.570	0.000	220.000	9225.000	9204.000
σ		6.153%	0.189	0.572	0.475	0.000	5.602	166.300	137.300
%RSD		6.289	15.620	15.260	13.310	0.000	2.547	1.802	1.492
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:55:48	27900.000	3637.000	0.000	1552.000	15610.000	14870.000	84.923%	1158.000
2	23:56:31	27910.000	3692.000	0.000	1521.000	15470.000	14480.000	82.811%	1175.000
3	23:57:14	28710.000	3835.000	0.000	1548.000	15750.000	14700.000	81.197%	1144.000
X		28170.000	3722.000	0.000	1540.000	15610.000	14680.000	82.977%	1159.000
σ		463.200	102.300	0.000	16.830	137.800	196.300	1.868%	15.450
%RSD		1.644	2.747	0.000	1.093	0.883	1.337	2.252	1.333
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:55:48	70.850	52.870	983.600	47440.000	47260.000	20.410	53.620	37.810
2	23:56:31	71.020	51.350	984.900	47770.000	47490.000	20.200	55.110	38.140
3	23:57:14	70.800	51.310	984.100	47330.000	47520.000	20.410	53.990	37.210
X		70.890	51.840	984.200	47510.000	47420.000	20.340	54.240	37.720
σ		0.117	0.889	0.640	230.400	140.300	0.122	0.775	0.470
%RSD		0.166	1.715	0.065	0.485	0.296	0.598	1.429	1.246
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:55:48	38.010	121.500	118.800	16.000	0.398	1.008	0.000	39.450
2	23:56:31	38.380	117.400	116.300	14.860	0.609	0.537	0.000	39.870
3	23:57:14	37.690	121.400	118.100	15.010	0.321	0.262	0.000	39.660
X		38.030	120.100	117.700	15.290	0.443	0.602	0.000	39.660
σ		0.345	2.345	1.265	0.617	0.149	0.378	0.000	0.210
%RSD		0.909	1.952	1.075	4.031	33.630	62.690	0.000	0.530
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:55:48	0.000	6.484	6.497	73.687%	0.139	0.118	1.224	1.037
2	23:56:31	0.000	6.357	6.224	73.680%	0.150	0.086	1.175	0.910
3	23:57:14	0.000	6.643	6.648	73.447%	0.125	0.097	1.197	0.914
X		0.000	6.495	6.456	73.605%	0.138	0.100	1.199	0.954
σ		0.000	0.144	0.215	0.137%	0.012	0.016	0.025	0.072
%RSD		0.000	2.213	3.333	0.186	8.934	16.130	2.057	7.573
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:55:48	71.736%	6.941	0.312	0.307	121.500	122.200	68.918%	68.824%
2	23:56:31	71.515%	6.611	0.401	0.365	120.500	119.000	70.181%	70.585%
3	23:57:14	71.988%	6.435	0.349	0.333	120.100	118.300	71.555%	71.630%
X		71.746%	6.662	0.354	0.335	120.700	119.800	70.218%	70.346%
σ		0.237%	0.257	0.045	0.029	0.729	2.040	1.319%	1.418%
%RSD		0.330	3.855	12.740	8.668	0.603	1.702	1.878	2.016
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	23:55:48	0.461	0.418	33.860	32.110	32.660	59.419%		
2	23:56:31	0.455	0.423	34.000	32.870	32.810	59.978%		
3	23:57:14	0.430	0.416	34.060	32.210	32.790	61.284%		
X		0.449	0.419	33.970	32.400	32.750	60.227%		
σ		0.017	0.004	0.101	0.415	0.083	0.957%		
%RSD		3.682	0.863	0.298	1.283	0.252	1.589		

240-23459-C-18-A 5/7/2013 11:59:54 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:00:38	94.527%	1.690	-5.261	-3.279	0.000	202.100	7244.000	7233.000
2	00:01:20	90.689%	1.604	-4.238	-4.331	0.000	206.200	7403.000	7319.000
3	00:02:04	89.808%	1.633	-5.478	-4.764	0.000	204.100	7314.000	7393.000
x		91.675%	1.643	-4.992	-4.125	0.000	204.200	7320.000	7315.000
σ		2.509%	0.044	0.662	0.764	0.000	2.071	79.970	79.780
%RSD		2.737	2.653	13.260	18.520	0.000	1.015	1.092	1.091
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:00:38	33320.000	4012.000	0.000	1652.000	9478.000	9256.000	81.509%	1481.000
2	00:01:20	33550.000	3973.000	0.000	1661.000	10140.000	9362.000	80.534%	1453.000
3	00:02:04	33730.000	3965.000	0.000	1664.000	9564.000	9206.000	79.810%	1452.000
x		33530.000	3983.000	0.000	1659.000	9729.000	9274.000	80.618%	1462.000
σ		207.700	25.300	0.000	5.989	362.800	79.660	0.852%	16.860
%RSD		0.619	0.635	0.000	0.361	3.729	0.859	1.057	1.154
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:00:38	112.300	60.000	981.600	73490.000	73310.000	20.890	50.650	52.480
2	00:01:20	113.000	59.580	980.400	73380.000	73100.000	20.330	48.280	51.890
3	00:02:04	111.700	60.100	999.000	74700.000	73810.000	20.580	49.390	51.920
x		112.300	59.890	987.000	73860.000	73410.000	20.600	49.440	52.100
σ		0.643	0.277	10.380	734.000	365.100	0.277	1.186	0.332
%RSD		0.572	0.462	1.052	0.994	0.497	1.346	2.398	0.637
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:00:38	50.950	106.500	106.400	26.950	0.772	0.810	0.000	30.580
2	00:01:20	51.090	106.000	105.600	26.950	0.874	1.570	0.000	30.520
3	00:02:04	51.630	106.500	105.500	27.160	0.916	1.511	0.000	30.930
x		51.220	106.300	105.800	27.020	0.854	1.297	0.000	30.680
σ		0.358	0.280	0.468	0.117	0.074	0.422	0.000	0.222
%RSD		0.700	0.263	0.443	0.435	8.682	32.570	0.000	0.722
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:00:38	0.000	8.575	8.698	72.158%	0.090	0.056	0.983	0.655
2	00:01:20	0.000	8.829	8.903	71.605%	0.118	0.039	1.026	0.802
3	00:02:04	0.000	8.808	8.747	71.390%	0.074	0.047	0.930	0.618
x		0.000	8.737	8.783	71.718%	0.094	0.047	0.980	0.692
σ		0.000	0.141	0.107	0.396%	0.022	0.009	0.048	0.098
%RSD		0.000	1.616	1.223	0.553	23.690	18.160	4.878	14.120
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:00:38	70.312%	4.392	0.316	0.248	112.100	111.800	70.830%	70.208%
2	00:01:20	70.083%	4.316	0.376	0.241	113.500	112.400	70.930%	71.075%
3	00:02:04	70.638%	4.387	0.309	0.236	113.100	112.400	71.100%	71.260%
x		70.344%	4.365	0.334	0.242	112.900	112.200	70.953%	70.848%
σ		0.279%	0.043	0.037	0.006	0.747	0.384	0.137%	0.562%
%RSD		0.396	0.977	11.030	2.527	0.662	0.342	0.192	0.793
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	00:00:38	0.413	0.405	36.890	33.670	35.360	59.856%		
2	00:01:20	0.390	0.407	37.300	34.350	35.780	60.189%		
3	00:02:04	0.422	0.386	37.010	34.550	35.330	60.241%		
x		0.408	0.399	37.070	34.190	35.490	60.095%		
σ		0.017	0.011	0.212	0.462	0.250	0.209%		
%RSD		4.048	2.848	0.573	1.350	0.704	0.348		

CCV 801624 5/8/2013 12:04:44 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:05:27	89.228%	105.900	76.710	80.740	0.000	48360.000	49110.000	49610.000
2	00:06:10	89.514%	98.420	79.320	78.460	0.000	47150.000	48100.000	47680.000
3	00:06:53	86.291%	99.650	81.300	81.970	0.000	48480.000	49110.000	48490.000
x		88.344%	101.325%	79.109%	80.389%	0.000	95.991%	97.549%	97.189%
σ		1.784%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		2.019	3.968	2.911	2.212	0.000	1.535	1.200	1.989
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:05:27	573.300	5363.000	0.000	50370.000	49660.000	47510.000	77.082%	110.000
2	00:06:10	543.600	5136.000	0.000	48860.000	47440.000	46740.000	73.864%	105.300
3	00:06:53	531.600	5147.000	0.000	49270.000	49000.000	46300.000	72.798%	107.400
x		109.899%	104.306%	0.000	98.995%	97.406%	93.701%	74.581%	107.543%
σ		n/a	n/a	0.000	n/a	n/a	n/a	2.230%	n/a
%RSD		3.901	2.462	0.000	1.577	2.342	1.301	2.990	2.172
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:05:27	103.300	104.000	496.900	25350.000	25590.000	106.300	110.100	111.300
2	00:06:10	100.600	100.000	491.500	25150.000	25170.000	104.100	107.700	107.900
3	00:06:53	102.400	101.500	493.300	24930.000	24930.000	102.300	105.400	106.800
x		102.104%	101.843%	98.778%	100.568%	100.925%	104.246%	107.728%	108.635%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.324	1.970	0.551	0.837	1.324	1.920	2.219	2.156
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:05:27	110.700	103.200	100.800	104.300	103.700	101.200	0.000	95.540
2	00:06:10	109.100	104.500	101.200	101.700	102.200	96.480	0.000	95.050
3	00:06:53	107.500	102.500	100.100	102.000	100.300	101.500	0.000	95.030
x		109.090%	103.364%	100.713%	102.681%	102.077%	99.743%	0.000	95.207%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.432	1.000	0.575	1.348	1.662	2.835	0.000	0.306
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:05:27	72.455%	104.700	105.900	66.487%	104.600	104.200	98.000	102.000
2	00:06:10	71.167%	105.200	108.100	64.154%	103.700	104.200	100.100	101.000
3	00:06:53	69.981%	106.600	109.500	63.570%	103.400	102.900	97.910	99.700
x		71.201%	105.490%	107.853%	64.737%	103.885%	103.770%	98.678%	100.913%
σ		1.238%	n/a	n/a	1.543%	n/a	n/a	n/a	n/a
%RSD		1.738	0.948	1.656	2.384	0.584	0.711	1.272	1.161
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:05:27	65.519%	100.000	98.380	99.450	99.370	100.800	65.965%	65.616%
2	00:06:10	63.910%	102.100	100.500	97.760	104.200	100.400	64.745%	65.164%
3	00:06:53	63.789%	101.900	98.850	100.200	100.800	99.950	64.939%	65.461%
x		64.406%	101.338%	99.250%	99.143%	101.432%	100.403%	65.216%	65.414%
σ		0.966%	n/a	n/a	n/a	n/a	n/a	0.656%	0.230%
%RSD		1.500	1.141	1.139	1.270	2.427	0.437	1.005	0.351
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	00:05:27	100.200	100.700	101.100	101.100	101.300	55.640%		
2	00:06:10	100.900	100.500	100.800	100.400	101.100	54.992%		
3	00:06:53	100.300	100.300	101.900	100.900	101.400	55.605%		
x		100.476%	100.500%	101.304%	100.799%	101.287%	55.412%		
σ		n/a	n/a	n/a	n/a	n/a	0.365%		
%RSD		0.392	0.165	0.561	0.339	0.139	0.658		

CCB10 5/8/2013 12:12:58 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:13:41	102.813%	0.060	-12.280	-12.290	0.000	12.580	19.680	17.870
2	00:14:24	105.719%	-0.019	-12.850	-13.280	0.000	17.790	24.890	23.980
3	00:15:07	101.138%	0.061	-12.750	-13.260	0.000	26.190	29.010	28.300
X		103.223%	0.034	-12.620	-12.950	0.000	18.850	24.520	23.380
σ		2.318%	0.046	0.303	0.568	0.000	6.866	4.674	5.239
%RSD		2.245	135.600	2.398	4.384	0.000	36.420	19.060	22.410
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:13:41	4.772	2.599	0.000	4.483	22.060	20.620	89.817%	0.055
2	00:14:24	6.294	3.207	0.000	5.874	35.400	29.700	91.101%	0.150
3	00:15:07	7.559	3.806	0.000	13.080	44.280	36.290	90.084%	0.190
X		6.208	3.204	0.000	7.811	33.910	28.870	90.334%	0.131
σ		1.395	0.603	0.000	4.612	11.190	7.865	0.678%	0.069
%RSD		22.470	18.830	0.000	59.050	32.990	27.240	0.750	52.620
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:13:41	0.074	0.050	0.392	18.260	18.930	0.042	0.036	0.062
2	00:14:24	0.084	0.031	0.443	24.340	22.060	0.059	0.115	0.048
3	00:15:07	0.033	0.007	0.643	27.060	26.250	0.069	0.056	0.085
X		0.064	0.029	0.493	23.220	22.410	0.056	0.069	0.065
σ		0.027	0.021	0.133	4.506	3.675	0.014	0.041	0.019
%RSD		41.870	72.130	27.040	19.410	16.400	24.110	59.150	29.370
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:13:41	0.064	0.227	0.178	-0.011	-0.066	-0.143	0.000	0.058
2	00:14:24	0.153	0.323	0.045	0.099	0.004	0.019	0.000	0.057
3	00:15:07	0.113	0.167	0.085	-0.118	0.304	-0.656	0.000	0.091
X		0.110	0.239	0.103	-0.010	0.081	-0.260	0.000	0.069
σ		0.045	0.079	0.068	0.108	0.196	0.353	0.000	0.019
%RSD		40.870	32.920	66.630	1080.000	242.300	135.500	0.000	27.760
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:13:41	86.139%	0.579	0.559	91.768%	0.021	0.007	0.059	0.056
2	00:14:24	87.413%	0.525	0.469	94.279%	0.025	0.017	0.186	0.133
3	00:15:07	86.859%	0.387	0.467	92.910%	0.035	0.041	0.151	0.115
X		86.804%	0.497	0.498	92.986%	0.027	0.021	0.132	0.101
σ		0.639%	0.099	0.052	1.257%	0.007	0.017	0.066	0.040
%RSD		0.736	19.900	10.540	1.352	26.940	80.920	49.940	39.870
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:13:41	86.323%	0.356	0.108	0.107	-0.017	0.086	82.536%	82.226%
2	00:14:24	88.066%	0.338	0.134	0.083	0.028	0.120	84.576%	84.890%
3	00:15:07	88.669%	0.363	0.084	0.127	0.101	0.120	84.673%	84.626%
X		87.686%	0.352	0.109	0.105	0.038	0.109	83.928%	83.914%
σ		1.218%	0.013	0.025	0.022	0.059	0.020	1.207%	1.468%
%RSD		1.389	3.708	23.100	20.720	157.500	18.020	1.438	1.749
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	00:13:41	0.020	0.022	0.060	0.055	0.050	80.483%		
2	00:14:24	0.020	0.033	0.060	0.053	0.058	79.573%		
3	00:15:07	0.044	0.039	0.049	0.059	0.053	91.232%		
X		0.028	0.031	0.056	0.056	0.053	83.763%		
σ		0.014	0.008	0.006	0.003	0.004	6.485%		
%RSD		48.980	27.010	11.590	5.971	7.696	7.742		

Performance Report

Sample details

Sample name : ITUNE

Acquired at : 5/7/2013 10:59:47 AM

Report name : EPA ILMO5.2/6020A 2.1 [3/15/2013 11:49:53 AM]

Mass Calibration verification

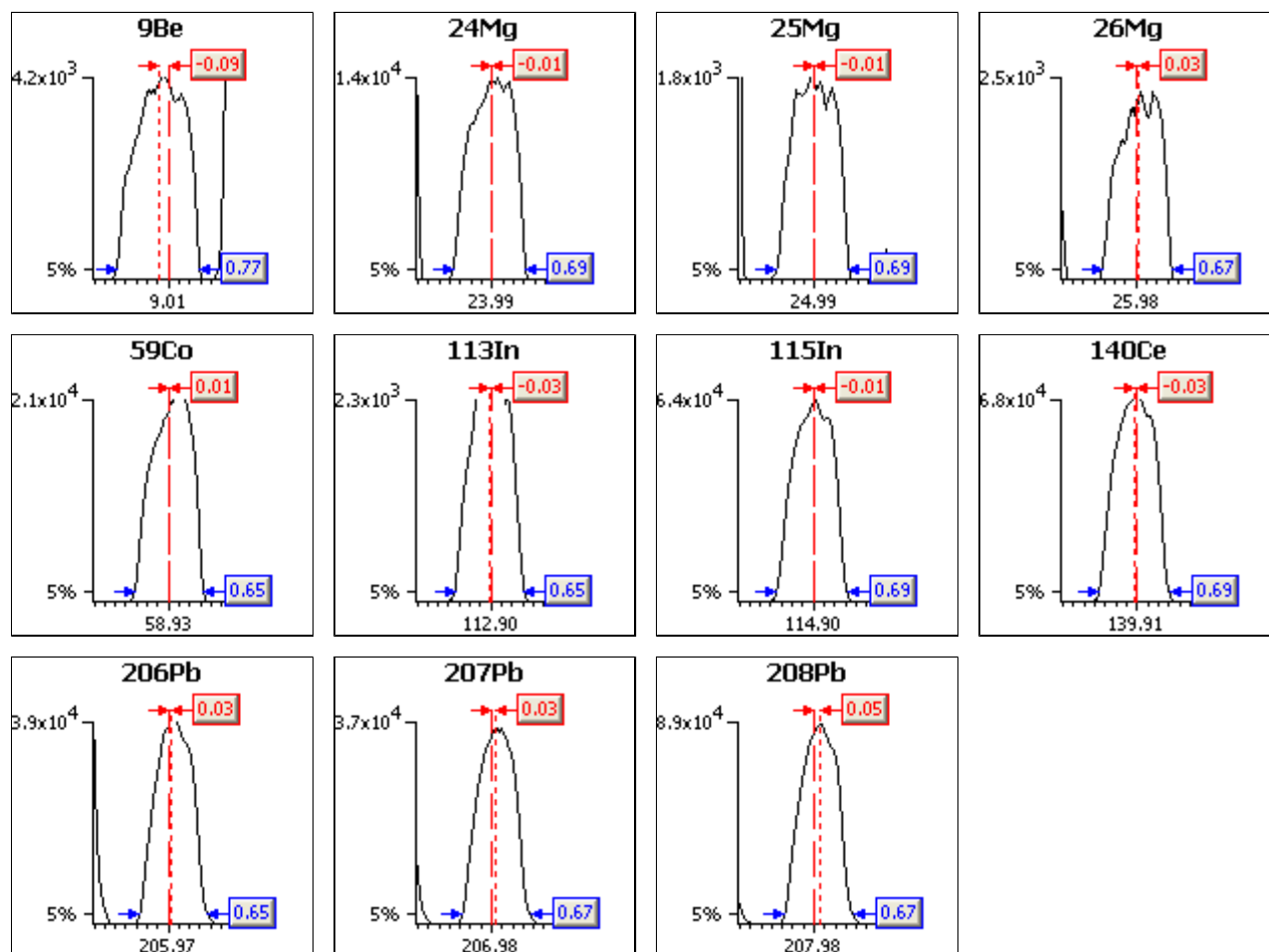
Acquisition parameters

Sweeps : 25

Dwell : 2.0 mSecs

Point spacing : 0.02 amu

Peak width measured at 5% of the peak maximum



Analyte	Limits			Results	
	Max. width	Min. width	Max. error	Peak width	Peak error
9Be	0.90	0.45	0.10	0.77	-0.09
24Mg	0.90	0.45	0.10	0.69	-0.01
25Mg	0.90	0.45	0.10	0.69	-0.01
26Mg	0.90	0.45	0.10	0.67	0.03
59Co	0.90	0.45	0.10	0.65	0.01
113In	0.90	0.45	0.10	0.65	-0.03
115In	0.90	0.45	0.10	0.69	-0.01
140Ce	0.90	0.45	0.10	0.69	-0.03
206Pb	0.90	0.45	0.10	0.65	0.03
207Pb	0.90	0.45	0.10	0.67	0.03
208Pb	0.90	0.45	0.10	0.67	0.05

Sample details

Sample name : ITUNE

Acquired at : 5/7/2013 10:59:47 AM

Report name : EPA ILMO5.2/6020A 2.1 [3/15/2013 11:49:53 AM]

Tune conditions

Major		Minor		Global		Add. Gases	
Extraction	-176	Lens 2	-24.3	Standard resolution	n/a	He/H2	0.00
Lens 1	1.2	Lens 3	-156.1	High resolution	n/a	He/NH3	0.00
Focus	22.0	Forward power	1302	Analogue Detector	n/a		
D1	-40.0	Horizontal	72	PC Detector	n/a		
Pole Bias	3.0	Vertical	539				
Hexapole Bias	-3.0	D2	-160				
Nebuliser	0.87	DA	-80.0				
Sampling Depth	150	Cool	18.0				
		Auxiliary	0.90				

Sensitivity and stability results**Acquisition parameters**

Sweeps : 150

Run	Time	5Bkg	9Be	24Mg	25Mg	26Mg	56Ar O	59Co	137Ba++
Dwell (mSecs)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Limits	%RSD	-	5.0%	5.0%	5.0%	5.0%	-	5.0%	-
	Countrate	-	>500	>500	>500	>500	-	>5000	-
1	11:00:35 AM	0	3928	13792	1773	2095	49652	20475	0
2	11:02:00 AM	0	4136	13874	1739	2031	49057	20631	0
3	11:03:25 AM	0	4035	13985	1757	2059	49877	20480	0
4	11:04:51 AM	0	3997	13387	1796	2083	49233	20600	0
5	11:06:16 AM	0	4001	13269	1665	1970	48417	20081	0
x		0	4019	13662	1746	2047	49247	20453	0
σ		0.09	75.87	314.73	49.97	49.69	567.12	219.78	0.00
%RSD		108.653	1.888	2.304	2.862	2.427	1.152	1.075	0.000

Run	Time	138Ba++	101Bkg	113In	115In	138Ba	140Ce	156Ce O	206Pb
Dwell (mSecs)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Limits	%RSD	-	-	5.0%	5.0%	-	5.0%	-	5.0%
	Countrate	-	-	>200	>5000	-	>10000	-	>500
1	11:00:35 AM	4	0	2684	64404	347	69096	2323	36371
2	11:02:00 AM	2	0	2698	64381	340	68832	2267	36495
3	11:03:25 AM	2	0	2719	64355	310	68361	2273	36526
4	11:04:51 AM	2	0	2702	64519	317	69276	2122	37007
5	11:06:16 AM	4	0	2688	64730	293	69319	2208	37601
x		3	0	2698	64478	321	68977	2239	36800
σ		1.19	0.05	13.72	154.22	21.90	394.15	76.79	509.15
%RSD		41.853	70.711	0.509	0.239	6.813	0.571	3.430	1.384

Run	Time	207Pb	208Pb	220Bkg
Dwell (mSecs)		0.0	0.0	0.0
Limits	%RSD	5.0%	5.0%	-
	Countrate	>500	>500	<2500
1	11:00:35 AM	33876	79636	0
2	11:02:00 AM	33940	80050	0
3	11:03:25 AM	33498	79482	0
4	11:04:51 AM	34141	80388	0
5	11:06:16 AM	34241	81004	0
x		33939	80112	0
σ		287.61	612.46	0.06
%RSD		0.847	0.765	104.583

Ratio results

Run	Time	156Ce O/140Ce
Ratio limits		<0.0500
1	11:00:35 AM	0
2	11:02:00 AM	0

3	11:03:25 AM	0
4	11:04:51 AM	0
5	11:06:16 AM	0
$\bar{x}$		0.0325
σ		0.00
%RSD		3.7410

Result : The performance report passed.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.: _____

Batch Number: 80775 Batch Start Date: 04/05/13 15:45 Batch Analyst: Girard, SusanBatch Method: 7470A Batch End Date: 04/05/13 17:45

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTH2S04 00012	MTHGCALW 00348	MTHNO3 00045	MTK2S208RGNT 00037
MB 240-80775/1		7470A, 7470A/DOD		100 mL	100 mL	5 mL		2.5 mL	8 mL
LCS 240-80775/2		7470A, 7470A/DOD		100 mL	100 mL	5 mL	5 mL	2.5 mL	8 mL
240-22804-E-11	079RN-0317-0001- RN	7470A, 7470A/DOD	T	100 mL	100 mL	5 mL		2.5 mL	8 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	MTKMN04W 00040					
MB 240-80775/1		7470A, 7470A/DOD		15 mL					
LCS 240-80775/2		7470A, 7470A/DOD		15 mL					
240-22804-E-11	079RN-0317-0001- RN	7470A, 7470A/DOD	T	15 mL					

Batch Notes	
Pipette ID	383364-383366
Digestion Tube/Cup Lot #	122612

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

7470A/DOD

Page 1 of 1

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.: _____

Batch Number: 80949 Batch Start Date: 04/08/13 09:20 Batch Analyst: Sutherland, AaronBatch Method: 7470A Batch End Date: 04/08/13 11:20

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTH2S04 00012	MTHGCALW 00349	MTHgStd 00009	MTHNO3 00045
ICV 240-80949/7		7470A, 7470A/DOD		100 mL	100 mL	5 mL		0.25 mL	2.5 mL
ICB 240-80949/8		7470A, 7470A/DOD		100 mL	100 mL	5 mL			2.5 mL
CRA 240-80949/9		7470A, 7470A/DOD		100 mL	100 mL	5 mL	0.2 mL		2.5 mL
CCVL 240-80949/10		7470A, 7470A/DOD		100 mL	100 mL	5 mL	5 mL		2.5 mL
CCB 240-80949/11		7470A, 7470A/DOD		100 mL	100 mL	5 mL			2.5 mL
CCV 240-80949/12		7470A, 7470A/DOD		100 mL	100 mL	5 mL	5 mL		2.5 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	MTK2S208RGNT 00037	MTKMNO4W 00040				
ICV 240-80949/7		7470A, 7470A/DOD		8 mL	15 mL				
ICB 240-80949/8		7470A, 7470A/DOD		8 mL	15 mL				
CRA 240-80949/9		7470A, 7470A/DOD		8 mL	15 mL				
CCVL 240-80949/10		7470A, 7470A/DOD		8 mL	15 mL				
CCB 240-80949/11		7470A, 7470A/DOD		8 mL	15 mL				
CCV 240-80949/12		7470A, 7470A/DOD		8 mL	15 mL				

Batch Notes	
Pipette ID	383366-383364
Digestion Tube/Cup Lot #	122612

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

7470A/DOD

Page 1 of 1

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.: _____

Batch Number: 82367 Batch Start Date: 04/17/13 14:55 Batch Analyst: Elshaw, DaleBatch Method: 7471A Batch End Date: 04/17/13 15:25

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTAQUAREGIA 00494	MTHGCALW 00356	MTKMN04W 00042	
MB 240-82367/1		7471A, 7471/DOD		0.60 g	100 mL	5 mL		15 mL	
LCS 240-82367/2		7471A, 7471/DOD		0.60 g	100 mL	5 mL	5 mL	15 mL	
240-22804-G-4	074SB-0010-0001- SO	7471A, 7471/DOD	T	0.60 g	100 mL	5 mL		15 mL	

Batch Notes	
Balance ID	b039
Blank Soil Lot Number	g228-2i025
Pipette ID	383364-383366-383389
Digestion Tube/Cup Lot #	122612

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

7471/DOD

Page 1 of 1

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.: _____

Batch Number: 82640 Batch Start Date: 04/19/13 08:15 Batch Analyst: Sutherland, AaronBatch Method: 7471A Batch End Date: 04/19/13 08:45

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTAQUAREGIA 00496	MTHGCALW 00358	MTHgStd 00009	MTKMNO4W 00043
ICV 240-82640/7		7471A, 7471/DOD		100 mL	100 mL	5 mL		0.25 mL	15 mL
ICB 240-82640/8		7471A, 7471/DOD		100 mL	100 mL	5 mL			15 mL
CRA 240-82640/9		7471A, 7471/DOD		100 mL	100 mL	5 mL	0.2 mL		15 mL
CCV 240-82640/10		7471A, 7471/DOD		100 mL	100 mL	5 mL	5 mL		15 mL
CCB 240-82640/11		7471A, 7471/DOD		100 mL	100 mL	5 mL			15 mL

Batch Notes	
Pipette ID	383366-383364-383389
Digestion Tube/Cup Lot #	122612

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

7471/DOD

Page 1 of 1

METALS BATCH WORKSHEET

Lab Name: TestAmerica Pittsburgh Job No.: 240-22804-1

SDG No.: _____

Batch Number: 69392 Batch Start Date: 04/17/13 12:20 Batch Analyst: Haluck, CaitlynBatch Method: 3050B Batch End Date: 04/17/13 14:20

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	MTAPITTICPMS 00014	MTAPITTMSA 00014	MTAPITTMSC 00020
MB 180-69392/1		3050B, 6020/DOD		NO %SOLIDS FOUND	00001.00 g	100 mL			
LCS 180-69392/2		3050B, 6020/DOD		NO %SOLIDS FOUND	00001.05 g	100 mL	1 mL	1 mL	1 mL
240-22804-E-4	074SB-0010-0001- SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.00 g	100 mL			

Batch Notes	
Analyst	CH
Balance ID	P1856710
Batch Comment	METALS A7
Blank Soil Lot Number	783730
First End time	1420
Filter Paper Lot Number	6326666B
Hydrogen peroxide lot number	10ML 781344
Logbook ID for diluted Nitric	10ML 785050
Lot # of Nitric Acid	5ML 790266
Hot Block ID number	#10
Nominal Amount Used	1.0 g
Oven, Bath or Block Temperature 1	96 Degrees C
Pipette ID	L1201611U
Person's name who witnessed reagent drop	CH
Perform Calculation (0=No, 1=Yes)	1
First Start time	1220
Temperature	96 Degrees C
ID number of the thermometer	IP9 (0.0) A4
Digestion Tube/Cup Lot #	MH21KK06
Uncorrected Temperature	96 Celsius

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

6020/DOD

Page 1 of 1

METALS BATCH WORKSHEET

Lab Name: TestAmerica Pittsburgh Job No.: 240-22804-1

SDG No.: _____

Batch Number: 70060 Batch Start Date: 04/25/13 10:30 Batch Analyst: Haluck, CaitlynBatch Method: 3005A Batch End Date: 04/25/13 14:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTAPITTCPMS 00014	MTAPITTMISA 00014	MTAPITTMSC 00020	
MB 180-70060/1		3005A, 6020/DOD		50 mL	50 mL				
LCS 180-70060/2		3005A, 6020/DOD		50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
240-22804-D-11	079RN-0317-0001-RN	3005A, 6020/DOD	R	50 mL	50 mL				
240-22804-D-11 MS	079RN-0317-0001-RN	3005A, 6020/DOD	R	50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
240-22804-D-11 MSD	079RN-0317-0001-RN	3005A, 6020/DOD	R	50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	

Batch Notes	
Batch Comment	METALS B7
First End time	1430
Lot # of hydrochloric acid	2.5ML 755211
Lot # of Nitric Acid	1.0ML 790266
Hot Block ID number	#5
Oven, Bath or Block Temperature 1	95
Pipette ID	L1201611U
Person who witnessed spiking	CH
First Start time	1030
ID number of the thermometer	IP4 (0.0) C4
Digestion Tube/Cup Lot #	MH21KK06
Uncorrected Temperature	95 Celsius

Basis	Basis Description
R	Total Recoverable

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

6020/DOD

Page 1 of 1

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-22804-1

SDG No.: _____

Project: RVAAP - ECC

Client Sample ID	Lab Sample ID
<u>074SB-0013-0001-SO</u>	<u>240-22804-2</u>
<u>074SB-0015-0001-SO</u>	<u>240-22804-3</u>
<u>074SB-0010-0001-SO</u>	<u>240-22804-4</u>
<u>074SB-0012-0001-SO</u>	<u>240-22804-5</u>
<u>074SB-0023-0001-SO</u>	<u>240-22804-6</u>
<u>074SB-0024-0001-SO</u>	<u>240-22804-7</u>
<u>074SB-0025-0001-SO</u>	<u>240-22804-8</u>
<u>074SB-0026-0001-SO</u>	<u>240-22804-9</u>
<u>074SB-0027-0001-SO</u>	<u>240-22804-10</u>

Comments:

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job Number: 240-22804-1

SDG No.: _____

Project: RVAAP - ECC

Client Sample ID

074SB-0010-0001-SO

079RN-0317-0001-RN

Lab Sample ID

240-22804-4

240-22804-11

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 074SB-0010-0001-SO Lab Sample ID: 240-22804-4
Lab Name: TestAmerica Sacramento Job No.: 240-22804-1
SDG ID.:
Matrix: Solid Date Sampled: 04/03/2013 11:40
Reporting Basis: DRY Date Received: 04/04/2013 08:00
% Solids: 84.8

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Nitrocellulose	2.1	5.9	2.1	0.92	mg/Kg	U		1	WS-WC-0050

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 079RN-0317-0001-RN

Lab Sample ID: 240-22804-11

Lab Name: TestAmerica Sacramento

Job No.: 240-22804-1

SDG ID.:

Matrix: Water

Date Sampled: 04/03/2013 15:00

Reporting Basis: WET

Date Received: 04/04/2013 08:00

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

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1
SDG No.: _____
Analyst: JS Batch Start Date: 04/10/2013
Reporting Units: mg/L Analytical Batch No.: 14024

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
8	ICV	11:02	Nitrocellulose	8.45	8.40	101	90-110		WC-353.2-ICV_00021
9	ICB	11:04	Nitrocellulose	1.0				U	
34	CCV	11:54	Nitrocellulose	8.28	8.40	99	90-110		WC-353.2-L4_00015
35	CCB	11:56	Nitrocellulose	1.0				U	
47	CCV	12:20	Nitrocellulose	8.23	8.40	98	90-110		WC-353.2-L4_00015
54	CCB	12:34	Nitrocellulose	1.0				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 Sacramento Job No.: 240-22804-1
SDG No.: _____
Analyst: JS Batch Start Date: 04/23/2013
Reporting Units: mg/L Analytical Batch No.: 14914

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
8	ICV	12:31	Nitrocellulose	8.22	8.40	98	90-110		WC-353.2-ICV_00022
9	ICB	12:33	Nitrocellulose	1.0				U	
22	CCV	12:59	Nitrocellulose	8.56	8.40	102	90-110		WC-353.2-L4_00016
23	CCB	13:01	Nitrocellulose	1.0				U	
36	CCV	13:27	Nitrocellulose	8.56	8.40	102	90-110		WC-353.2-L4_00016
37	CCB	13:29	Nitrocellulose	1.0				U	
43	CCV	13:41	Nitrocellulose	8.56	8.40	102	90-110		WC-353.2-L4_00016
44	CCB	13:43	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 Sacramento Job No.: 240-22804-1

SDG No.: _____

Method	Lab Sample ID	Analyte	Result	Qual	Units	LOQ	Dil
Batch ID: 14024	Date: 04/10/2013 12:00	Prep Batch: 13964	Date: 04/10/2013 07:54				
WS-WC-0050	MB 320-13864/1-B	Nitrocellulose	1.0	U	mg/L	2.0	1
Batch ID: 14914	Date: 04/23/2013 12:45	Prep Batch: 14752	Date: 04/22/2013 06:13				
WS-WC-0050	MB 320-14670/1-B	Nitrocellulose	1.8	U	mg/Kg	5.0	1

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1

SDG No.: _____

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 14914 Date: 04/23/2013 12:47 Prep Batch: 14752 Date: 04/22/2013 06:13											
LCS Source: HPNCSP_00008											
WS-WC-0 050	LCS 320-14670/2-B	Nitrocellulose	31.8		mg/Kg	50.6	63	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 Sacramento Job No.: 240-22804-1
SDG No.: _____
Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 14024 Date: 04/10/2013 12:02 Prep Batch: 13964 Date: 04/10/2013 07:54											
LCS Source: HPNCSP_00008											
WS-WC-0 050	LCS 320-13864/2-B	Nitrocellulose	4.51		mg/L	5.06	89	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 Sacramento Job No.: 240-22804-1

SDG No.: _____

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 14914 Date: 04/23/2013 12:35											
						LCS Source: WC-353.2-L1_00022					
WS-WC-0 050	MRL 320-14914/10	Nitrocellulose	1.0	U	mg/L	0.420	106	70-130			
Batch ID: 14914 Date: 04/23/2013 12:57											
						LCS Source: WC-353.2-L1_00022					
WS-WC-0 050	MRL 320-14914/21	Nitrocellulose	0.538	J	mg/L	0.420	128	70-130			

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

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-22804-1
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: 240-22804-1
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 Sacramento Job Number: 240-22804-1
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 Sacramento Job Number: 240-22804-1
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 Sacramento Job Number: 240-22804-1
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 Sacramento Job Number: 240-22804-1
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 Sacramento

Job No: 240-22804-1

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 Sacramento Job No.: 240-22804-1

SDG No.: _____

Prep Method: 353 (NCell-Hyd)

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 320-13864/1-B	04/10/2013 07:54	13964		50	40
LCS 320-13864/2-B	04/10/2013 07:54	13964		50	40
240-22804-11	04/10/2013 07:54	13964		50	40

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1

SDG No.: _____

Prep Method: 353 (NCell-Hyd)

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 320-14670/1-B	04/22/2013 06:13	14752		45	40
LCS 320-14670/2-B	04/22/2013 06:13	14752		45	40
240-22804-4	04/22/2013 06:13	14752		45	40

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 04/05/2013 10:34 End Date: 04/05/2013 10:34

[illegible]

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 04/05/2013 10:34 End Date: 04/05/2013 10:34

[illegible]

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.: _____

Instrument ID: NOEQUIP Method: Moisture

Start Date: 04/05/2013 10:34 End Date: 04/05/2013 10:34

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				% S o l	M o i s t																
ZZZZZZ			10:34																		
240-22804-2	1	T	10:34	X	X																
240-22804-3	1	T	10:34	X	X																
240-22804-4	1	T	10:34	X	X																
240-22804-5	1	T	10:34	X	X																
240-22804-6	1	T	10:34	X	X																
240-22804-7	1	T	10:34	X	X																
240-22804-8	1	T	10:34	X	X																
240-22804-9	1	T	10:34	X	X																
240-22804-9 DU	1	T	10:34	X	X																
240-22804-10	1	T	10:34	X	X																
240-22804-10 DU	1	T	10:34	X	X																
ZZZZZZ			10:34																		
ZZZZZZ			10:34																		
ZZZZZZ			10:34																		
ZZZZZZ			10:34																		
ZZZZZZ			10:34																		
ZZZZZZ			10:34																		
ZZZZZZ			10:34																		
ZZZZZZ			10:34																		

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1

SDG No.: _____

Instrument ID: FS4 Method: WS-WC-0050

Start Date: 04/10/2013 10:48 End Date: 04/10/2013 12:36

Lab Sample ID	D / F	T y p e	Time	Analytes															
				N C L															
ZZZZZZ			10:48																
STD5 320-14024/2 IC			10:50	X															
STD4 320-14024/3 IC			10:52	X															
STD3 320-14024/4 IC			10:54	X															
STD2 320-14024/5 IC			10:56	X															
STD1 320-14024/6 IC			10:58	X															
STD0 320-14024/7 IC			11:00	X															
ICV 320-14024/8	1		11:02	X															
ICB 320-14024/9	1		11:04	X															
ZZZZZZ			11:06																
ZZZZZZ			11:08																
ZZZZZZ			11:10																
ZZZZZZ			11:12																
ZZZZZZ			11:14																
ZZZZZZ			11:16																
ZZZZZZ			11:18																
ZZZZZZ			11:20																
ZZZZZZ			11:22																
ZZZZZZ			11:24																
ZZZZZZ			11:26																
CCV 320-14024/21			11:28																
CCB 320-14024/22			11:30																
ZZZZZZ			11:32																
ZZZZZZ			11:34																
ZZZZZZ			11:36																
ZZZZZZ			11:38																
ZZZZZZ			11:40																
ZZZZZZ			11:42																
ZZZZZZ			11:44																
ZZZZZZ			11:46																
ZZZZZZ			11:48																
ZZZZZZ			11:50																
MRL 320-14024/33	1	T	11:52	X															
CCV 320-14024/34	1		11:54	X															
CCB 320-14024/35	1		11:56	X															
ZZZZZZ			11:58																
MB 320-13864/1-B	1	T	12:00	X															
LCS 320-13864/2-B	1	T	12:02	X															
ZZZZZZ			12:04																
ZZZZZZ			12:06																
ZZZZZZ			12:08																
ZZZZZZ			12:10																

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1

SDG No.: _____

Instrument ID: FS4 Method: WS-WC-0050

Start Date: 04/10/2013 10:48 End Date: 04/10/2013 12:36

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				N C L																	
240-22804-11	1	T	12:12	X																	
ZZZZZZ			12:14																		
ZZZZZZ			12:16																		
ZZZZZZ			12:18																		
CCV 320-14024/47	1		12:20	X																	
ZZZZZZ			12:22																		
ZZZZZZ			12:24																		
ZZZZZZ			12:26																		
ZZZZZZ			12:28																		
ZZZZZZ			12:30																		
CCV 320-14024/53			12:32																		
CCB 320-14024/54	1		12:34	X																	
ZZZZZZ			12:36																		

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1

SDG No.: _____

Instrument ID: FS4 Method: WS-WC-0050

Start Date: 04/23/2013 12:17 End Date: 04/23/2013 15:07

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				N C L																	
ZZZZZZ			12:17																		
STD 320-14914/2 IC			12:19	X																	
STD 320-14914/3 IC			12:21	X																	
STD 320-14914/4 IC			12:23	X																	
STD 320-14914/5 IC			12:25	X																	
STD 320-14914/6 IC			12:27	X																	
STD 320-14914/7 IC			12:29	X																	
ICV 320-14914/8	1		12:31	X																	
ICB 320-14914/9	1		12:33	X																	
MRL 320-14914/10	1	T	12:35	X																	
ZZZZZZ			12:37																		
ZZZZZZ			12:39																		
ZZZZZZ			12:41																		
ZZZZZZ			12:43																		
MB 320-14670/1-B	1	T	12:45	X																	
LCS 320-14670/2-B	1	T	12:47	X																	
ZZZZZZ			12:49																		
ZZZZZZ			12:51																		
ZZZZZZ			12:53																		
ZZZZZZ			12:55																		
MRL 320-14914/21	1	T	12:57	X																	
CCV 320-14914/22	1		12:59	X																	
CCB 320-14914/23	1		13:01	X																	
ZZZZZZ			13:03																		
ZZZZZZ			13:05																		
ZZZZZZ			13:07																		
ZZZZZZ			13:09																		
ZZZZZZ			13:11																		
ZZZZZZ			13:13																		
ZZZZZZ			13:15																		
ZZZZZZ			13:17																		
ZZZZZZ			13:19																		
ZZZZZZ			13:21																		
240-22804-4	1	T	13:23	X																	
ZZZZZZ			13:25																		
CCV 320-14914/36	1		13:27	X																	
CCB 320-14914/37	1		13:29	X																	
ZZZZZZ			13:31																		
ZZZZZZ			13:33																		
ZZZZZZ			13:35																		
ZZZZZZ			13:37																		
ZZZZZZ			13:39																		

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1

SDG No.: _____

Instrument ID: FS4 Method: WS-WC-0050

Start Date: 04/23/2013 12:17 End Date: 04/23/2013 15:07

Lab Sample ID	D / F	T y p e	Time	Analytes															
				N C L															
CCV 320-14914/43	1		13:41	X															
CCB 320-14914/44	1		13:43	X															
ZZZZZZ			13:45																
ZZZZZZ			13:47																
ZZZZZZ			13:49																
ZZZZZZ			13:51																
ZZZZZZ			13:53																
ZZZZZZ			13:55																
CCV 320-14914/51			13:57																
CCB 320-14914/52			13:59																
ZZZZZZ			14:01																
ZZZZZZ			14:03																
ZZZZZZ			14:05																
ZZZZZZ			14:07																
ZZZZZZ			14:09																
ZZZZZZ			14:11																
ZZZZZZ			14:13																
ZZZZZZ			14:15																
ZZZZZZ			14:17																
ZZZZZZ			14:19																
ZZZZZZ			14:21																
CCV 320-14914/64			14:23																
CCB 320-14914/65			14:25																
ZZZZZZ			14:27																
ZZZZZZ			14:29																
ZZZZZZ			14:31																
ZZZZZZ			14:33																
ZZZZZZ			14:35																
ZZZZZZ			14:37																
ZZZZZZ			14:39																
ZZZZZZ			14:41																
ZZZZZZ			14:43																
ZZZZZZ			14:45																
ZZZZZZ			14:47																
CCV 320-14914/77			14:49																
CCB 320-14914/78			14:51																
ZZZZZZ			14:53																
ZZZZZZ			14:55																
ZZZZZZ			14:57																
ZZZZZZ			14:59																
ZZZZZZ			15:01																
CCV 320-14914/84			15:03																

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1

SDG No.: _____

Instrument ID: FS4 Method: WS-WC-0050

Start Date: 04/23/2013 12:17 End Date: 04/23/2013 15:07

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				N C L																	
CCB 320-14914/85			15:05																		
ZZZZZZ			15:07																		

Prep Types

T = Total/NA

File name: Z:\GENCHEM\ALPKEM~2\2013\NITROC~1\041013A.RST

Date: 10-Apr-13

Operator: JRS

Peak	Cup	Name	R	Type	Dil	Wt	Height	Calc. (ppm)	Flags
1	102	sync	1	SYNC		1	243358	1.995138	
B	0	Baseline	1	RB		1	0	0.004554	BL
3	102	Cal 5	1	C		1	244250	2.002432	
4	103	Cal 4	1	C		1	121438	0.997879	
5	104	Cal 3	1	C		1	47197	0.390608	
6	105	Cal 2	1	C		1	24521	0.205124	
7	106	Cal 1	1	C		1	5528	0.049773	
8	0	Cal 0	1	C		1	-45	0.004184	
9	107	ICV	1	U		1	122409	1.005816	
10	0	BLANK/ICB	1	BLNK		1	67	0.005102	
11	106	MRL	1	U		1	5610	0.050445	
12	108	N02 1PPM	1	U		1	123264	1.012814	
13	109	N03 1PPM	1	U		1	121474	0.998172	
14	0	Blank	1	BLNK		1	114	0.005486	
B	0	Baseline	1	RB		1	0	0.004554	BL
16	113	mb 320-13863/1-b	1	U		1	1424	0.016205	
17	114	lcs 320-13863/2-b	1	U		1	134453	1.104332	
18	115	240-22381-g-3-k	1	U		1	1386	0.015892	
19	116	240-22381-g-3-l	ms	1	U	1	54804	0.452832	
20	117	240-22381-g-3-m	msd	1	U	1	58286	0.481310	
21	106	MRL	1	U		1	5840	0.052325	
22	103	CCV	1	U		1	124454	1.022548	
23	0	Blank	1	BLNK		1	154	0.005818	
B	0	Baseline	1	RB		1	0	0.004554	BL
25	118	240-22381-g-6-k	1	U		1	1294	0.015139	
26	119	240-22381-g-24-k	1	U		1	1382	0.015861	
27	120	240-22392-i-8-f	1	U		1	709	0.010354	
28	121	240-22392-f-12-d	1	U		1	1038	0.013045	
29	122	240-22488-f-5-f	1	U		1	1242	0.014711	
30	123	240-22488-f-7-d	1	U		1	966	0.012457	
31	124	240-22488-f-11-d	1	U		1	1080	0.013386	
32	125	240-22488-f-18-d	1	U		1	1233	0.014644	
33	126	240-22488-f-23-d	1	U		1	1468	0.016561	
34	106	MRL	1	U		1	5551	0.049963	
35	103	CCV	1	U		1	119818	0.984624	
36	0	BLANK	1	BLNK		1	86	0.005261	
B	0	Baseline	1	RB		1	0	0.004554	BL
38	127	mb 320-13864/1-b	1	U		1	1708	0.018528	
39	128	lcs 320-13864/2-b	1	U		1	163346	1.340671	
40	129	240-22648-n-18-d	1	U		1	1821	0.019453	
41	130	240-22648-n-18-e	ms	1	U	1	158194	1.298527	
42	131	240-22648-n-18-f	msd	1	U	1	148261	1.217275	
43	132	240-22662-o-1-b	1	U		1	1956	0.020556	
44	133	240-22804-p-11-b	1	U		1	2318	0.023512	
45	134	640-42923-c-1-b	1	U		1	1436	0.016303	
46	135	640-42923-c-2-b	1	U		1	1867	0.019829	
47	106	MRL	1	U		1	5637	0.050666	
48	103	CCV	1	U		1	119155	0.979200	
49	0	BLANK	1	BLNK		1	41	0.004888	
B	0	Baseline	1	RB		1	0	0.004554	BL
51	136	640-42923-c-3-b	1	U		1	1587	0.017536	
52	137	640-42923-c-4-b	1	U		1	1481	0.016667	
53	106	MRL	1	U		1	5654	0.050798	
54	103	CCV	1	U		1	122447	1.006129	
55	0	BLANK	1	BLNK		1	176	0.005993	
B	0	Baseline	1	RB		1	0	0.004554	BL

Cup	Name	S	1:Time	1:Value	1:S
0	Baseline	C	10:48:49	0.00	[C]
102	Cal 5	C	10:50:49	2.00	[C]
103	Cal 4	C	10:52:49	1.00	[C]
104	Cal 3	C	10:54:49	0.39	[C]
105	Cal 2	C	10:56:49	0.21	[C]
106	Cal 1	C	10:58:49	0.05	[C]
0	Cal 0	C	11:00:50	0.00	[C]
107	ICV	-	11:02:50	1.01	[-]
0	BLANK/ICB	C	11:04:50	0.01	[C]
106	MRL	-	11:06:50	0.05	[-]
108	N02 1PPM	-	11:08:50	1.01	[-]
109	N03 1PPM	-	11:10:51	1.00	[-]
0	Blank	C	11:12:51	0.01	[C]
0	Baseline	C	11:14:51	0.00	[C]
113	mb 320-13863/1-b	-	11:16:51	0.02	[-]
114	lcs 320-13863/2-b	-	11:18:51	1.10	[-]
115	240-22381-g-3-k	-	11:20:51	0.02	[-]
116	240-22381-g-3-l ms	-	11:22:52	0.45	[-]
117	240-22381-g-3-m msd	-	11:24:52	0.48	[-]
106	MRL	-	11:26:52	0.05	[-]
103	CCV	-	11:28:52	1.02	[-]
0	Blank	C	11:30:52	0.01	[C]
0	Baseline	C	11:32:52	0.00	[C]
118	240-22381-g-6-k	-	11:34:53	0.02	[-]
119	240-22381-g-24-k	-	11:36:53	0.02	[-]
120	240-22392-i-8-f	-	11:38:53	0.01	[-]
121	240-22392-f-12-d	-	11:40:53	0.01	[-]
122	240-22488-f-5-f	-	11:42:53	0.01	[-]
123	240-22488-f-7-d	-	11:44:53	0.01	[-]
124	240-22488-f-11-d	-	11:46:54	0.01	[-]
125	240-22488-f-18-d	-	11:48:54	0.01	[-]
126	240-22488-f-23-d	-	11:50:54	0.02	[-]
106	MRL	-	11:52:54	0.05	[-]
103	CCV	-	11:54:54	0.98	[-]
0	BLANK	C	11:56:55	0.01	[C]
0	Baseline	C	11:58:55	0.00	[C]
127	mb 320-13864/1-b	-	12:00:55	0.02	[-]
128	lcs 320-13864/2-b	-	12:02:55	1.34	[-]
129	240-22648-n-18-d	-	12:04:55	0.02	[-]
130	240-22648-n-18-e ms	-	12:06:55	1.30	[-]
131	240-22648-n-18-f msd	-	12:08:56	1.22	[-]
132	240-22662-o-1-b	-	12:10:56	0.02	[-]
133	240-22804-p-11-b	-	12:12:56	0.02	[-]
134	640-42923-c-1-b	-	12:14:56	0.02	[-]
135	640-42923-c-2-b	-	12:16:56	0.02	[-]
106	MRL	-	12:18:56	0.05	[-]
103	CCV	-	12:20:57	0.98	[-]
0	BLANK	C	12:22:57	0.00	[C]
0	Baseline	C	12:24:57	0.00	[C]
136	640-42923-c-3-b	-	12:26:57	0.02	[-]
137	640-42923-c-4-b	-	12:28:57	0.02	[-]
106	MRL	-	12:30:57	0.05	[-]
103	CCV	-	12:32:58	1.01	[-]
0	BLANK	C	12:34:58	0.01	[C]
0	Baseline	C	12:36:58	0.00	[C]

File name: Z:\GENCHEM\ALPKEM~2\2013\NITROC~1\041013A.RST

Date: 10-Apr-13

Operator: JRS

* Name	Conc	Height
* Cal 5	2.000000	244249.578125
* Cal 4	1.000000	121438.406250
* Cal 3	0.400000	47196.843750
* Cal 2	0.200000	24520.556641
* Cal 1	0.050000	5528.250488
* Cal 0	0.000000	-45.275452

Calib Coef:

y=bx+a

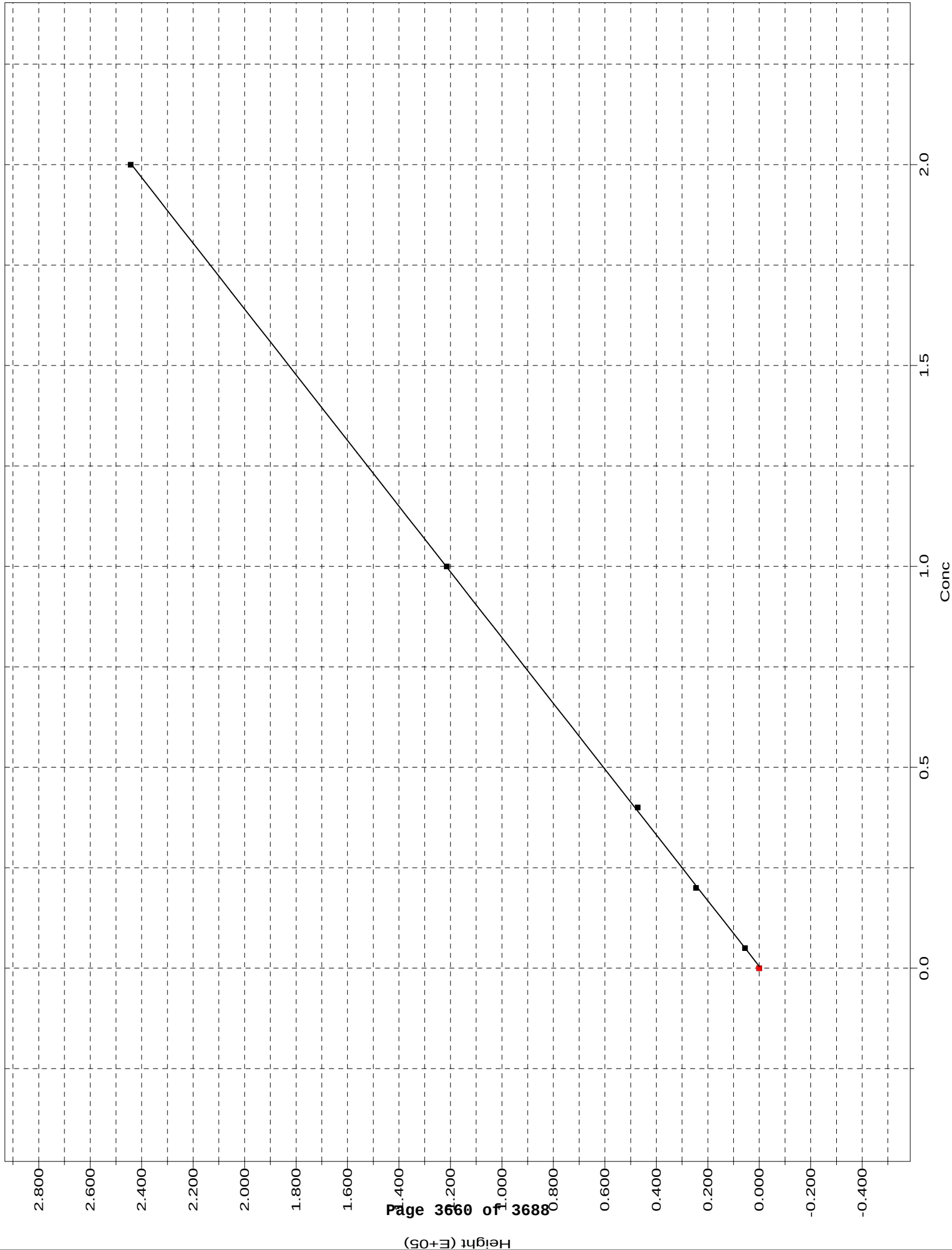
a: (intercept) -5.5676e+02

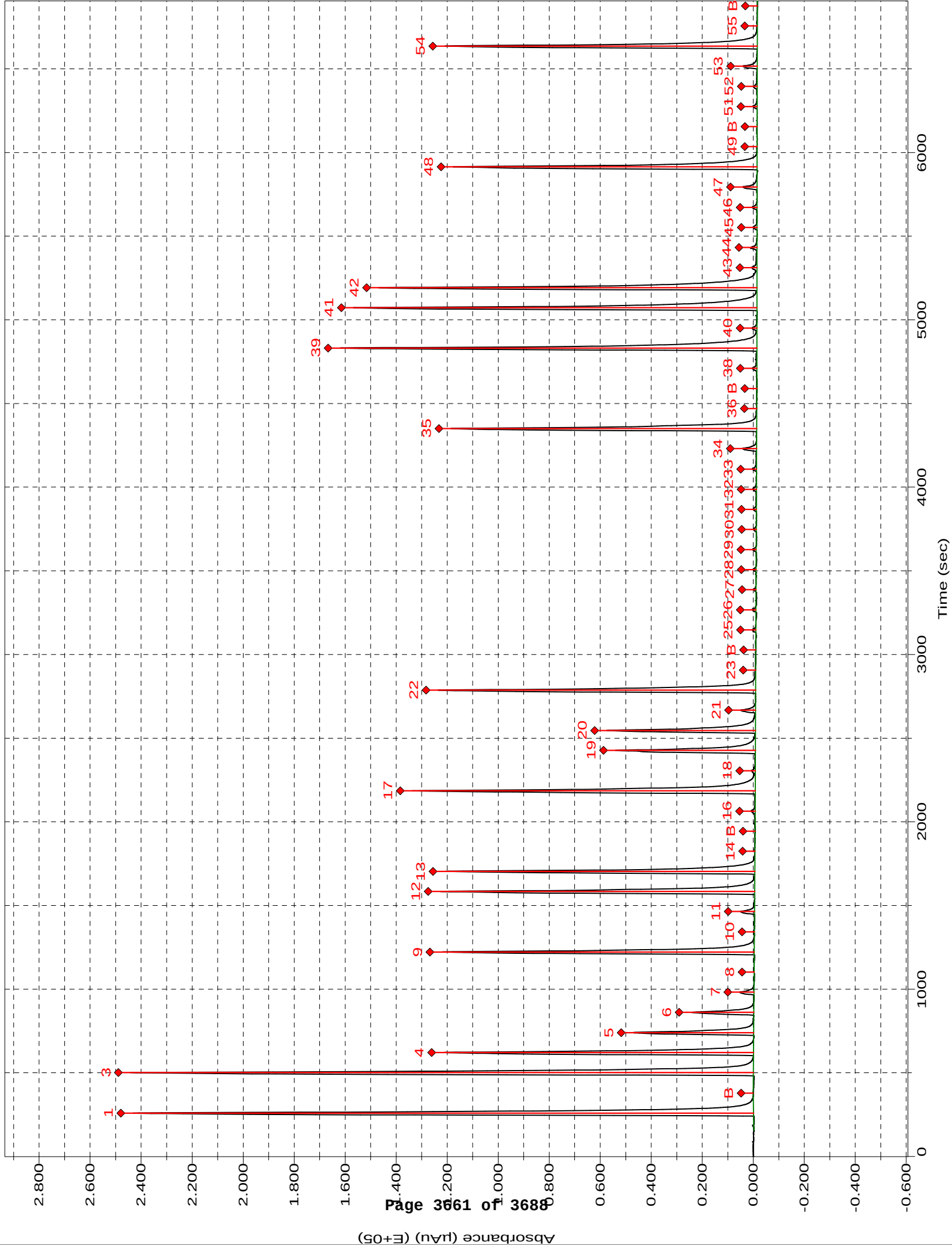
b: 1.2225e+05

Corr Coef: 0.999976

Carryover: n/a

No Drift Peaks





Level I and Level II Review Checklist General Chemistry

Instrument ID FS4		353.2 - Nitro		
Batch 14024 14025	File # 041013A	Date 4/10/13	Analyst JRS	
Lot Numbers		YES	NO	NA
LEVEL 1 Review: 240-22381, 22392, 22662, 22804 320-2126, 2170, 22488, 22648, 690-42923				
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: NCM ID #: 5519

REVIEWED BY: LW	DATA ENTERED BY: JRS
DATE: 4/11/13	DATE: 4/10/13

File name: Z:\GENCHEM\ALPKEM~2\2013\NITROC~1\042313A.RST

Date: 23-Apr-13

Operator: JRS

Peak	Cup	Name	R	Type	Dil	Wt	Height	Calc. (ppm)	Flags
1	103	sync	1	SYNC		1	116865	0.981765	
B	0	Baseline	1	RB		1	0	0.011762	BL
3	102	Cal 5	1	C		1	240248	2.005871	
4	103	Cal 4	1	C		1	118042	0.991536	
5	104	Cal 3	1	C		1	45998	0.393554	
6	105	Cal 2	1	C		1	22161	0.195706	
7	106	Cal 1	1	C		1	4991	0.053186	
8	0	Cal 0	1	C		1	-195	0.010147	
9	107	ICV	1	U		1	116468	0.978471	
10	0	BLANK/ICB	1	BLNK		1	-309	0.009198	
11	106	MRL	1	U		1	4949	0.052836	
12	108	NO2 1PPM	1	U		1	113655	0.955118	
13	109	NO3 1PPM	1	U		1	117086	0.983603	
14	0	Blank	1	BLNK		1	110	0.012673	
B	0	Baseline	1	RB		1	0	0.011762	BL
16	113	mb 320-14670/1-b	1	U		1	886	0.019116	
17	114	lcs 320-14670/2-b	1	U		1	112512	0.945635	
18	115	240-22648-f-13-d	1	U		1	6484	0.065583	
19	116	240-22648-f-29-d	1	U		1	4184	0.046490	
20	117	240-22648-f-30-d	1	U		1	3944	0.044495	
21	118	240-22648-f-36-d	1	U		1	4115	0.045917	
22	106	MRL	1	U		1	6299	0.064048	
23	103	CCV	1	U		1	121395	1.019365	
24	0	BLANK	1	BLNK		1	487	0.015807	
B	0	Baseline	1	RB		1	0	0.011762	BL
26	119	240-22648-f-38-d	1	U		1	1984	0.028230	
27	120	240-22648-f-40-d	1	U		1	789	0.018314	
28	121	240-22648-f-43-d	1	U		1	851	0.018828	
29	122	240-22648-f-53-d	1	U		1	1659	0.025533	
30	123	240-22663-f-4-h	1	U		1	1500	0.024212	
31	124	240-22663-f-7-d	1	U		1	1024	0.020261	
32	125	240-22663-f-17-d	1	U		1	1886	0.027420	
33	126	240-22663-f-26-d	1	U		1	1494	0.024166	
34	127	240-22663-f-28-d	1	U		1	8021	0.078334	
35	128	240-22804-f-4-d	1	U		1	1212	0.021821	
36	106	MRL	1	U		1	5684	0.058942	
37	103	CCV	1	U		1	121355	1.019036	
38	0	BLANK	1	BLNK		1	278	0.014069	
B	0	Baseline	1	RB		1	0	0.011762	BL
40	129	240-22852-g-1-j	1	U		1	1824	0.026898	
41	130	240-22852-g-1-k	ms	1	U	1	42292	0.362790	
42	131	240-22852-g-1-l	msd	1	U	1	40069	0.344343	
43	106	MRL	1	U		1	5330	0.055999	
44	103	CCV	1	U		1	121367	1.019132	
45	0	BLANK	1	BLNK		1	348	0.014653	
B	0	Baseline	1	RB		1	0	0.011762	BL
47	132	mb 320-14751/1-b	1	U		1	1578	0.024856	
48	133	lcs 320-14751/2-b	1	U		1	72680	0.615020	
49	134	320-2137-a-1-m	1	U		1	29830	0.259360	
50	135	320-2137-a-1-n	ms	1	U	1	119436	1.003104	
51	136	320-2137-a-1-o	msd	1	U	1	131250	1.101166	
52	103	CCV	1	U		1	121428	1.019641	
53	0	BLANK	1	BLNK		1	65	0.012300	
B	0	Baseline	1	RB		1	0	0.011762	BL
55	137	mb 320-14749/1-b	1	U		1	696	0.017541	
56	138	lcs 320-14749/2-b	1	U		1	102701	0.864204	
57	139	320-2307-a-19-b	1	U		1	2528	0.032741	
58	140	320-2307-a-20-b	1	U		1	2850	0.035421	
59	141	320-2307-a-21-b	1	U		1	5044	0.053631	
60	142	320-2307-a-22-b	1	U		1	41181	0.353574	
61	143	320-2307-a-23-b	1	U		1	48293	0.412601	
62	144	320-2307-a-24-b	1	U		1	27087	0.236593	
63	145	320-2307-a-25-b	1	U		1	12489	0.115421	
64	146	320-2307-b-25-c	ms	1	U	1	63937	0.542448	
65	103	CCV	1	U		1	126659	1.063061	
66	0	BLANK	1	BLNK		1	-112	0.010835	
B	0	Baseline	1	RB		1	0	0.011762	BL
68	147	320-2307-b-25-d	msd	1	U	1	62177	0.527844	
69	148	320-2307-b-26-b	1	U		1	4206	0.046672	
70	149	320-2307-a-27-b	1	U		1	2975	0.036452	

Peak	Cup	Name	R	Type	Dil	Wt	Height	Calc. (ppm)	Flags
71	150	320-2307-a-28-b	1	U		1	1	3488	0.040716
72	151	320-2307-a-29-b	1	U		1	1	3955	0.044591
73	152	320-2307-a-30-b	1	U		1	1	4754	0.051224
74	153	320-2307-a-31-c	1	U		1	1	3259	0.038811
75	154	320-2307-a-31-d	ms	1	U	1	1	63584	0.539518
76	155	320-2307-b-31-b	msd	1	U	1	1	50424	0.430294
77	156	320-2307-b-32-b	1	U		1	1	3065	0.037198
78	103	CCV	1	U		1	1	125765	1.055634
79	0	BLANK	1	BLNK		1	1	271	0.014011
B	0	Baseline	1	RB		1	1	0	0.011762 BL
81	157	320-2307-b-33-b	1	U		1	1	5134	0.054376
82	158	320-2307-b-34-d	1	U		1	1	4154	0.046239
83	159	320-2307-b-34-e	ms	1	U	1	1	54687	0.465676
84	160	320-2307-b-34-f	msd	1	U	1	1	41660	0.357546
85	103	CCV	1	U		1	1	125349	1.052184
86	0	BLANK	1	BLNK		1	1	142	0.012939
B	0	Baseline	1	RB		1	1	0	0.011762 BL

Cup	Name	S	1:Time	1:Value	1:S
0	Baseline	C	12:17:23	0.01	[C]
102	Cal 5	C	12:19:23	2.01	[C]
103	Cal 4	C	12:21:23	0.99	[C]
104	Cal 3	C	12:23:24	0.39	[C]
105	Cal 2	C	12:25:24	0.20	[C]
106	Cal 1	C	12:27:24	0.05	[C]
0	Cal 0	C	12:29:24	0.01	[C]
107	ICV	-	12:31:24	0.98	[-]
0	BLANK/ICB	C	12:33:24	0.01	[C]
106	MRL	-	12:35:25	0.05	[-]
108	N02 1PPM	-	12:37:25	0.96	[-]
109	N03 1PPM	-	12:39:25	0.98	[-]
0	Blank	C	12:41:25	0.01	[C]
0	Baseline	C	12:43:25	0.01	[C]
113	mb 320-14670/1-b	-	12:45:26	0.02	[-]
114	lcs 320-14670/2-b	-	12:47:26	0.95	[-]
115	240-22648-f-13-d	-	12:49:26	0.07	[-]
116	240-22648-f-29-d	-	12:51:26	0.05	[-]
117	240-22648-f-30-d	-	12:53:26	0.04	[-]
118	240-22648-f-36-d	-	12:55:26	0.05	[-]
106	MRL	-	12:57:27	0.06	[-]
103	CCV	-	12:59:27	1.02	[-]
0	BLANK	C	13:01:27	0.02	[C]
0	Baseline	C	13:03:27	0.01	[C]
119	240-22648-f-38-d	-	13:05:27	0.03	[-]
120	240-22648-f-40-d	-	13:07:27	0.02	[-]
121	240-22648-f-43-d	-	13:09:28	0.02	[-]
122	240-22648-f-53-d	-	13:11:28	0.03	[-]
123	240-22663-f-4-h	-	13:13:28	0.02	[-]
124	240-22663-f-7-d	-	13:15:28	0.02	[-]
125	240-22663-f-17-d	-	13:17:28	0.03	[-]
126	240-22663-f-26-d	-	13:19:29	0.02	[-]
127	240-22663-f-28-d	-	13:21:29	0.08	[-]
128	240-22804-f-4-d	-	13:23:29	0.02	[-]
106	MRL	-	13:25:29	0.06	[-]
103	CCV	-	13:27:29	1.02	[-]
0	BLANK	C	13:29:29	0.01	[C]
0	Baseline	C	13:31:30	0.01	[C]
129	240-22852-g-1-j	-	13:33:30	0.03	[-]
130	240-22852-g-1-k ms	-	13:35:30	0.36	[-]
131	240-22852-g-1-l msd	-	13:37:30	0.34	[-]
106	MRL	-	13:39:30	0.06	[-]
103	CCV	-	13:41:30	1.02	[-]
0	BLANK	C	13:43:31	0.01	[C]
0	Baseline	C	13:45:31	0.01	[C]
132	mb 320-14751/1-b	-	13:47:31	0.02	[-]
133	lcs 320-14751/2-b	-	13:49:31	0.62	[-]
134	320-2137-a-1-m	-	13:51:31	0.26	[-]
135	320-2137-a-1-n ms	-	13:53:31	1.00	[-]
136	320-2137-a-1-o msd	-	13:55:32	1.10	[-]
103	CCV	-	13:57:32	1.02	[-]
0	BLANK	C	13:59:32	0.01	[C]
0	Baseline	C	14:01:32	0.01	[C]
137	mb 320-14749/1-b	-	14:03:32	0.02	[-]
138	lcs 320-14749/2-b	-	14:05:32	0.86	[-]
139	320-2307-a-19-b	-	14:07:33	0.03	[-]
140	320-2307-a-20-b	-	14:09:33	0.04	[-]
141	320-2307-a-21-b	-	14:11:33	0.05	[-]
142	320-2307-a-22-b	-	14:13:33	0.35	[-]
143	320-2307-a-23-b	-	14:15:33	0.41	[-]
144	320-2307-a-24-b	-	14:17:34	0.24	[-]
145	320-2307-a-25-b	-	14:19:34	0.12	[-]
146	320-2307-b-25-c ms	-	14:21:34	0.54	[-]
103	CCV	-	14:23:34	1.06	[-]
0	BLANK	C	14:25:34	0.01	[C]
0	Baseline	C	14:27:34	0.01	[C]
147	320-2307-b-25-d msd	-	14:29:35	0.53	[-]
148	320-2307-b-26-b	-	14:31:35	0.05	[-]
149	320-2307-a-27-b	-	14:33:35	0.04	[-]
150	320-2307-a-28-b	-	14:35:35	0.04	[-]
151	320-2307-a-29-b	-	14:37:35	0.04	[-]
152	320-2307-a-30-b	-	14:39:35	0.05	[-]
153	320-2307-a-31-c	-	14:41:36	0.04	[-]
154	320-2307-a-31-d ms	-	14:43:36	0.54	[-]
155	320-2307-b-31-b msd	-	14:45:36	0.43	[-]
156	320-2307-b-32-b	-	14:47:36	0.04	[-]

103	CCV	-	14:49:36	1.06	[-]
0	BLANK	C	14:51:37	0.01	[C]
0	Baseline	C	14:53:37	0.01	[C]
157	320-2307-b-33-b	-	14:55:37	0.05	[-]
158	320-2307-b-34-d	-	14:57:37	0.05	[-]
159	320-2307-b-34-e	ms -	14:59:37	0.47	[-]
160	320-2307-b-34-f	msd -	15:01:37	0.36	[-]
103	CCV	-	15:03:38	1.05	[-]
0	BLANK	C	15:05:38	0.01	[C]
0	Baseline	C	15:07:38	0.01	[C]

File name: Z:\GENCHEM\ALPKEM~2\2013\NITROC~1\042313A.RST

Date: 23-Apr-13

Operator: JRS

* Name	Conc	Height
* Cal 5	2.000000	240248.328125
* Cal 4	1.000000	118042.242188
* Cal 3	0.400000	45997.898438
* Cal 2	0.200000	22161.398438
* Cal 1	0.050000	4990.754883
* Cal 0	0.000000	-194.564941

Calib Coef:

y=bx+a

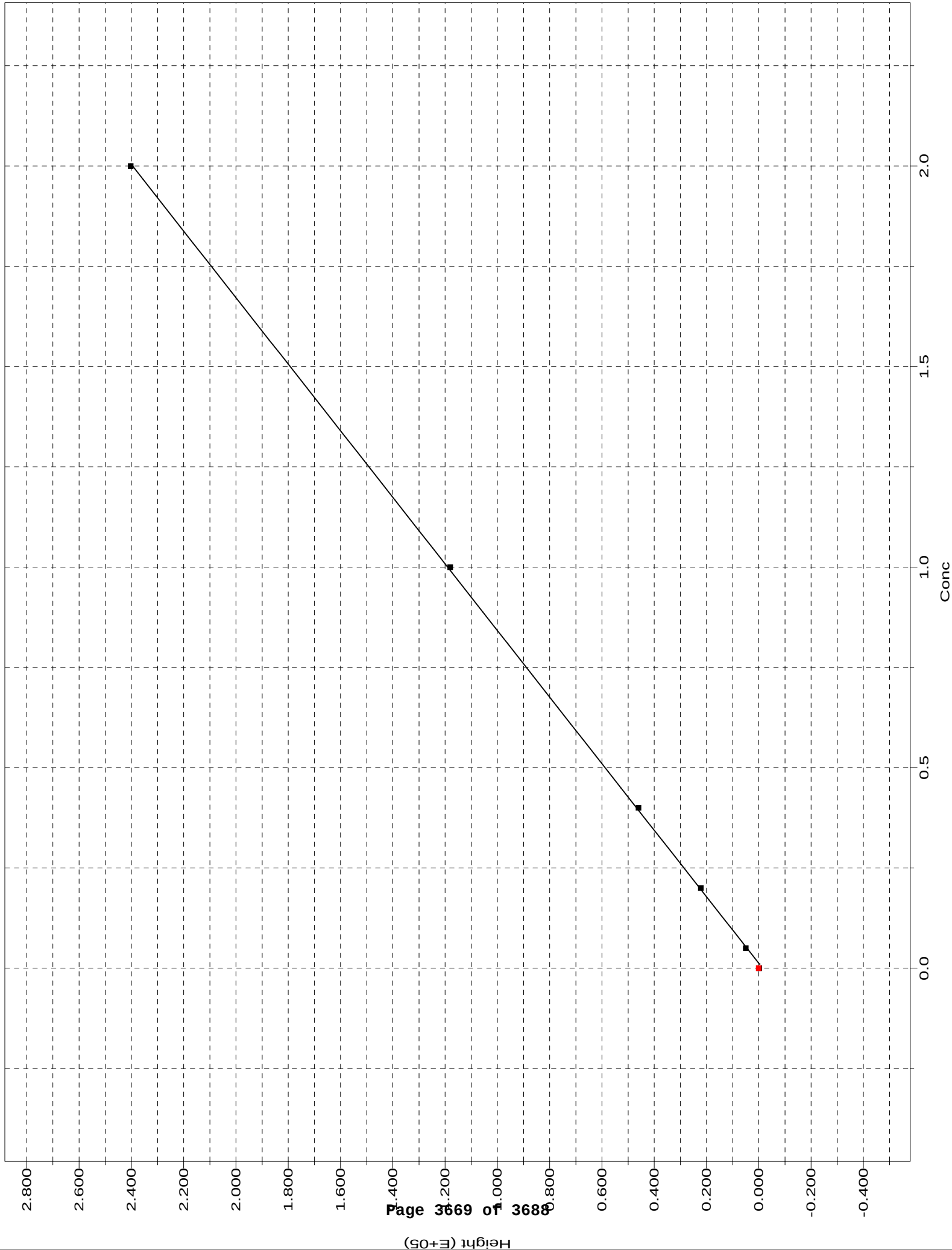
a: (intercept) -1.4171e+03

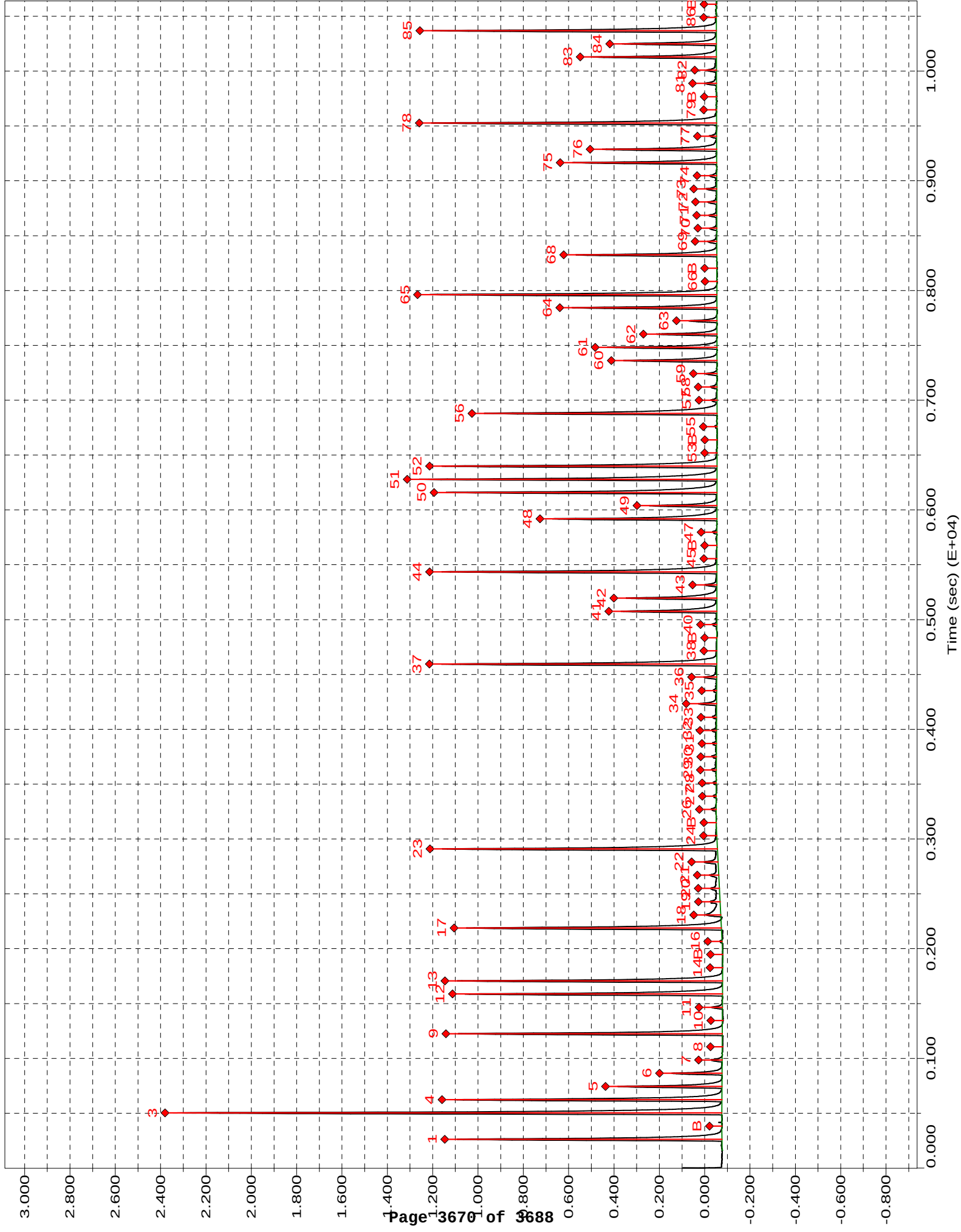
b: 1.2048e+05

Corr Coef: 0.999953

Carryover: n/a

No Drift Peaks





GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-22804-1

SDG No.: _____

Batch Number: 80759 Batch Start Date: 04/05/13 10:34 Batch Analyst: Kuhle, JulieBatch Method: Moisture Batch End Date: 04/08/13 09:45

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
240-22804-A-2	074SB-0013-0001-SO	Moisture	T	4.4306 g	17.6445 g	15.5299 g			
240-22804-A-3	074SB-0015-0001-SO	Moisture	T	4.4306 g	20.5672 g	17.9959 g			
240-22804-D-4	074SB-0010-0001-SO	Moisture	T	4.4306 g	10.9714 g	9.9800 g			
240-22804-A-5	074SB-0012-0001-SO	Moisture	T	4.4306 g	19.5375 g	16.8701 g			
240-22804-A-6	074SB-0023-0001-SO	Moisture	T	4.4306 g	21.0197 g	17.7980 g			
240-22804-A-7	074SB-0024-0001-SO	Moisture	T	4.4306 g	20.8323 g	18.3025 g			
240-22804-A-8	074SB-0025-0001-SO	Moisture	T	4.4306 g	21.3320 g	17.8252 g			
240-22804-A-9	074SB-0026-0001-SO	Moisture	T	4.4306 g	12.2885 g	10.6317 g			
240-22804-A-9 DU	074SB-0026-0001-SO	Moisture	T	4.4306 g	12.4955 g	10.7649 g			
240-22804-A-10	074SB-0027-0001-SO	Moisture	T	4.4306 g	12.5527 g	11.3099 g			
240-22804-A-10 DU	074SB-0027-0001-SO	Moisture	T	4.4306 g	11.1758 g	10.1353 g			

Batch Notes	
Balance ID	B047 No Unit
Date samples were placed in the oven	4/05/13
Oven Temp when samples are put in oven	101.7 Degrees C
Time samples were place in the oven	11:00
Date samples were removed from oven	4/8/13
Oven Temp when samples removed from oven	102.5 Degrees C
Time Samples were removed from oven	4:55
Oven ID	002
ID number of the thermometer	TEMPGUARD BOX C #6

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Moisture

Page 1 of 1

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1

SDG No.: _____

Batch Number: 13864 Batch Start Date: 04/09/13 06:35 Batch Analyst: Phan, TuanBatch Method: 353.2 (NCell) Batch End Date: 04/09/13 12:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	HPNCSP 00008			
MB 320-13864/1		353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050		100 mL	50 mL				
LCS 320-13864/2		353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050		100 mL	50 mL	1 mL			
240-22804-P-11	079RN-0317-0001-RN	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	100 mL	50 mL				

Batch Notes	
Acetone Lot #	baker 0000010624
Batch Comment	BRIJ SOLUTION SIGMA 100M6013
Centrifuge Tube	BD FALCOM 2142558
Membrane Filter	MILIIPORE R2JA47614
Millipore Water Dispense Date	4/5/13

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1

SDG No.: _____

Batch Number: 13964 Batch Start Date: 04/10/13 05:10 Batch Analyst: Phan, TuanBatch Method: 353 (NCell-Hyd) Batch End Date: 04/10/13 09:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount				
MB 320-13864/1-A		353 (NCell-Hyd), WS-WC-0050		50 mL	40 mL				
LCS 320-13864/2-A		353 (NCell-Hyd), WS-WC-0050		50 mL	40 mL				
240-22804-P-11-A	079RN-0317-0001-RN	353 (NCell-Hyd), WS-WC-0050	T	50 mL	40 mL				

Batch Notes	
0.45 Filter Vendor/Lot	MILLIPORE R2SA72748
Batch Comment	BRIJ SOLUTION SIGMA 100M6013
Centrifuge Tube	BD FALCOM 2142558
Sulfuric Acid Lot Number	Sulfuric Acid_00001
Millipore Water Dispense Date	4/5/13
NaOH Lot #	1NNaOH_00002

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1

SDG No.: _____

Batch Number: 14024 Batch Start Date: 04/10/13 10:48 Batch Analyst: Stredny, JosephBatch Method: WS-WC-0050 Batch End Date: 04/10/13 12:36

Lab Sample ID	Client Sample ID	Method Chain	Basis	WC-353.2-ICV 00021	WC-353.2-L4 00015				
ICV 320-14024/8		WS-WC-0050		# mL					
CCV 320-14024/34		WS-WC-0050			# mL				
CCV 320-14024/47		WS-WC-0050			# mL				

Batch Notes	
Nitrocellulose Assay	0.119
Color Reagent 1 ID	4525-WC-21-3, Exp. 7/5/13
NO2/NO3 Indicator ID #	4525-WC-21-1 e. 5.31.13

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1

SDG No.: _____

Batch Number: 14670 Batch Start Date: 04/19/13 06:02 Batch Analyst: Phan, TuanBatch Method: 353.2 (NCell) Batch End Date: 04/19/13 11:15

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	HPNCSP 00008			
MB 320-14670/1		353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050		10.00 g	45 mL				
LCS 320-14670/2		353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050		10.00 g	45 mL	1 mL			
240-22804-F-4	074SB-0010-0001-SO	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	10.04 g	45 mL				

Batch Notes	
1:1 MeOH/H2O	HPMeOH/H2O_00010
Acetone Lot #	BAKER 0000010624
Centrifuge Tube	BD FALCOM 2142558

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1

SDG No.: _____

Batch Number: 14752 Batch Start Date: 04/22/13 05:45 Batch Analyst: Phan, TuanBatch Method: 353 (NCell-Hyd) Batch End Date: 04/22/13 09:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount				
MB 320-14670/1-A		353 (NCell-Hyd), WS-WC-0050		45 mL	40 mL				
LCS 320-14670/2-A		353 (NCell-Hyd), WS-WC-0050		45 mL	40 mL				
240-22804-F-4-C	074SB-0010-0001-SO	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				

Batch Notes	
0.45 Filter Vendor/Lot	MILLIPORE R2SA72748
Centrifuge Tube	BD FALCOM 2142558
Sulfuric Acid Lot Number	Sulfuric Acid_00001
Millipore Water Dispense Date	4/21/13
NaOH Lot #	1NNaOH_00002

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22804-1

SDG No.: _____

Batch Number: 14914 Batch Start Date: 04/23/13 12:17 Batch Analyst: Stredny, JosephBatch Method: WS-WC-0050 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	WC-353.2-ICV 00022	WC-353.2-L1 00022	WC-353.2-L4 00016			
ICV 320-14914/8		WS-WC-0050		# mL					
MRL 320-14914/10		WS-WC-0050			# mL				
MRL 320-14914/21		WS-WC-0050			# mL				
CCV 320-14914/22		WS-WC-0050				# mL			
CCV 320-14914/36		WS-WC-0050				# mL			
CCV 320-14914/43		WS-WC-0050				# mL			

Batch Notes	
Nitrocellulose Assay	0.119
Color Reagent 1 ID	4525-wc-21-3, Exp: 07/5/13
NO2/NO3 Indicator ID #	4525-WC-21-7, Exp: 05/31/13

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Subcontract Data

Shipping and Receiving Documents

TestAmerica Laboratory location:
Regulatory program:

Client Contact		Company Name: ECL		Address: 33 BOSTON POST RD 04420		City/State/Zip: MARLBORO MA		Phone: 508-251-1100		Project Name: RAVENNA		Project Number: 07858-0059-0001-10W		PO #	
Client Project Manager: A. EASTMAN		Site Contact: J. DORRAN		Telephone: 508-251-1100		Email:		Method of Shipment/Carrier: LAB PICK UP		Shipping/Tracking No:		Sample Date: 4-3-13		Sample Time: 1000	
Possible Hazard Identification		Flammable		Skin Irritant		Poison B		Unknown		Sample Disposal (A fee may be assessed if samples are retained long.)		Return to Client		Disposal By Lab	
Special Instructions/QC Requirements & Comments:		07858-0059-0001-10W IS A2 YOLP SAMPLE		141X		4-3-13-1500		Received by: J. Dorran		Date/Time: 4-3-13 1500		Company: ECL		Date/Time: 4-3-13 1500	
Reinforced by: J. Dorran		Reinforced by: J. Dorran		Reinforced by: J. Dorran		Reinforced by: J. Dorran		Reinforced by: J. Dorran		Reinforced by: J. Dorran		Reinforced by: J. Dorran		Reinforced by: J. Dorran	
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Reinforced by: J. Dorran		Reinforced by: J. Dorran		Reinforced by: J. Dorran		Reinforced by: J. Dorran		Reinforced by: J. Dorran		Reinforced by: J. Dorran		Reinforced by: J. Dorran		Reinforced by: J. Dorran	
Reinforced by: J. Dorran		Reinforced by: J. Dorran		Reinforced by: J. Dorran		Reinforced by: J. Dorran		Reinforced by: J. Dorran		Reinforced by: J. Dorran		Reinforced by: J. Dorran		Reinforced by: J. Dorran	
Reinforced by: J. Dorran		Reinforced by: J. Dorran		Reinforced by: J. Dorran		Reinforced by: J. Dorran		Reinforced by: J. Dorran		Reinforced by: J. Dorran		Reinforced by: J. Dorran		Reinforced by: J. Dorran	
Reinforced by: J. Dorran		Reinforced by: J. Dorran		Reinforced by: J. Dorran		Reinforced by: J. Dorran		Reinforced by: J. Dorran		Reinforced by: J. Dorran		Reinforced by: J. Dorran		Reinforced by: J. Dorran	
Reinforced by: J. Dorran		Reinforced by: J. Dorran		Reinforced by: J. Dorran		Reinforced by: J. Dorran		Reinforced by: J. Dorran		Reinforced by: J. Dorran		Reinforced by: J. Dorran		Reinforced by: J. Dorran	
Reinforced by: J. Dorran		Reinforced by: J. Dorran		Reinforced by: J. Dorran		Reinforced by: J. Dorran		Reinforced by: J. Dorran		Reinforced by: J. Dorran		Reinforced by: J. Dorran		Reinforced by: J. Dorran	
Reinforced by: J. Dorran		Reinforced by: J. Dorran		Reinforced by: J. Dorran		Reinforced by: J. Dorran		Reinforced by: J. Dorran		Reinforced by: J. Dorran		Reinforced by: J. Dorran		Reinforced by: J. Dorran	
Reinforced by: J. Dorran		Rein													

Chain of Custody Record

TAL-4142 (0408)

Client: ELL	Project Manager: A. Eustard	Date: 4-3-13	Chain of Custody Number: 008874
Address: 55 Boston Post Rd W #420	Telephone Number (Area Code)/Fax Number: (603) 229-2210	Lab Number: 43-13	Page 2 of 3
City: MA	State: MA	Zip Code: 01752	
Project Name and Location (State): RAVENNA - D+H	Site Contact: J. Donovan	Lab Contact: Mark Webb	
Carrier/Order/Quote No.:	Carrier/Order/Quote No.:	Carrier/Order/Quote No.:	

Analysis (Attach list if more space is needed)

Special Instructions/Conditions of Receipt

Contract/Purchase Order/Quote No.			Matrix				Containers & Preservatives						Conditions of Receipt									
Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	SVOCs	TPH/ID	VOC	PCB	pesticide	PAHs	Total met	Pesticide		
014SB-0013-0001-SO	4/2/13	1737				X	X						X	X								
014SB-0015-0001-SO	4/2/13	1740											X	X								
-0010-0001-SO	4/3/13	1140											X	X								
-0011-0001-SO																						
-0012-0001-SO	4/3/13	1231											X	X								
-0023-0001-SO	4/2/13	1625											X	X								
-0024-0001-SO	4/2/13	1650											X	X								
-0025-0001-SO	4/2/13	1735											X	X								
-0026-0001-SO	4/3/13	1134											X	X								
-0027-0001-SO	4/3/13	1205											X	X								

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

QC Requirements (Specify)

1. Relinquished By: Jay Am	Date: 4-3-13	Time: 1700	1. Received By: KE	Date: 4-3-13	Time: 1700
2. Relinquished By: FC	Date: 4-3-13	Time: 1702	2. Received By: Wendell Green	Date: 4-4-13	Time: 800
3. Relinquished By:	Date:	Time:	3. Received By:	Date:	Time:

Comments

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAI.0018-1 (04/10)

TestAmerica Canton Sample Receipt Form/Narrative

Login # :

22804

Client ECC

Site Name _____

By:

[Signature]

(Signature)

Cooler Received on 4-3-13Opened on 4-4-13FedEx: 1st Grd Exp UPS FAS Stetson Client Drop Off TestAmerica Courier Other _____TestAmerica Cooler # No # Foam Box Client Cooler Box Other _____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 0°C) Observed Sample Temp. _____ °C Corrected Sample Temp. _____ °C

IR GUN# 4G (CF +1°C) Observed Sample Temp. _____ °C Corrected Sample Temp. _____ °C

IR GUN# 5G (CF +1 °C) Observed Sample Temp. _____ °C Corrected Sample Temp. _____ °C

IR GUN# 8 (CF +1°C) Observed Sample Temp. _____ °C Corrected Sample Temp. _____ °C

☒ Multiple
on Back2. Were custody seals on the outside of the cooler(s)? If Yes Quantity 0 Yes No-Were custody seals on the outside of the cooler(s) signed & dated? Yes No NA-Were custody seals on the bottle(s)? Yes No3. Shippers' packing slip attached to the cooler(s)? Yes No4. Did custody papers accompany the sample(s)? Yes No5. Were the custody papers relinquished & signed in the appropriate place? Yes No6. Did all bottles arrive in good condition (Unbroken)? Yes No7. Could all bottle labels be reconciled with the COC? Yes No8. Were correct bottle(s) used for the test(s) indicated? Yes No9. Sufficient quantity received to perform indicated analyses? Yes No10. Were sample(s) at the correct pH upon receipt? Yes No NA CSL11. Were VOAs on the COC? Yes No12. Were air bubbles >6 mm in any VOA vials? Yes No NA13. 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).

What time was preservative added to sample(s)?

SOP: NC-SC-0005, Sample Receiving

C:\Documents and Settings\csc\Local Settings\Temporary Internet Files\OLK3A\COOLER_TestAmerica_Rev 89_040213.rls.doc

Page 3684 of 3688

Login Sample Receipt Checklist

Client: Environmental Chemical Corp.

Job Number: 240-22804-1

Login Number: 22804
List Number: 1
Creator: Watson, Debbie

List Source: TestAmerica Pittsburgh
List Creation: 04/05/13 12:27 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
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.	True	
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.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Environmental Chemical Corp.

Job Number: 240-22804-1

Login Number: 22804

List Number: 2

Creator: Kovitch, Christina M

List Source: TestAmerica Pittsburgh

List Creation: 04/24/13 01:48 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
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.	True	
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.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Environmental Chemical Corp.

Job Number: 240-22804-1

Login Number: 22804

List Number: 1

Creator: Peterson, Erik

List Source: TestAmerica Sacramento

List Creation: 04/05/13 11:20 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	-0.1
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?	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").	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: 240-22804-1

Login Number: 22804

List Number: 2

Creator: Peterson, Erik

List Source: TestAmerica Sacramento

List Creation: 04/05/13 11:20 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	-0.6
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?	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").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	