

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-21987-1
SDG No.: _____
Client Sample ID: 079-0007-0001-SOURCEWATER Lab Sample ID: 240-21987-1
Matrix: Water Lab File ID: P1000015.D
Analysis Method: 8151/DOD Date Collected: 03/14/2013 12:00
Extraction Method: 8151A Date Extracted: 03/18/2013 10:35
Sample wt/vol: 500 (mL) Date Analyzed: 03/22/2013 20:57
Con. Extract Vol.: 100 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: CLP-1 ID: 0.53 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 79197 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	76		32-112

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20130322-18190.b\P1000015.D
 Lims ID: 240-21987-J-1-A Client ID: 079-0007-0001-SOURCEWATER
 Inject. Date: 22-Mar-2013 20:57:49 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 240-0018190-015
 Misc. Info.:
 Operator: 001754 Instrument ID: A2HP1
 Injection Vol: 1.0 ul ALS Bottle#: 15
 Lims Batch ID: 79197 Lims Sample ID: 15
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCChrom\ChromData\A2HP1\20130322-18190.b\8151_1.m
 Last Update: 27-Mar-2013 11:19:55 Calib Date: 22-Mar-2013 19:24:11
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCChrom\ChromData\A2HP1\20130322-18190.b\P1000011.D
 Limit Group: GC 8151 DOD
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK004

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

5 Dalapon

1	1.195	1.201	-0.006	872783	0.001547	
2	1.386	1.371	0.015	427713	0.002750	
RPD = 56.00						

\$ 4 2,4-Dichlorophenylacetic acid

1	6.847	6.847	0.000	28560727	0.1515	
2	7.583	7.582	0.001	11610838	0.1711	
RPD = 12.19						

6 Dicamba

1	7.011					
2	7.748					

10 MCPP						1
1	7.295					
2	7.930					

9 MCPA						1
1	7.455					
2	8.180					

7 Dichlorprop

1	7.822					
2	8.534					

2 2,4-D						1
1	8.055					
2	8.889					

11 Pentachlorophenol						1
1	8.143					
2	9.178					

12 Silvex (2,4,5-TP)						1
1	8.907					
2	9.812					

Data File: \\NCChrom\ChromData\A2HP1\20130322-18190.b\P1000015.D

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

1 2,4,5-T

1 9.217

2 10.292

3 2,4-DB

1 9.834

2 10.940

8 Dinoseb

1 11.009

2 11.294

1

1

QC Flag Legend

Processing Flags

1 - Missing Peaks

Report Date: 27-Mar-2013 11:19:56

Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\P1000015.D

Injection Date: 22-Mar-2013 20:57:49

Limit Group: GC 8151 DOD

Client ID: 079-0007-0001-SOURCEWATER

Instrument ID: A2HP1

Lims Batch ID: 79197

Lims Sample ID: 15

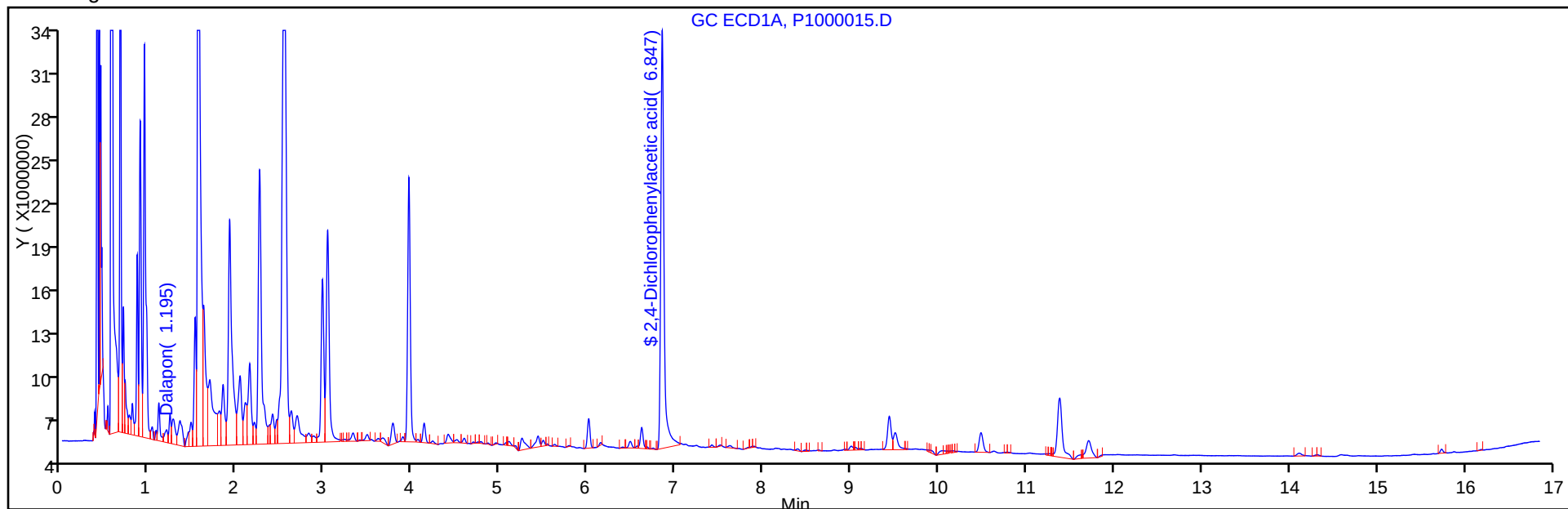
Operator ID: 001754

Injection Vol: 1.0 ul

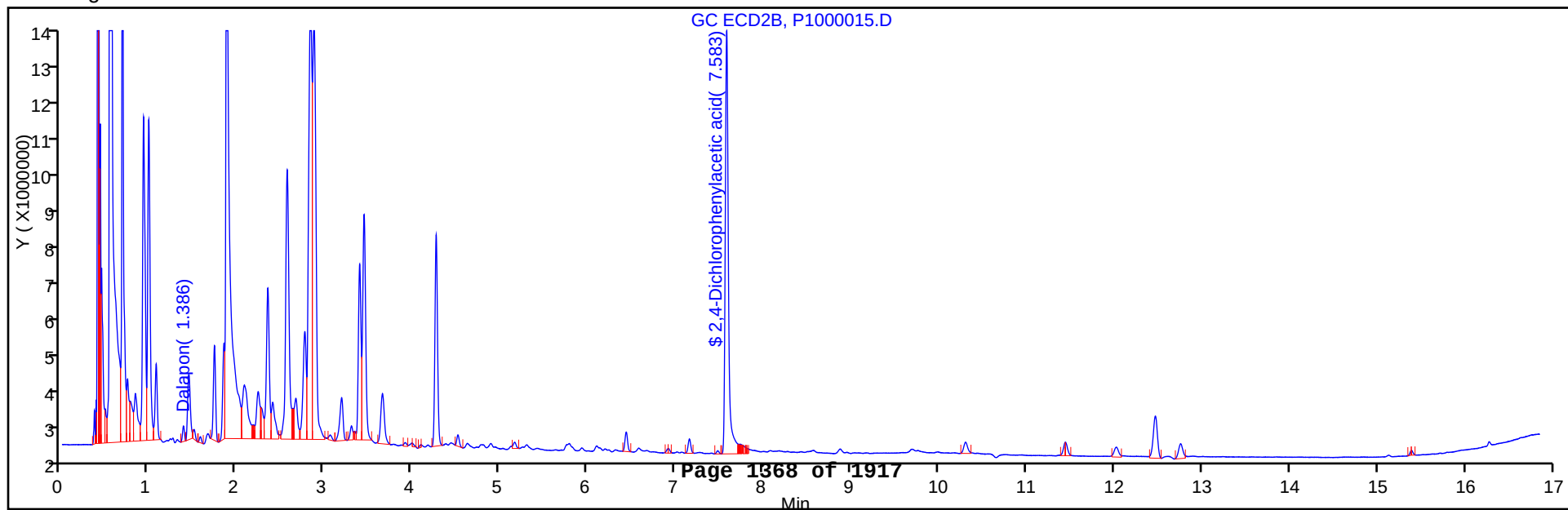
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-21987-1
 SDG No.: _____
 Client Sample ID: 079-0007-0001-SOURCEWATER Lab Sample ID: 240-21987-1
 Matrix: Water Lab File ID: P1000015.D
 Analysis Method: 8151/DOD Date Collected: 03/14/2013 12:00
 Extraction Method: 8151A Date Extracted: 03/18/2013 10:35
 Sample wt/vol: 500 (mL) Date Analyzed: 03/22/2013 20:57
 Con. Extract Vol.: 100 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: CLP-2 ID: 0.53 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 79197 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
94-75-7	2,4-D	0.50	U	4.0	0.50	0.41
75-99-0	Dalapon	0.55	J	2.0	0.20	0.17
94-82-6	2,4-DB	1.0	U	4.0	1.0	0.69
1918-00-9	Dicamba	1.0	U	2.0	1.0	0.52
120-36-5	Dichlorprop	1.0	U Q	4.0	1.0	0.86
88-85-7	Dinoseb	0.20	U	0.60	0.20	0.087
94-74-6	MCPA	400	U	400	400	390
93-65-2	MCPP	400	U	400	400	400
87-86-5	Pentachlorophenol	0.040	U	0.10	0.040	0.024
93-72-1	Silvex (2,4,5-TP)	0.20	U	1.0	0.20	0.20
93-76-5	2,4,5-T	0.50	U Q	1.0	0.50	0.30

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	86		32-112

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20130322-18190.b\P1000015.D
 Lims ID: 240-21987-J-1-A Client ID: 079-0007-0001-SOURCEWATER
 Inject. Date: 22-Mar-2013 20:57:49 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 240-0018190-015
 Misc. Info.:
 Operator: 001754 Instrument ID: A2HP1
 Injection Vol: 1.0 ul ALS Bottle#: 15
 Lims Batch ID: 79197 Lims Sample ID: 15
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCChrom\ChromData\A2HP1\20130322-18190.b\8151_1.m
 Last Update: 27-Mar-2013 11:19:55 Calib Date: 22-Mar-2013 19:24:11
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCChrom\ChromData\A2HP1\20130322-18190.b\P1000011.D
 Limit Group: GC 8151 DOD
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK004

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

5 Dalapon

1	1.195	1.201	-0.006	872783	0.001547	
2	1.386	1.371	0.015	427713	0.002750	
RPD = 56.00						

\$ 4 2,4-Dichlorophenylacetic acid

1	6.847	6.847	0.000	28560727	0.1515	
2	7.583	7.582	0.001	11610838	0.1711	
RPD = 12.19						

6 Dicamba

1	7.011					
2	7.748					

10 MCPP						1
1	7.295					
2	7.930					

9 MCPA						1
1	7.455					
2	8.180					

7 Dichlorprop

1	7.822					
2	8.534					

2 2,4-D						1
1	8.055					
2	8.889					

11 Pentachlorophenol						1
1	8.143					
2	9.178					

12 Silvex (2,4,5-TP)						1
1	8.907					
2	9.812					

Data File: \\NCChrom\ChromData\A2HP1\20130322-18190.b\P1000015.D

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

1 2,4,5-T

1 9.217

2 10.292

3 2,4-DB

1 9.834

2 10.940

8 Dinoseb

1 11.009

2 11.294

1

1

QC Flag Legend

Processing Flags

1 - Missing Peaks

Report Date: 27-Mar-2013 11:19:56

Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\P1000015.D

Injection Date: 22-Mar-2013 20:57:49

Limit Group: GC 8151 DOD

Client ID: 079-0007-0001-SOURCEWATER

Instrument ID: A2HP1

Lims Batch ID: 79197

Lims Sample ID: 15

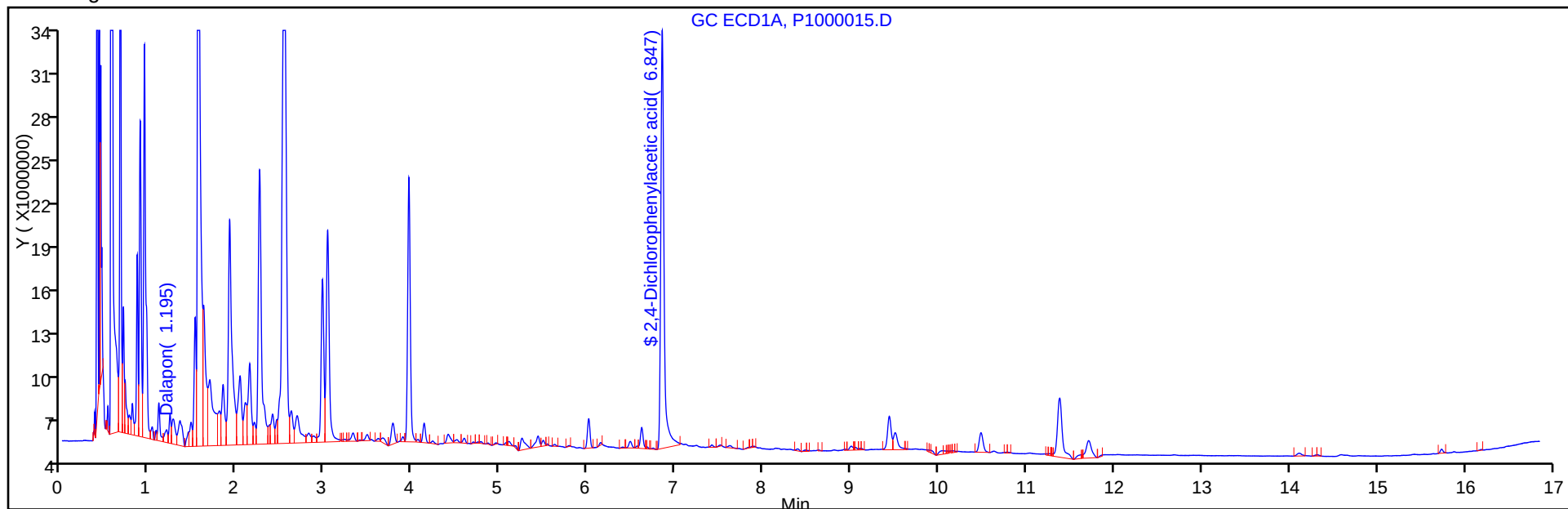
Operator ID: 001754

Injection Vol: 1.0 ul

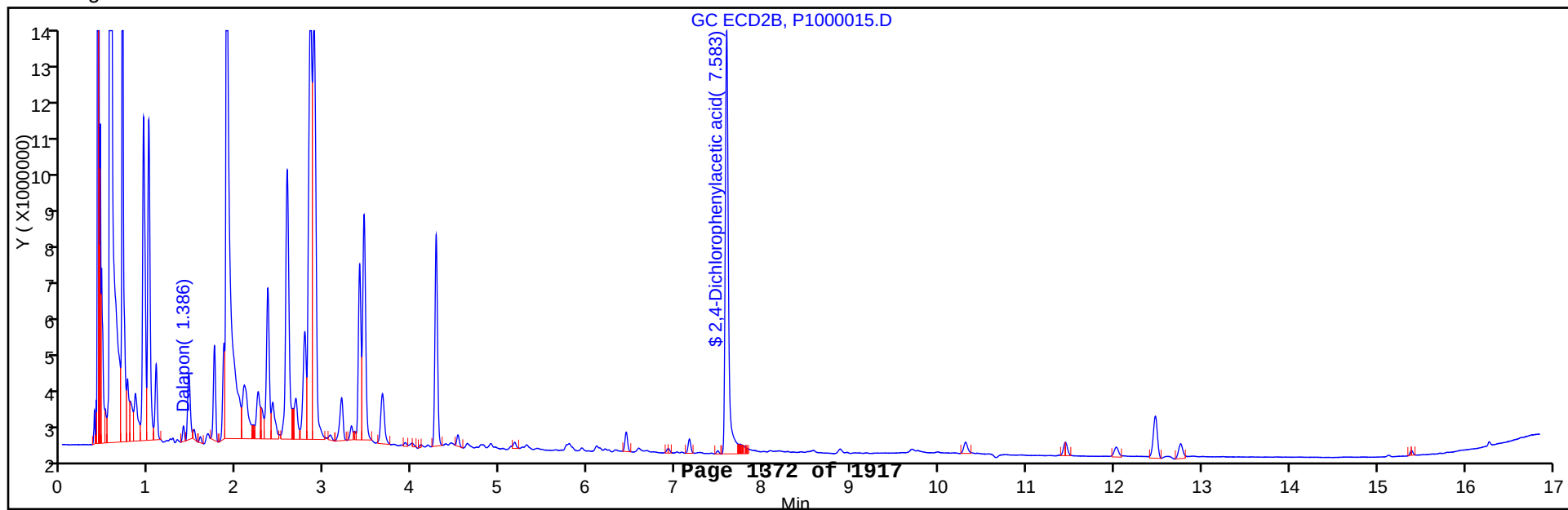
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-21987-1 Analy Batch No.: 78658

SDG No.: _____

Instrument ID: A2HP1 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2013 20:16 Calibration End Date: 03/18/2013 22:13 Calibration ID: 14172

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-78658/13	P1000013.D
Level 2	STD 240-78658/14	P1000014.D
Level 3	STD 240-78658/15	P1000015.D
Level 4	STD 240-78658/16	P1000016.D
Level 5	STD 240-78658/17	P1000017.D
Level 6	STD 240-78658/18	P1000018.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Pentachlorophenol	8.144	8.145	8.144	8.143	8.143	8.143					8.124 - 8.164	8.144

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-21987-1 Analy Batch No.: 78658

SDG No.: _____

Instrument ID: A2HP1 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2013 20:16 Calibration End Date: 03/18/2013 22:13 Calibration ID: 14172

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-78658/13	P1000013.D
Level 2	STD 240-78658/14	P1000014.D
Level 3	STD 240-78658/15	P1000015.D
Level 4	STD 240-78658/16	P1000016.D
Level 5	STD 240-78658/17	P1000017.D
Level 6	STD 240-78658/18	P1000018.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Pentachlorophenol	4495756000 2675875025	3239618400 2523538100	2866764500	2697126300	Lin1	1242927.88	2588531336							0.9980		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-21987-1 Analy Batch No.: 78658

SDG No.: _____

Instrument ID: A2HP1 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2013 20:16 Calibration End Date: 03/18/2013 22:13 Calibration ID: 14172

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-78658/13	P1000013.D
Level 2	STD 240-78658/14	P1000014.D
Level 3	STD 240-78658/15	P1000015.D
Level 4	STD 240-78658/16	P1000016.D
Level 5	STD 240-78658/17	P1000017.D
Level 6	STD 240-78658/18	P1000018.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Pentachlorophenol	Lin1	2247878 201883048	16198092	28667645	53942526	107035001	0.000500 0.0800	0.00500	0.0100	0.0200	0.0400

Curve Type Legend:

Lin1 = Linear 1/Conc by Height

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20130318-18061.b\P1000013.D
Lims ID: Std PCP1 Client ID:
Inject. Date: 18-Mar-2013 20:16:57 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0018061-013
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 13
Lims Batch ID: 78658 Lims Sample ID: 13
Sublist: chrom-8151_1*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b
Method: \\NCChrom\ChromData\A2HP1\20130318-18061.b\8151_1.m
Last Update: 19-Mar-2013 09:19:32 Calib Date: 18-Mar-2013 22:13:58
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20130318-18061.b\P1000018.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK035

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

11 Pentachlorophenol

1	8.144	8.144	0.000	2247878	0.000388	
2	9.178	9.177	0.001	527681	0.000527	

RPD = 30.41

Report Date: 19-Mar-2013 09:19:32

Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20130318-18061.b\P1000013.D

Injection Date: 18-Mar-2013 20:16:57

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 78658

Lims Sample ID: 13

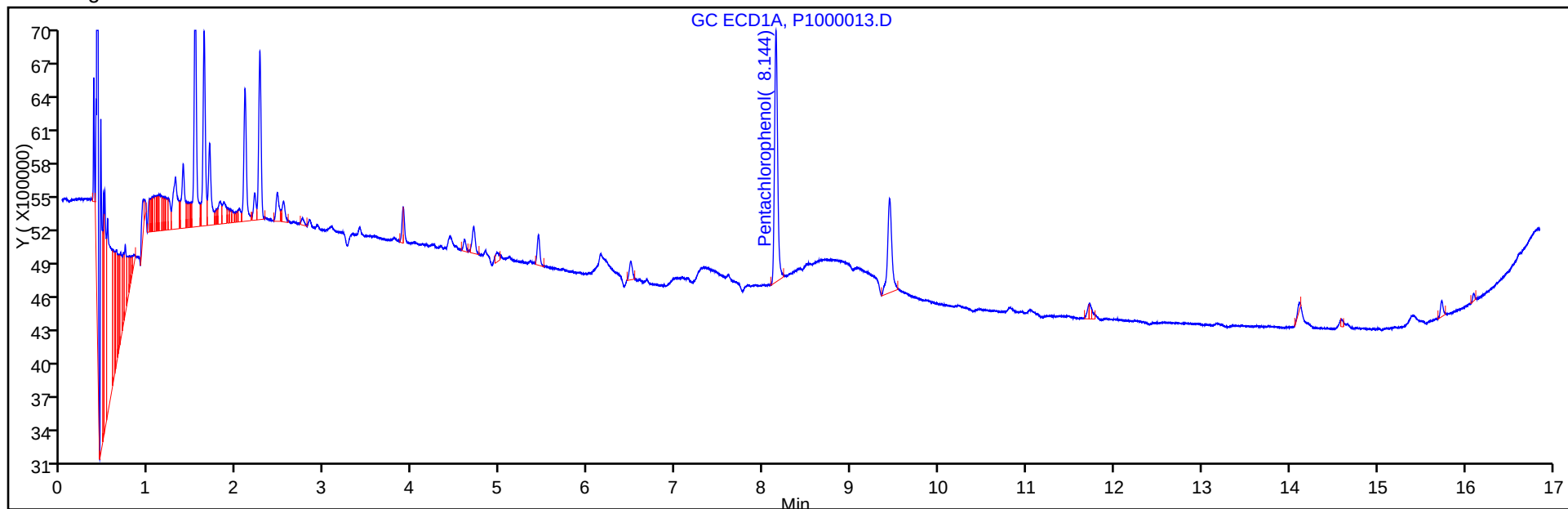
Operator ID: 001754

Injection Vol: 1.0 ul

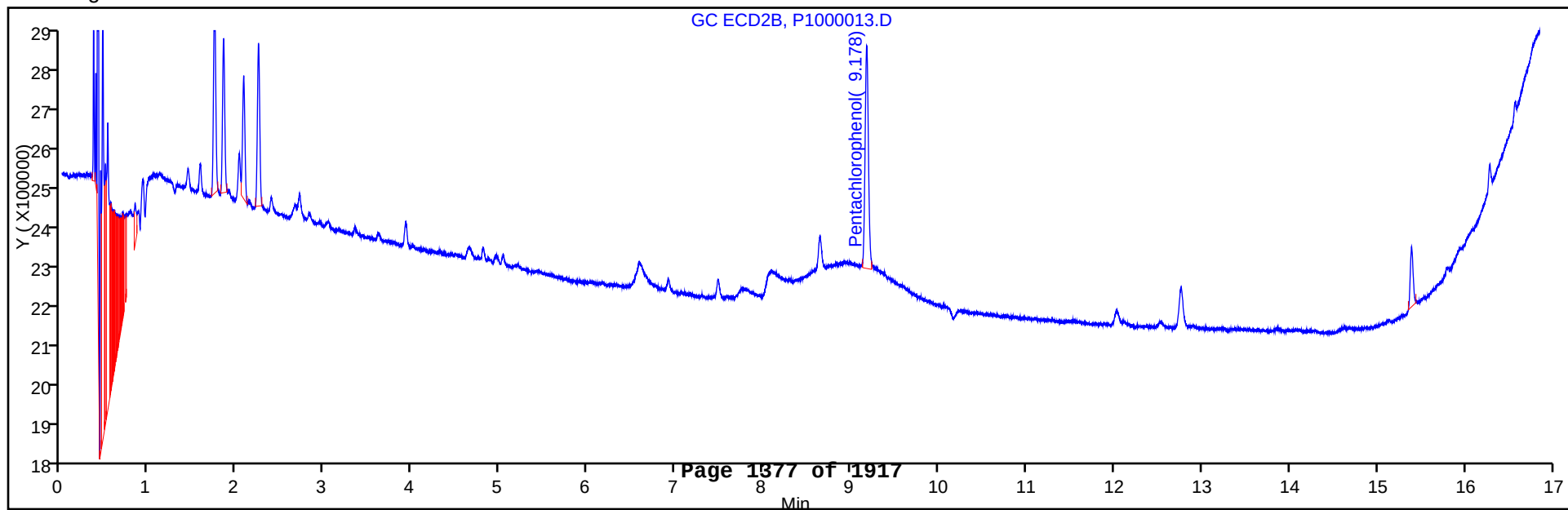
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20130318-18061.b\P1000014.D
Lims ID: Std PCP2 Client ID:
Inject. Date: 18-Mar-2013 20:40:17 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0018061-014
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 14
Lims Batch ID: 78658 Lims Sample ID: 14
Sublist: chrom-8151_1*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b
Method: \\NCChrom\ChromData\A2HP1\20130318-18061.b\8151_1.m
Last Update: 19-Mar-2013 09:19:33 Calib Date: 18-Mar-2013 22:13:58
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20130318-18061.b\P1000018.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK035

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

11 Pentachlorophenol

1	8.145	8.144	0.001	16198092	0.005777	
2	9.177	9.177	0.000	5052620	0.005050	

RPD = 13.43

Report Date: 19-Mar-2013 09:19:33

Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20130318-18061.b\P1000014.D

Injection Date: 18-Mar-2013 20:40:17

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 78658

Lims Sample ID: 14

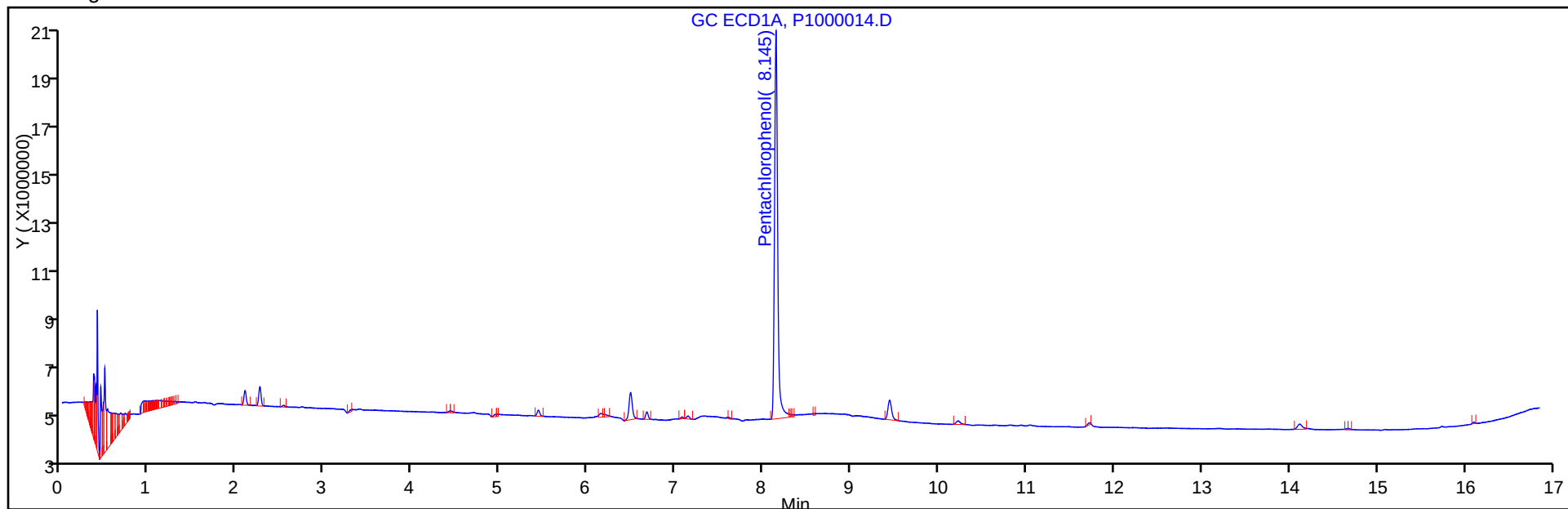
Operator ID: 001754

Injection Vol: 1.0 ul

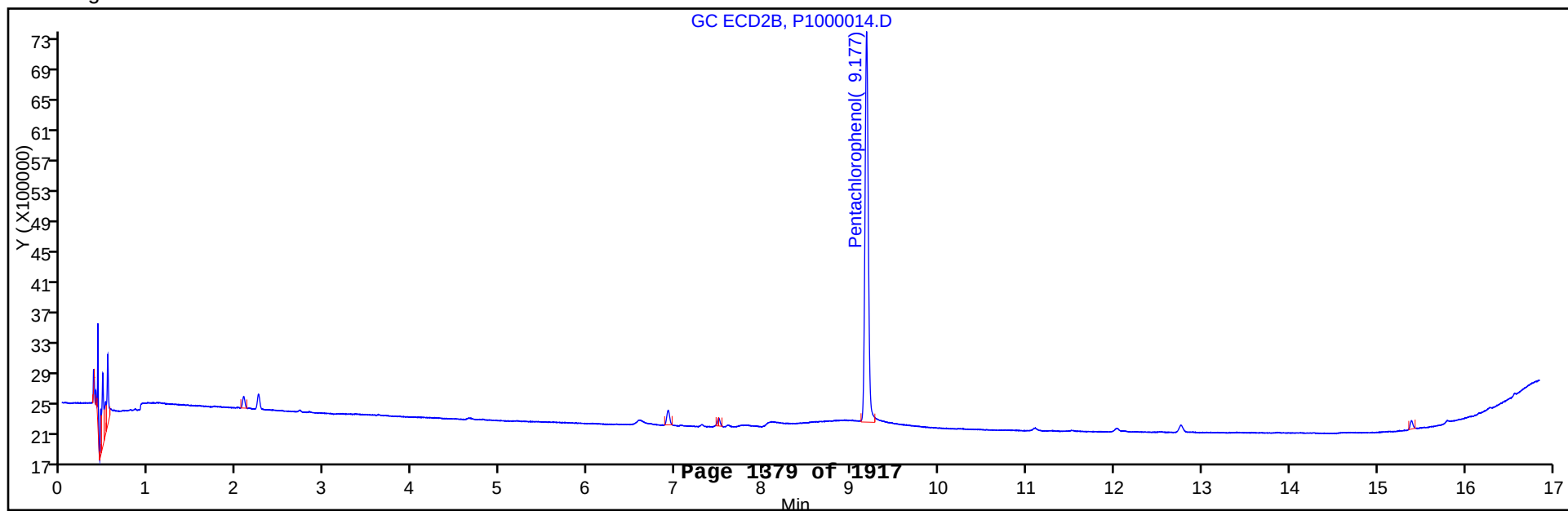
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20130318-18061.b\P1000015.D
Lims ID: Std PCP3 Client ID:
Inject. Date: 18-Mar-2013 21:03:42 Dil. Factor: 1.0000
Sample Type: ICRT Calib Level: 3
Sample ID: 240-0018061-015
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 15
Lims Batch ID: 78658 Lims Sample ID: 15
Sublist: chrom-8151_1*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b
Method: \\NCChrom\ChromData\A2HP1\20130318-18061.b\8151_1.m
Last Update: 19-Mar-2013 09:19:34 Calib Date: 18-Mar-2013 22:13:58
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20130318-18061.b\P1000018.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK035

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

11 Pentachlorophenol

1	8.144	8.144	0.000	28667645	0.0106	
2	9.177	9.177	0.000	10195902	0.0102	

RPD = 3.88

Report Date: 19-Mar-2013 09:19:34

Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCCchrom\ChromData\A2HP1\20130318-18061.b\P1000015.D

Injection Date: 18-Mar-2013 21:03:42

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 78658

Lims Sample ID: 15

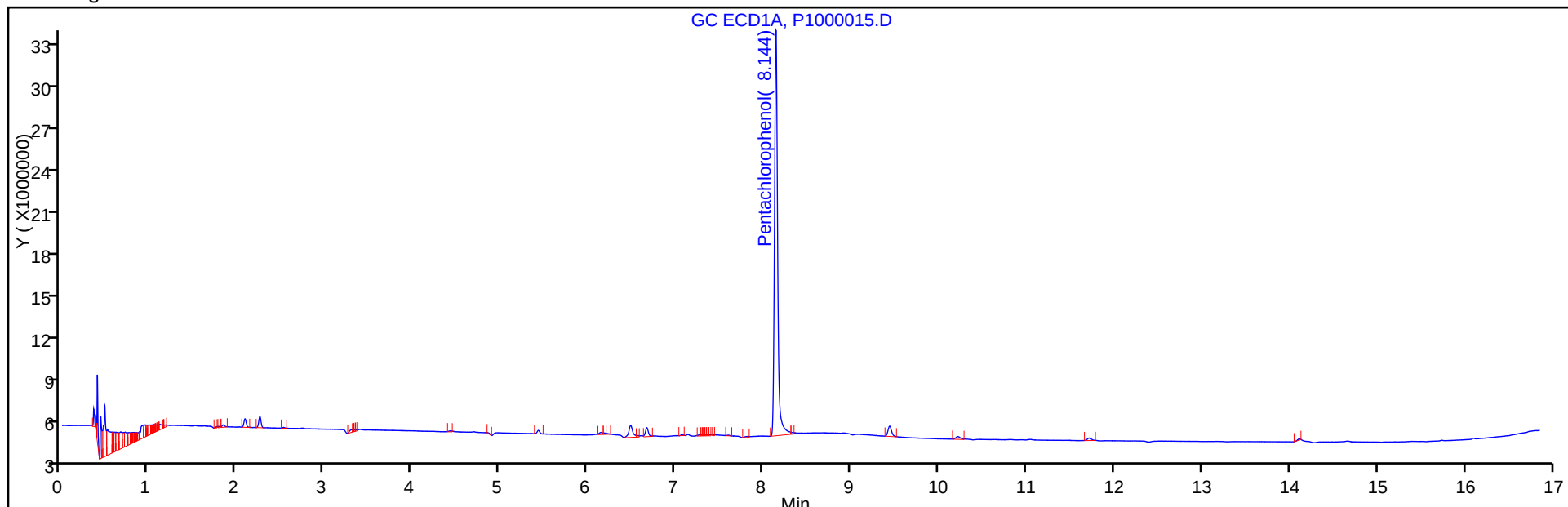
Operator ID: 001754

Injection Vol: 1.0 ul

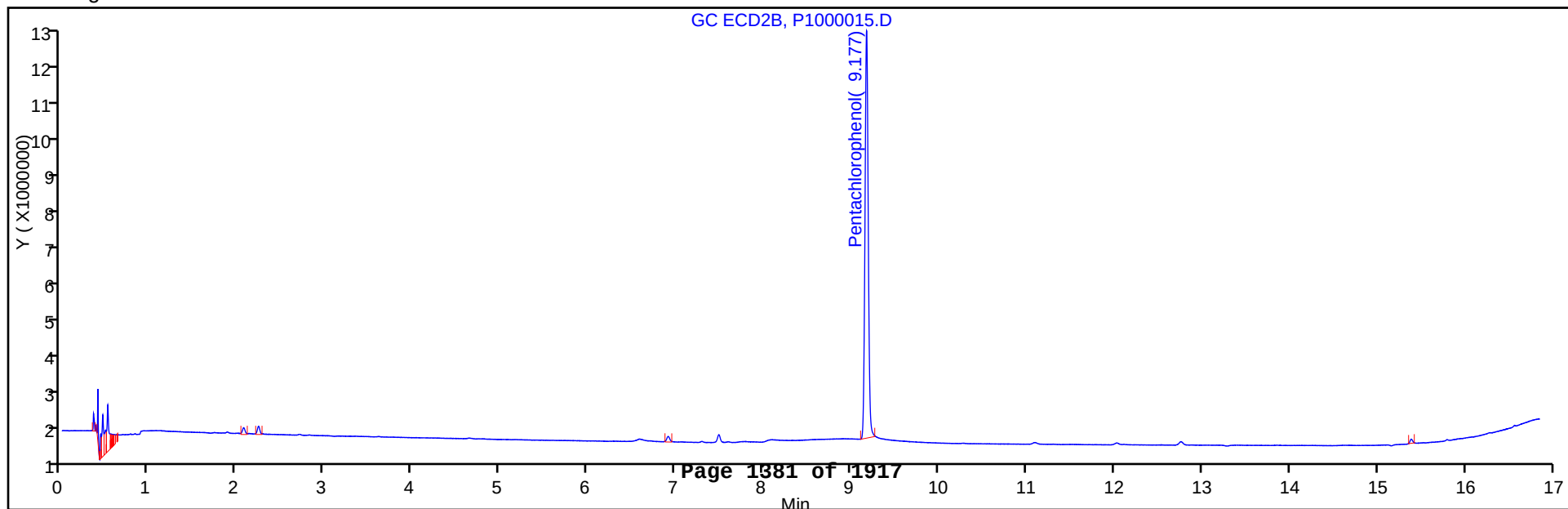
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20130318-18061.b\P1000016.D
Lims ID: Std PCP4 Client ID:
Inject. Date: 18-Mar-2013 21:27:10 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 240-0018061-016
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 16
Lims Batch ID: 78658 Lims Sample ID: 16
Sublist: chrom-8151_1*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b
Method: \\NCChrom\ChromData\A2HP1\20130318-18061.b\8151_1.m
Last Update: 19-Mar-2013 09:19:35 Calib Date: 18-Mar-2013 22:13:58
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20130318-18061.b\P1000018.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK035

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

11 Pentachlorophenol

1	8.143	8.144	-0.001	53942526	0.0204	
2	9.177	9.177	0.000	19805799	0.0198	

RPD = 2.80

Report Date: 19-Mar-2013 09:19:35

Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20130318-18061.b\P1000016.D

Injection Date: 18-Mar-2013 21:27:10

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 78658

Lims Sample ID: 16

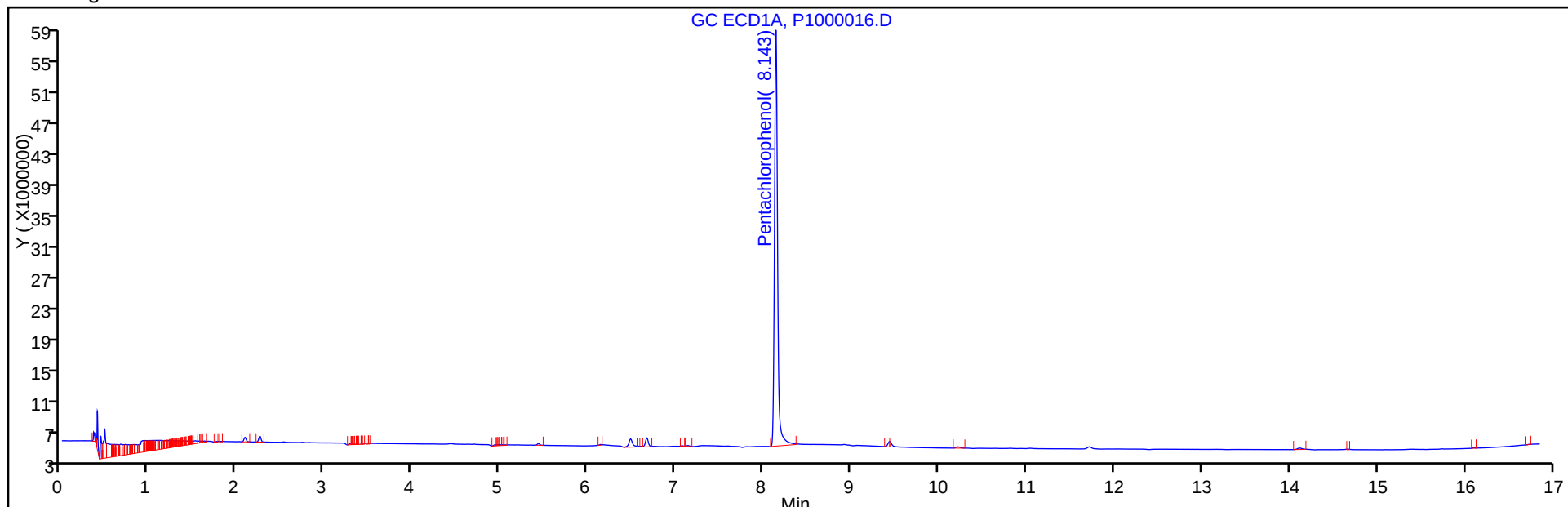
Operator ID: 001754

Injection Vol: 1.0 ul

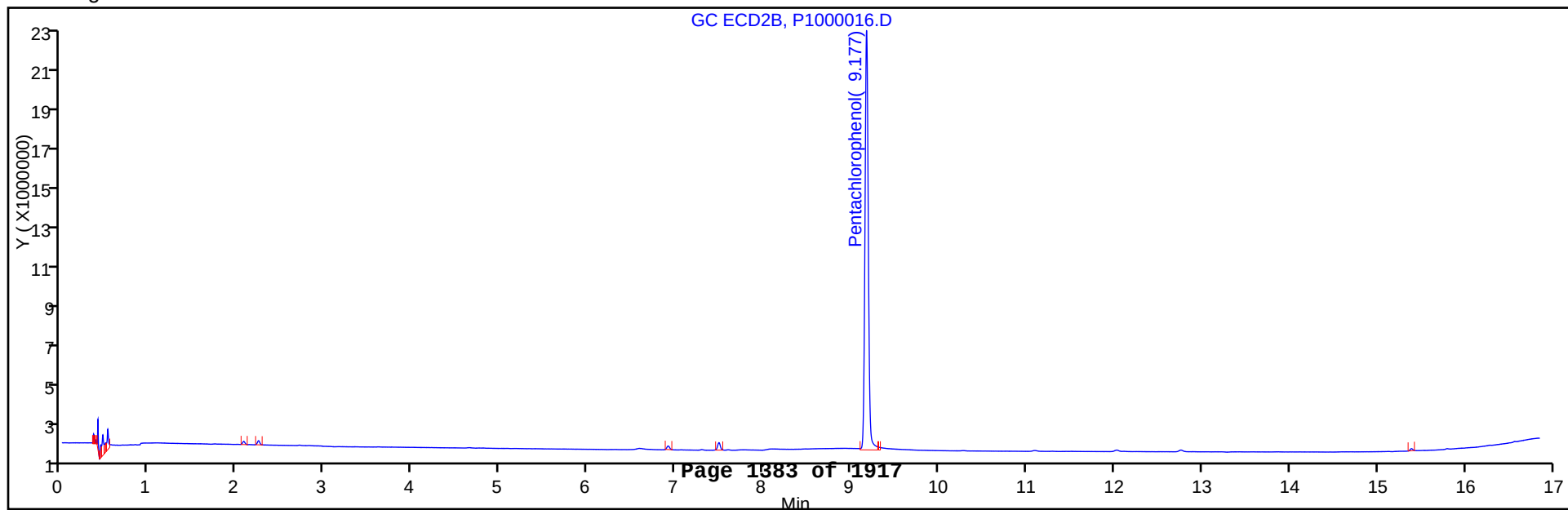
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20130318-18061.b\P1000017.D
Lims ID: Std PCP5 Client ID:
Inject. Date: 18-Mar-2013 21:50:35 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 240-0018061-017
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 17
Lims Batch ID: 78658 Lims Sample ID: 17
Sublist: chrom-8151_1*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b
Method: \\NCChrom\ChromData\A2HP1\20130318-18061.b\8151_1.m
Last Update: 19-Mar-2013 09:19:36 Calib Date: 18-Mar-2013 22:13:58
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20130318-18061.b\P1000018.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK035

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

11 Pentachlorophenol

1	8.143	8.144	-0.001	107035001	0.0409	
2	9.178	9.177	0.001	39576257	0.0396	

RPD = 3.26

Report Date: 19-Mar-2013 09:19:36

Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20130318-18061.b\P1000017.D

Injection Date: 18-Mar-2013 21:50:35

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 78658

Lims Sample ID: 17

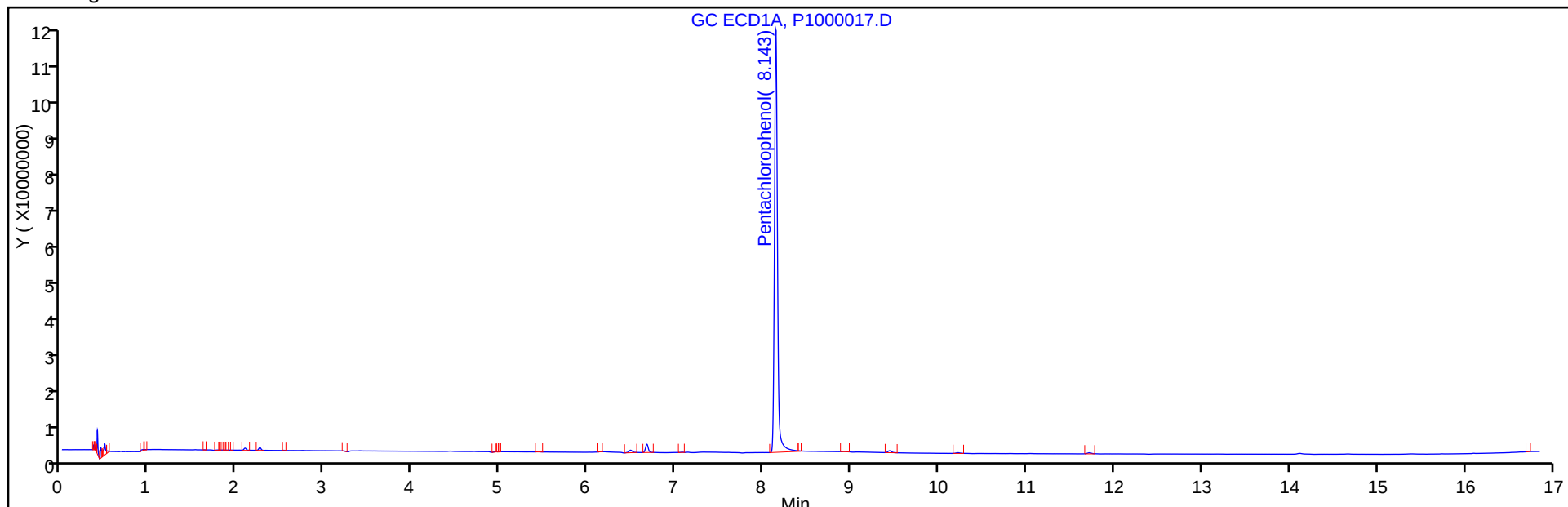
Operator ID: 001754

Injection Vol: 1.0 ul

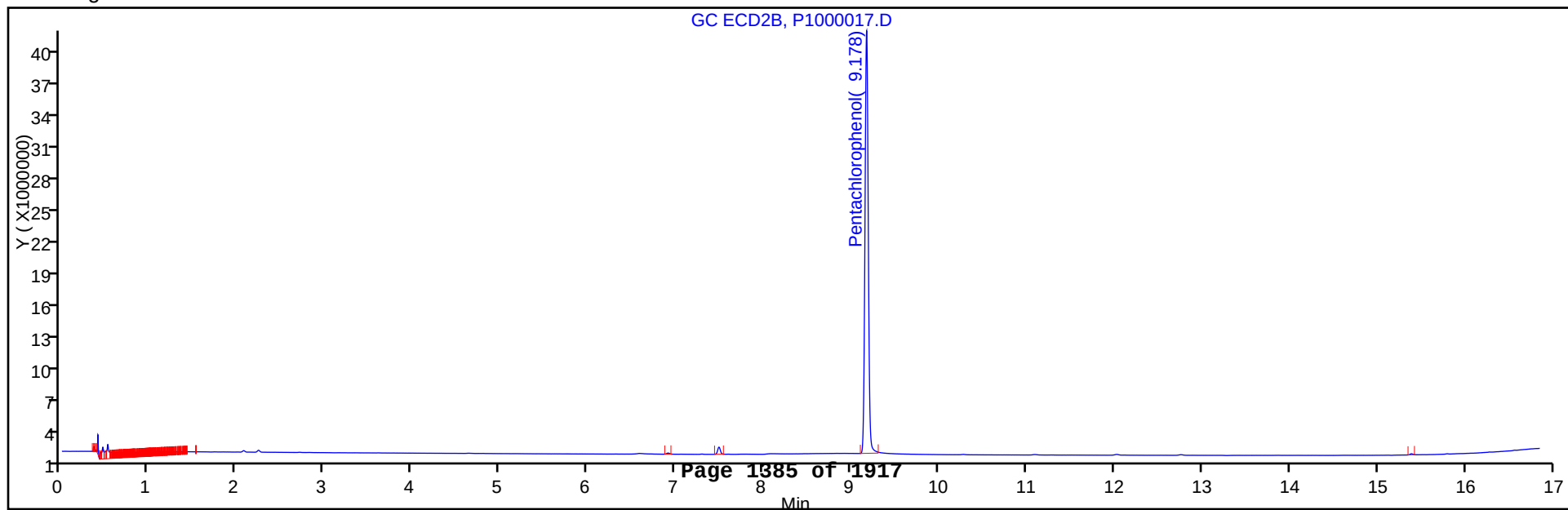
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20130318-18061.b\P1000018.D
Lims ID: Std PCP6 Client ID:
Inject. Date: 18-Mar-2013 22:13:58 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: 240-0018061-018
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 18
Lims Batch ID: 78658 Lims Sample ID: 18
Sublist: chrom-8151_1*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b
Method: \\NCChrom\ChromData\A2HP1\20130318-18061.b\8151_1.m
Last Update: 19-Mar-2013 09:19:37 Calib Date: 18-Mar-2013 22:13:58
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20130318-18061.b\P1000018.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK035

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

11 Pentachlorophenol

1	8.143	8.144	-0.001	201883048	0.0775	
2	9.178	9.177	0.001	74994296	0.0750	

RPD = 3.34

Report Date: 19-Mar-2013 09:19:37

Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20130318-18061.b\P1000018.D

Injection Date: 18-Mar-2013 22:13:58

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 78658

Lims Sample ID: 18

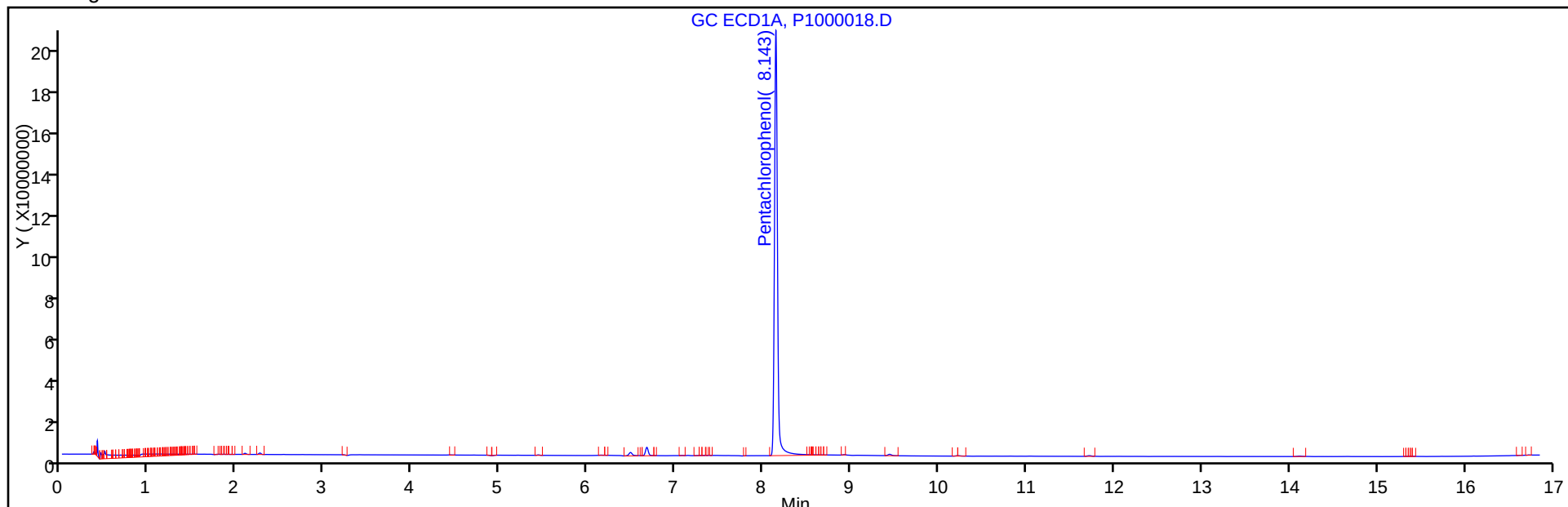
Operator ID: 001754

Injection Vol: 1.0 ul

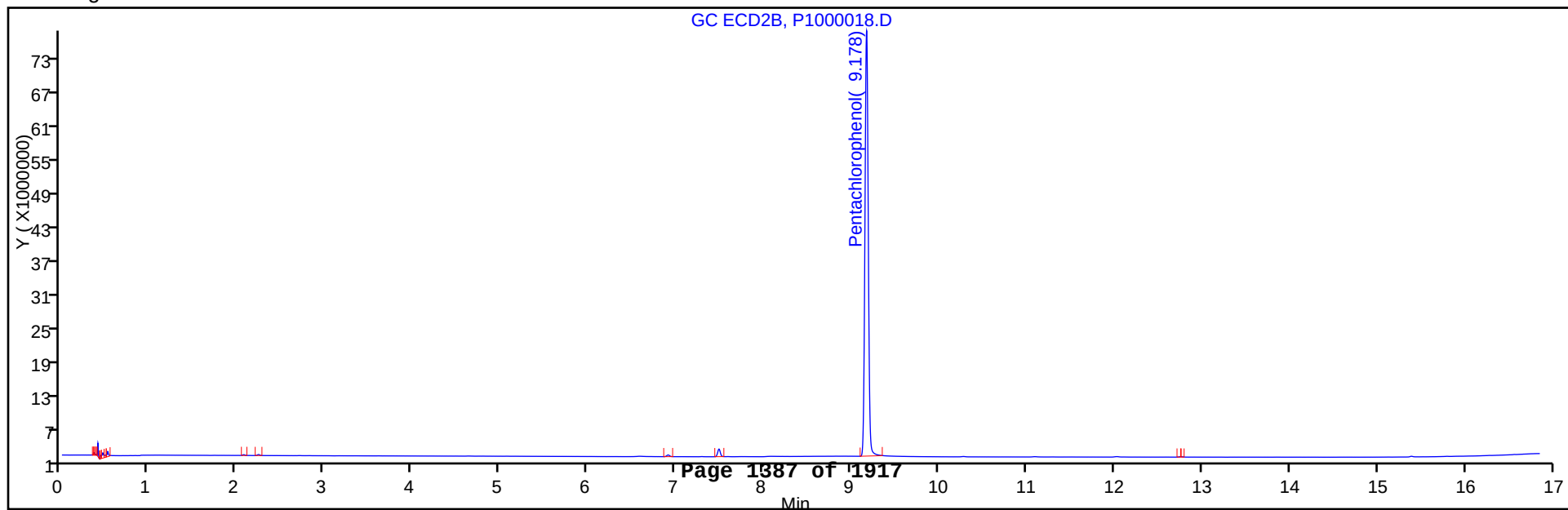
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-21987-1 Analy Batch No.: 78658

SDG No.: _____

Instrument ID: A2HP1 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2013 20:16 Calibration End Date: 03/18/2013 22:13 Calibration ID: 14173

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-78658/13	P1000013.D
Level 2	STD 240-78658/14	P1000014.D
Level 3	STD 240-78658/15	P1000015.D
Level 4	STD 240-78658/16	P1000016.D
Level 5	STD 240-78658/17	P1000017.D
Level 6	STD 240-78658/18	P1000018.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Pentachlorophenol	9.178	9.177	9.177	9.177	9.178	9.178					9.157 - 9.197	9.178

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-21987-1 Analy Batch No.: 78658

SDG No.: _____

Instrument ID: A2HP1 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2013 20:16 Calibration End Date: 03/18/2013 22:13 Calibration ID: 14173

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-78658/13	P1000013.D
Level 2	STD 240-78658/14	P1000014.D
Level 3	STD 240-78658/15	P1000015.D
Level 4	STD 240-78658/16	P1000016.D
Level 5	STD 240-78658/17	P1000017.D
Level 6	STD 240-78658/18	P1000018.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Pentachlorophenol	1055362000 989406425	1010524000 937428700	1019590200	990289950	Ave		1000433546				3.9		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-21987-1 Analy Batch No.: 78658

SDG No.: _____

Instrument ID: A2HP1 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2013 20:16 Calibration End Date: 03/18/2013 22:13 Calibration ID: 14173

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-78658/13	P1000013.D
Level 2	STD 240-78658/14	P1000014.D
Level 3	STD 240-78658/15	P1000015.D
Level 4	STD 240-78658/16	P1000016.D
Level 5	STD 240-78658/17	P1000017.D
Level 6	STD 240-78658/18	P1000018.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Pentachlorophenol	Ave	527681 74994296	5052620	10195902	19805799	39576257	0.000500 0.0800	0.00500	0.0100	0.0200	0.0400

Curve Type Legend:

Ave = Average by Height

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20130318-18061.b\P1000013.D
Lims ID: Std PCP1 Client ID:
Inject. Date: 18-Mar-2013 20:16:57 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0018061-013
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 13
Lims Batch ID: 78658 Lims Sample ID: 13
Sublist: chrom-8151_1*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b
Method: \\NCChrom\ChromData\A2HP1\20130318-18061.b\8151_1.m
Last Update: 19-Mar-2013 09:19:32 Calib Date: 18-Mar-2013 22:13:58
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20130318-18061.b\P1000018.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK035

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

11 Pentachlorophenol

1	8.144	8.144	0.000	2247878	0.000388	
2	9.178	9.177	0.001	527681	0.000527	

RPD = 30.41

Report Date: 19-Mar-2013 09:19:32

Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20130318-18061.b\P1000013.D

Injection Date: 18-Mar-2013 20:16:57

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 78658

Lims Sample ID: 13

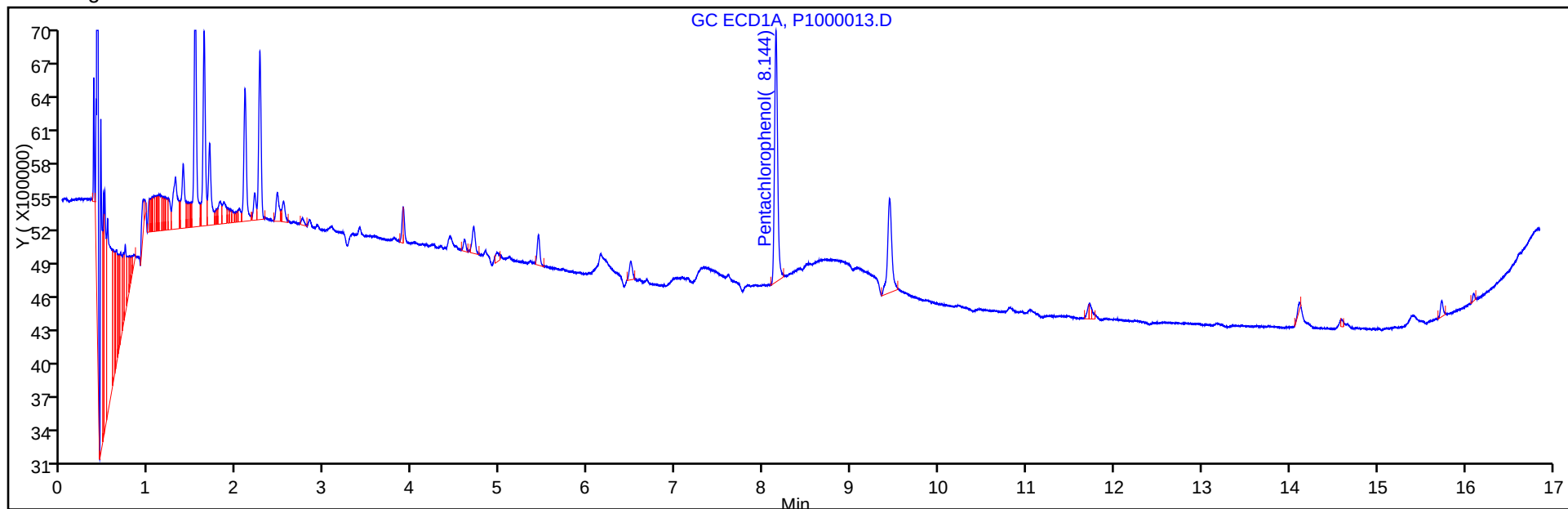
Operator ID: 001754

Injection Vol: 1.0 ul

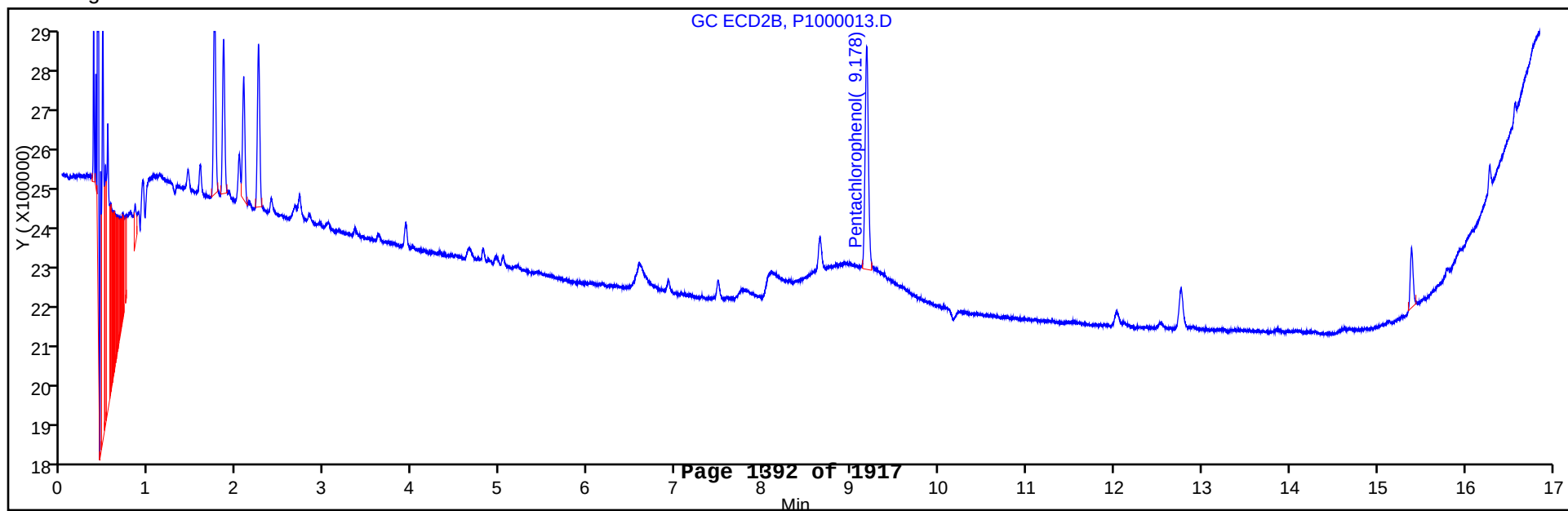
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20130318-18061.b\P1000014.D
Lims ID: Std PCP2 Client ID:
Inject. Date: 18-Mar-2013 20:40:17 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0018061-014
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 14
Lims Batch ID: 78658 Lims Sample ID: 14
Sublist: chrom-8151_1*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b
Method: \\NCChrom\ChromData\A2HP1\20130318-18061.b\8151_1.m
Last Update: 19-Mar-2013 09:19:33 Calib Date: 18-Mar-2013 22:13:58
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20130318-18061.b\P1000018.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK035

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

11 Pentachlorophenol

1	8.145	8.144	0.001	16198092	0.005777	
2	9.177	9.177	0.000	5052620	0.005050	

RPD = 13.43

Report Date: 19-Mar-2013 09:19:33

Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20130318-18061.b\P1000014.D

Injection Date: 18-Mar-2013 20:40:17

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 78658

Lims Sample ID: 14

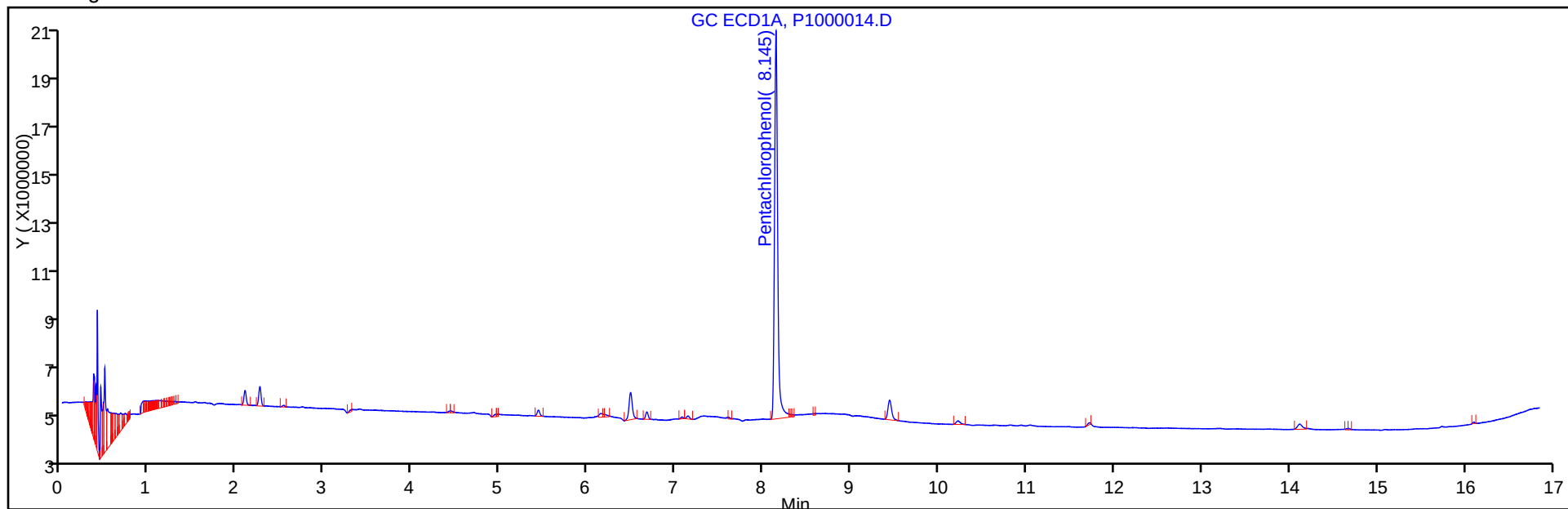
Operator ID: 001754

Injection Vol: 1.0 ul

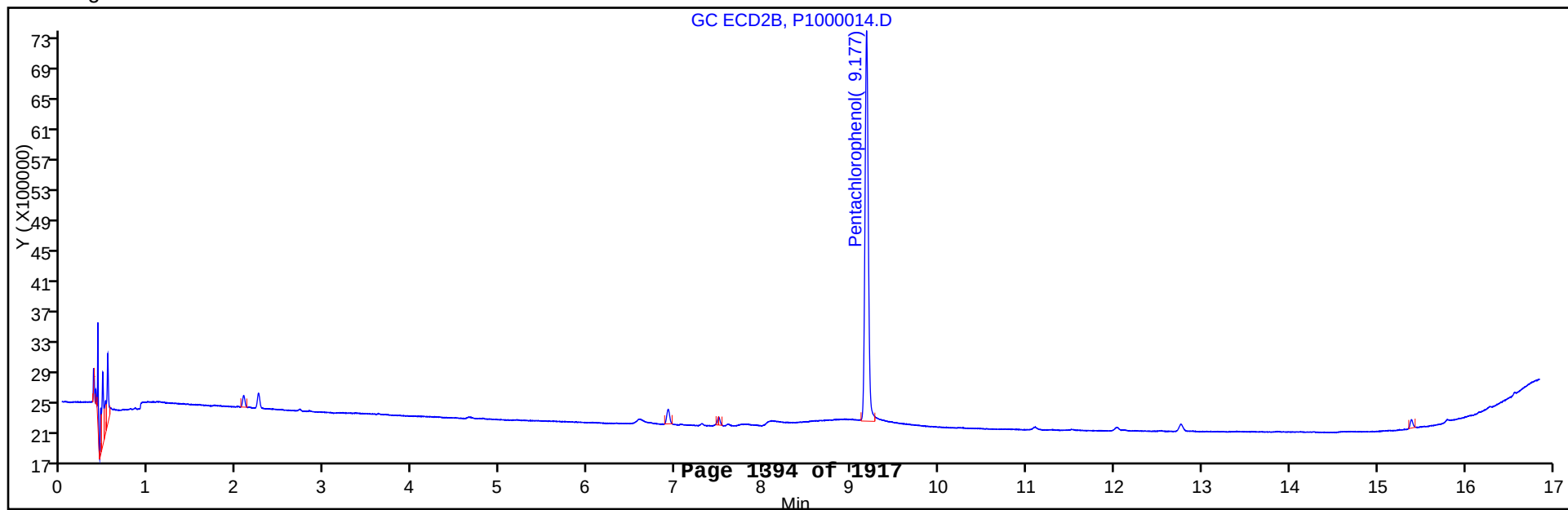
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20130318-18061.b\P1000015.D
Lims ID: Std PCP3 Client ID:
Inject. Date: 18-Mar-2013 21:03:42 Dil. Factor: 1.0000
Sample Type: ICRT Calib Level: 3
Sample ID: 240-0018061-015
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 15
Lims Batch ID: 78658 Lims Sample ID: 15
Sublist: chrom-8151_1*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b
Method: \\NCChrom\ChromData\A2HP1\20130318-18061.b\8151_1.m
Last Update: 19-Mar-2013 09:19:34 Calib Date: 18-Mar-2013 22:13:58
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20130318-18061.b\P1000018.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK035

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

11 Pentachlorophenol

1	8.144	8.144	0.000	28667645	0.0106	
2	9.177	9.177	0.000	10195902	0.0102	

RPD = 3.88

Report Date: 19-Mar-2013 09:19:34

Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCCchrom\ChromData\A2HP1\20130318-18061.b\P1000015.D

Injection Date: 18-Mar-2013 21:03:42

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 78658

Lims Sample ID: 15

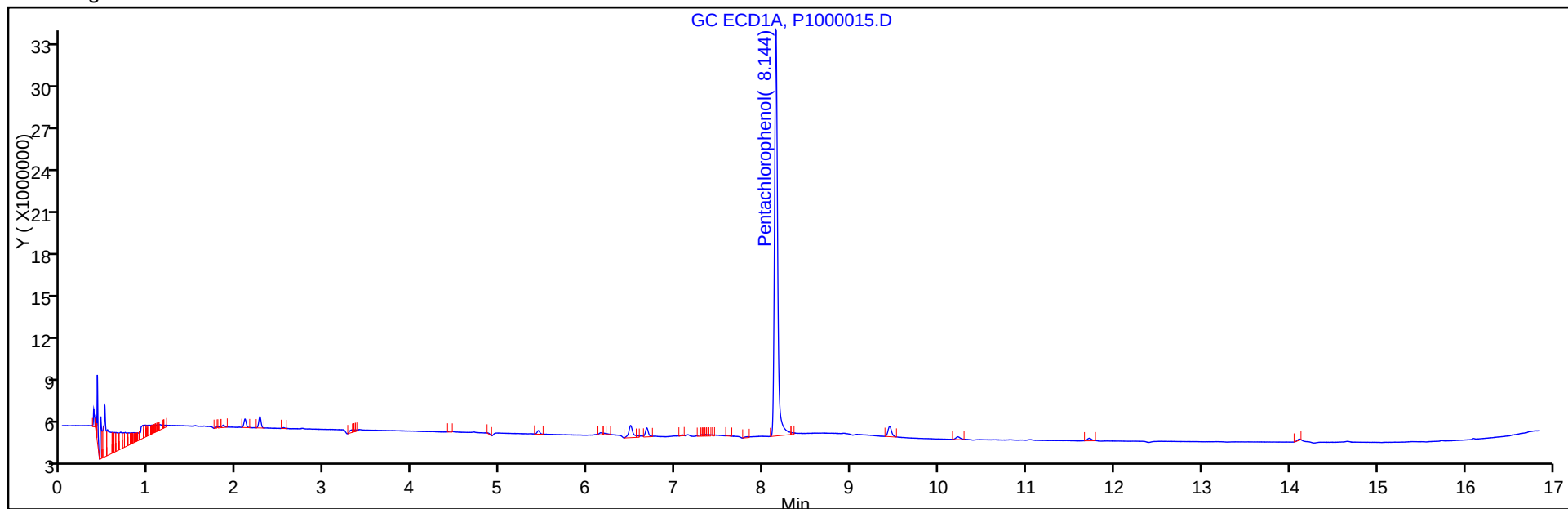
Operator ID: 001754

Injection Vol: 1.0 ul

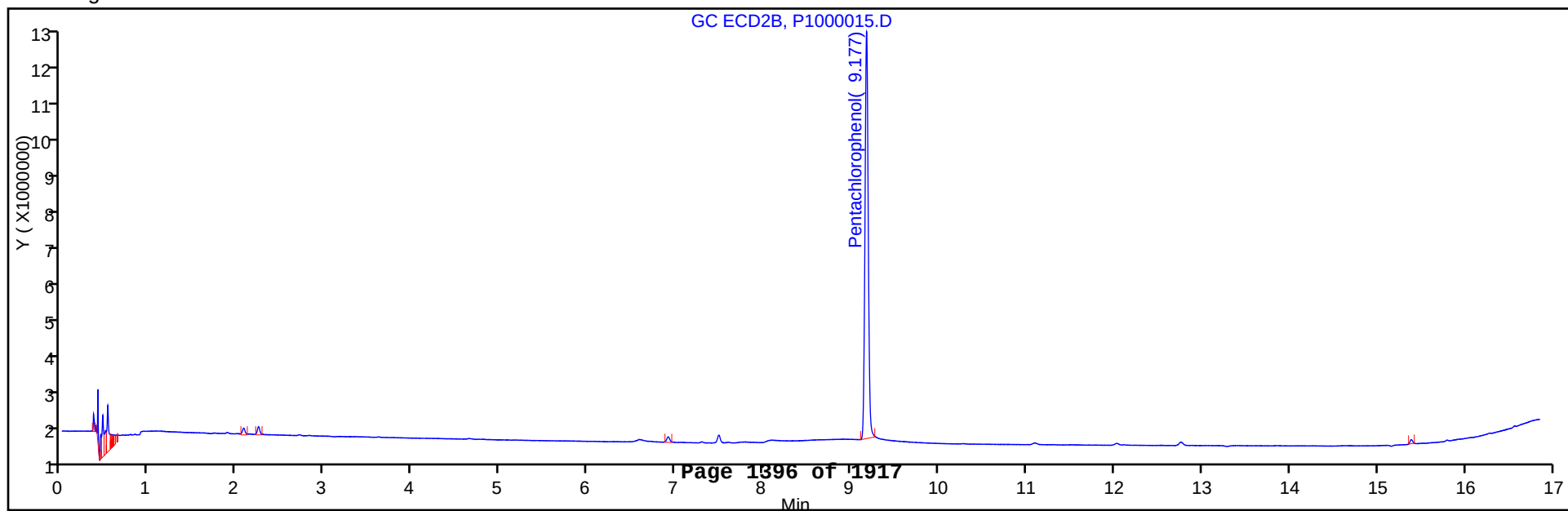
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20130318-18061.b\P1000016.D
Lims ID: Std PCP4 Client ID:
Inject. Date: 18-Mar-2013 21:27:10 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 240-0018061-016
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 16
Lims Batch ID: 78658 Lims Sample ID: 16
Sublist: chrom-8151_1*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b
Method: \\NCChrom\ChromData\A2HP1\20130318-18061.b\8151_1.m
Last Update: 19-Mar-2013 09:19:35 Calib Date: 18-Mar-2013 22:13:58
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20130318-18061.b\P1000018.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK035

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

11 Pentachlorophenol

1	8.143	8.144	-0.001	53942526	0.0204	
2	9.177	9.177	0.000	19805799	0.0198	

RPD = 2.80

Report Date: 19-Mar-2013 09:19:35

Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20130318-18061.b\P1000016.D

Injection Date: 18-Mar-2013 21:27:10

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 78658

Lims Sample ID: 16

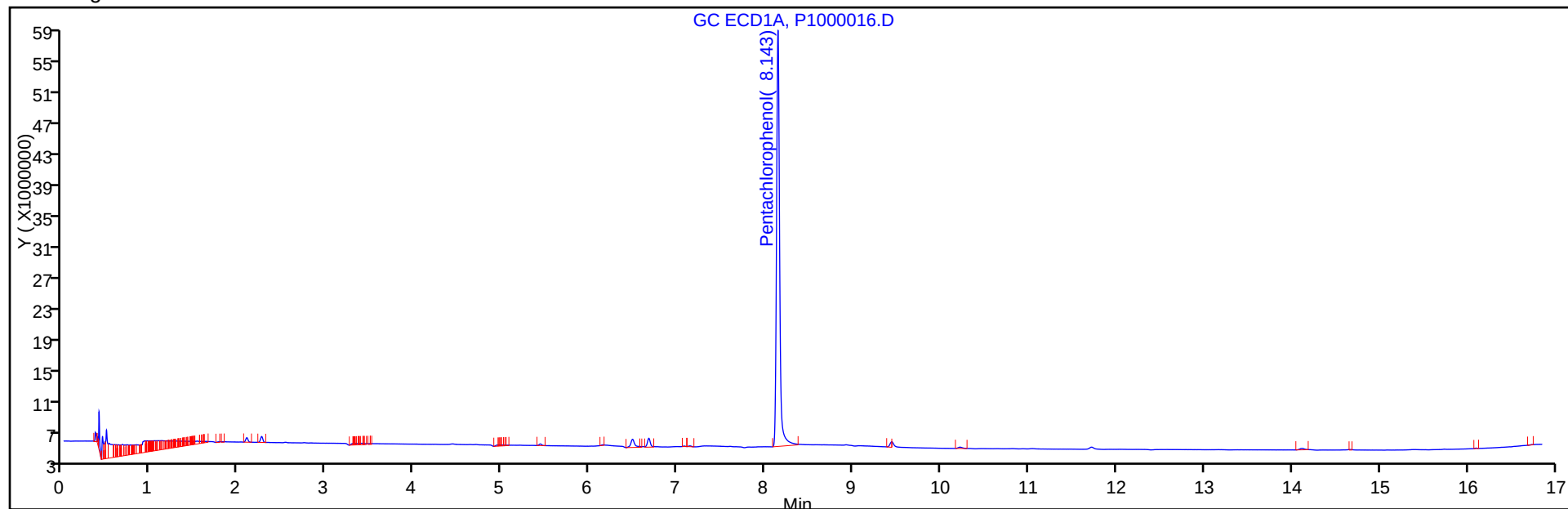
Operator ID: 001754

Injection Vol: 1.0 ul

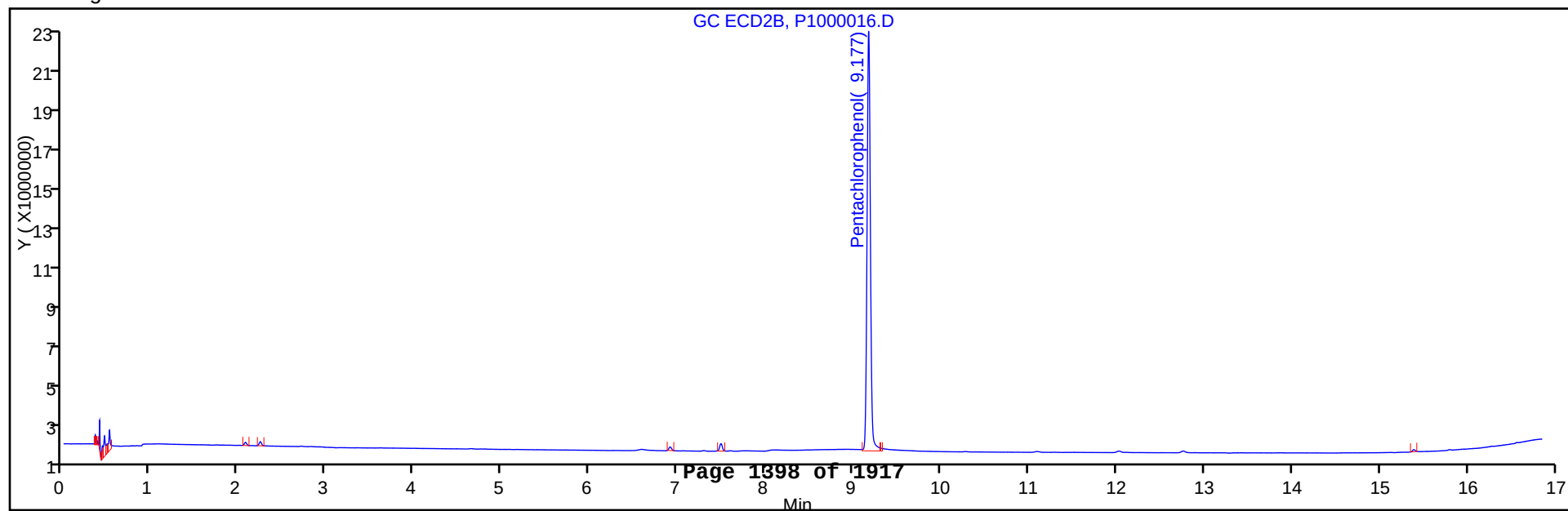
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20130318-18061.b\P1000017.D
Lims ID: Std PCP5 Client ID:
Inject. Date: 18-Mar-2013 21:50:35 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 240-0018061-017
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 17
Lims Batch ID: 78658 Lims Sample ID: 17
Sublist: chrom-8151_1*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b
Method: \\NCChrom\ChromData\A2HP1\20130318-18061.b\8151_1.m
Last Update: 19-Mar-2013 09:19:36 Calib Date: 18-Mar-2013 22:13:58
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20130318-18061.b\P1000018.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK035

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

11 Pentachlorophenol

1	8.143	8.144	-0.001	107035001	0.0409	
2	9.178	9.177	0.001	39576257	0.0396	

RPD = 3.26

Report Date: 19-Mar-2013 09:19:36

Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20130318-18061.b\P1000017.D

Injection Date: 18-Mar-2013 21:50:35

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 78658

Lims Sample ID: 17

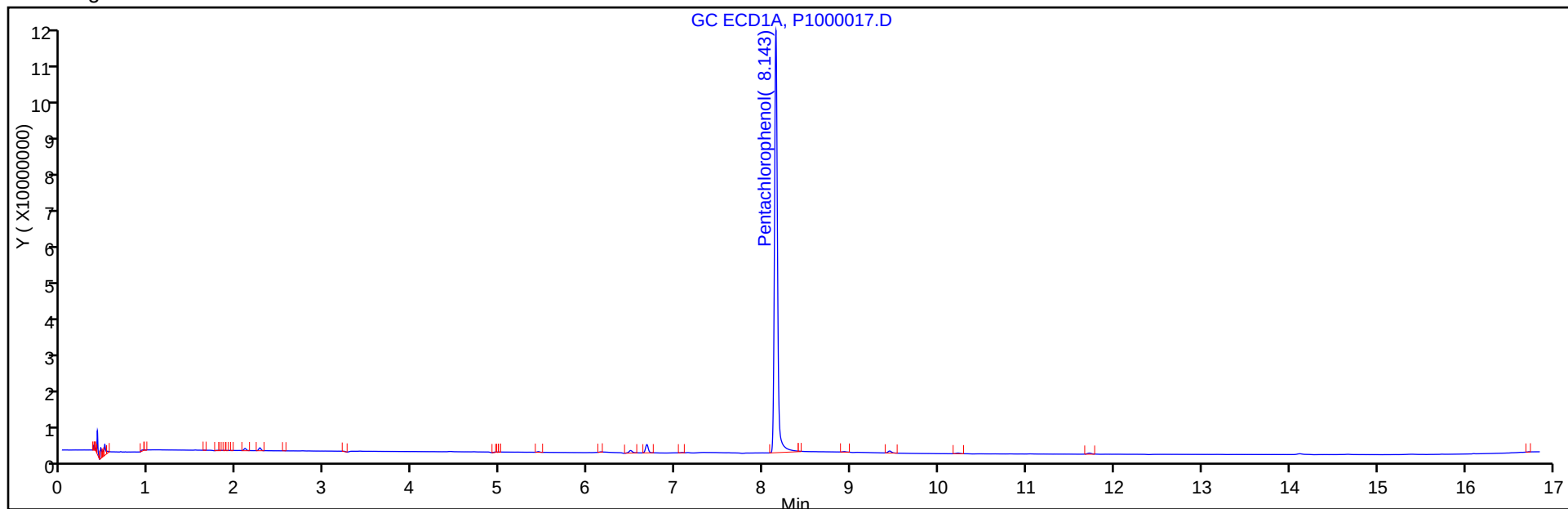
Operator ID: 001754

Injection Vol: 1.0 ul

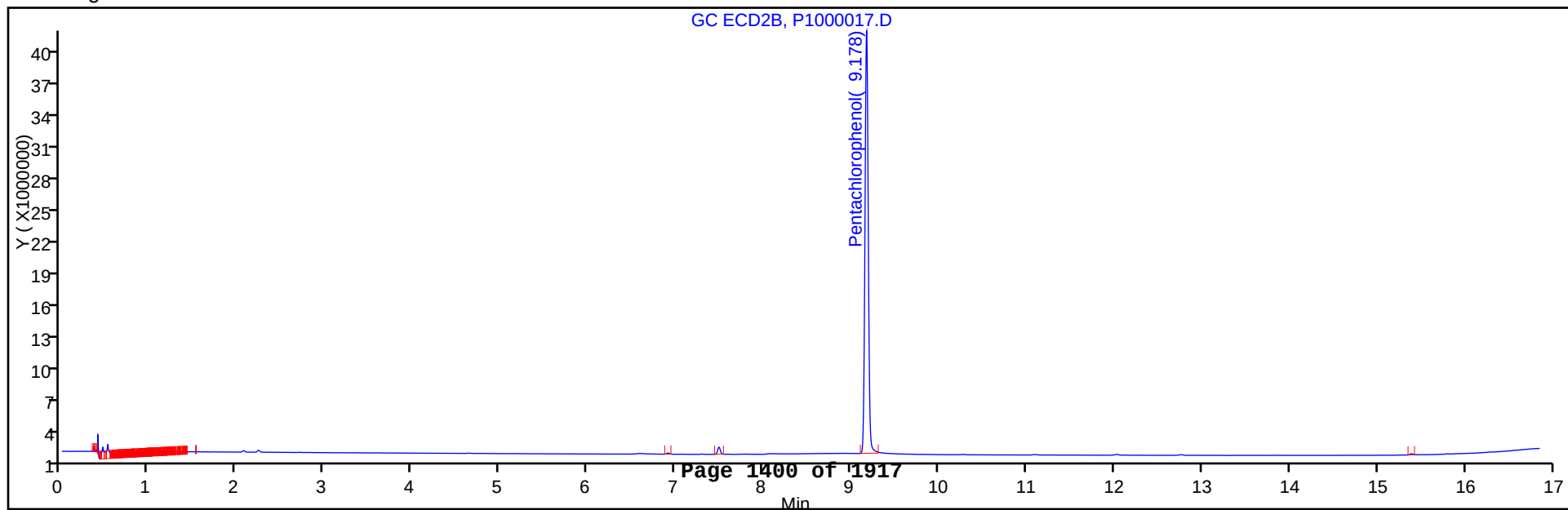
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20130318-18061.b\P1000018.D
Lims ID: Std PCP6 Client ID:
Inject. Date: 18-Mar-2013 22:13:58 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: 240-0018061-018
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 18
Lims Batch ID: 78658 Lims Sample ID: 18
Sublist: chrom-8151_1*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b
Method: \\NCChrom\ChromData\A2HP1\20130318-18061.b\8151_1.m
Last Update: 19-Mar-2013 09:19:37 Calib Date: 18-Mar-2013 22:13:58
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20130318-18061.b\P1000018.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK035

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

11 Pentachlorophenol

1	8.143	8.144	-0.001	201883048	0.0775	
2	9.178	9.177	0.001	74994296	0.0750	

RPD = 3.34

Report Date: 19-Mar-2013 09:19:37

Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCCchrom\ChromData\A2HP1\20130318-18061.b\P1000018.D

Injection Date: 18-Mar-2013 22:13:58

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 78658

Lims Sample ID: 18

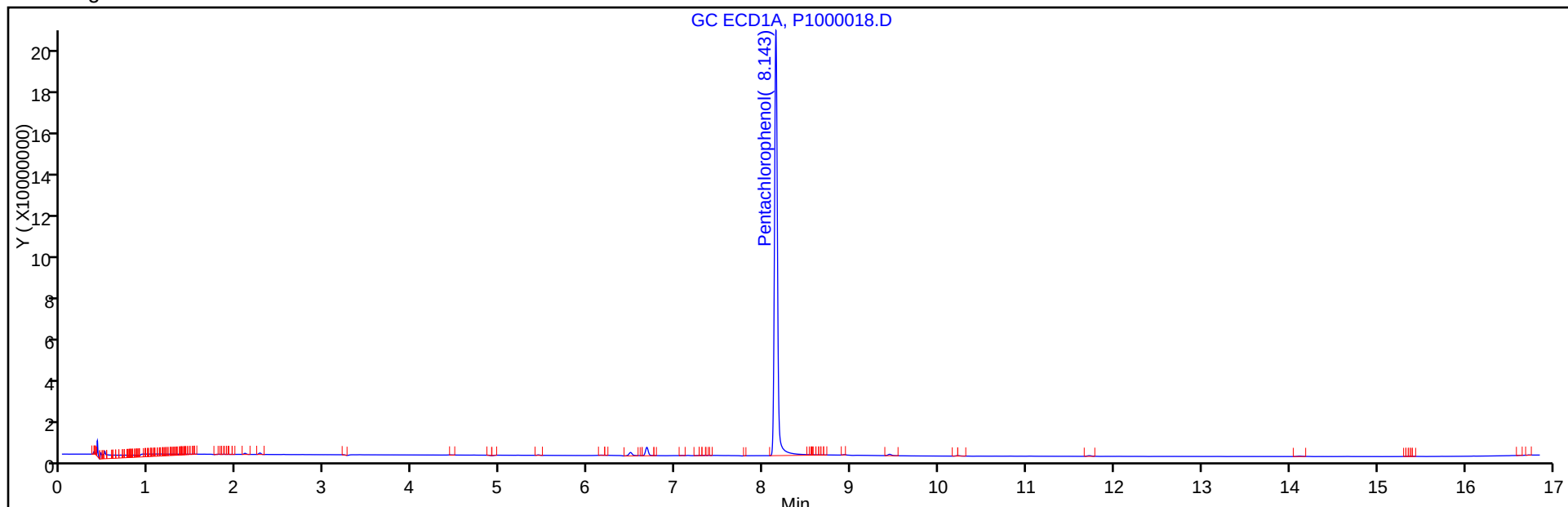
Operator ID: 001754

Injection Vol: 1.0 ul

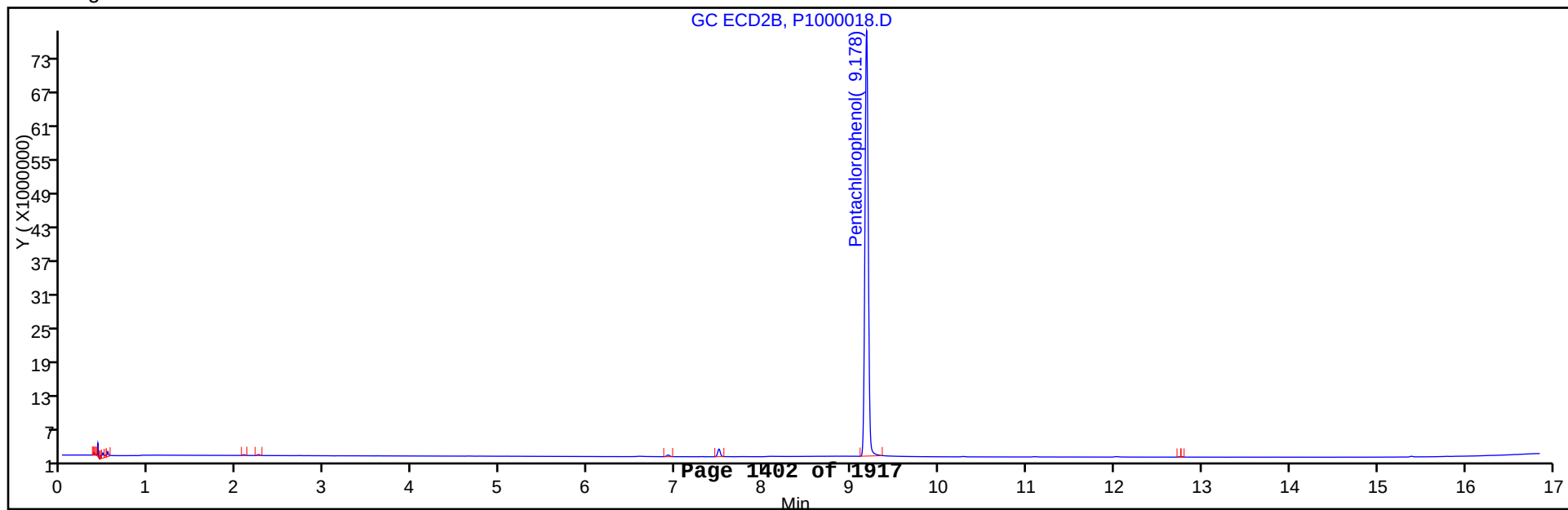
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-21987-1 Analy Batch No.: 79197

SDG No.: _____

Instrument ID: A2HP1 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/22/2013 17:26 Calibration End Date: 03/22/2013 19:24 Calibration ID: 14205

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-79197/6	P1000006.D
Level 2	STD2 240-79197/7	P1000007.D
Level 3	STD3 240-79197/8	P1000008.D
Level 4	STD4 240-79197/9	P1000009.D
Level 5	STD5 240-79197/10	P1000010.D
Level 6	STD6 240-79197/11	P1000011.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Dalapon	1.201	1.201	1.201	1.201	1.201	1.201					1.181 - 1.221	1.201
Dicamba	7.011	7.011	7.011	7.010	7.009	7.010					6.991 - 7.031	7.010
MCPD	7.295	7.296	7.295	7.294	7.294	7.295					7.275 - 7.315	7.295
MCPA	7.456	7.456	7.455	7.455	7.454	7.455					7.435 - 7.475	7.455
Dichlorprop	7.825	7.822	7.822	7.822	7.822	7.820					7.802 - 7.842	7.822
2,4-D	8.064	8.058	8.055	8.053	8.051	8.051					8.035 - 8.075	8.055
Silvex (2,4,5-TP)	8.911	8.909	8.907	8.906	8.904	8.904					8.887 - 8.927	8.907
2,4,5-T	9.228	9.224	9.217	9.212	9.209	9.206					9.197 - 9.237	9.216
2,4-DB	9.846	9.844	9.834	9.830	9.824	9.820					9.814 - 9.854	9.833
Dinoseb	11.013	11.008	11.009	11.006	11.005	11.003					10.979 - 11.039	11.007
2,4-Dichlorophenylacetic acid	6.850	6.848	6.847	6.847	6.846	6.845					6.827 - 6.867	6.847

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-21987-1 Analy Batch No.: 79197

SDG No.: _____

Instrument ID: A2HP1 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/22/2013 17:26 Calibration End Date: 03/22/2013 19:24 Calibration ID: 14205

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-79197/6	P1000006.D
Level 2	STD2 240-79197/7	P1000007.D
Level 3	STD3 240-79197/8	P1000008.D
Level 4	STD4 240-79197/9	P1000009.D
Level 5	STD5 240-79197/10	P1000010.D
Level 6	STD6 240-79197/11	P1000011.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Dalapon	707034000 483838713	642761200 458343369	576526075	516789675	Ave		564215505				17.0		20.0			
Dicamba	935155300 725952269	872754900 688787738	831018050	753540513	Ave		801201461				12.0		20.0			
MCPD	1853674 1457776	1994778 1287614	1905594	1645445	Qua	1609187.17	1600977.43	-5323.0414						0.9990		0.9900
MCPA	3651341 1854287	3211750 1630997	2828833	2219122	Qua	5396089.79	1917865.97	-5864.5290						0.9980		0.9900
Dichlorprop	219113100 151860828	202060825 139400563	186801075	164836419	Ave		177345468				17.0		20.0			
2,4-D	200901150 183397097	196845475 172053661	208045100	193437850	Ave		192446722				6.7		20.0			
Silvex (2,4,5-TP)	1021936000 960243525	985128100 940424600	988612000	956600400	Ave		975490771				3.0		20.0			
2,4,5-T	721125600 779964813	692813800 798914719	764169700	755493550	Ave		752080364				5.2		20.0			
2,4-DB	69359900 74329175	65355625 76450631	75459900	71204813	Ave		72026674.0				5.9		20.0			
Dinoseb	731245667 557962458	690816000 528805531	651314000	585744375	Ave		624314672				13.0		20.0			
2,4-Dichlorophenylacetic acid	231160500 160728478	216988825 146943994	198903263	176623869	Ave		188558155				17.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-21987-1 Analy Batch No.: 79197

SDG No.: _____

Instrument ID: A2HP1 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/22/2013 17:26 Calibration End Date: 03/22/2013 19:24 Calibration ID: 14205

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-79197/6	P1000006.D
Level 2	STD2 240-79197/7	P1000007.D
Level 3	STD3 240-79197/8	P1000008.D
Level 4	STD4 240-79197/9	P1000009.D
Level 5	STD5 240-79197/10	P1000010.D
Level 6	STD6 240-79197/11	P1000011.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dalapon	Ave	7070340 146669878	12855224	23061043	41343174	77414194	0.0100 0.320	0.0200	0.0400	0.0800	0.160
Dicamba	Ave	9351553 220412076	17455098	33240722	60283241	116152363	0.0100 0.320	0.0200	0.0400	0.0800	0.160
MCPPE	Qua	3707348 82407313	7979111	15244751	26327116	46648834	2.00 64.0	4.00	8.00	16.0	32.0
MCPA	Qua	7302682 104383834	12847000	22630662	35505946	59337198	2.00 64.0	4.00	8.00	16.0	32.0
Dichlorprop	Ave	4382262 89216360	8082433	14944086	26373827	48595465	0.0200 0.640	0.0400	0.0800	0.160	0.320
2,4-D	Ave	4018023 110114343	7873819	16643608	30950056	58687071	0.0200 0.640	0.0400	0.0800	0.160	0.320
Silvex (2,4,5-TP)	Ave	5109680 150467936	9851281	19772240	38264016	76819482	0.00500 0.160	0.0100	0.0200	0.0400	0.0800
2,4,5-T	Ave	3605628 127826355	6928138	15283394	30219742	62397185	0.00500 0.160	0.0100	0.0200	0.0400	0.0800
2,4-DB	Ave	1387198 48928404	2614225	6036792	11392770	23785336	0.0200 0.640	0.0400	0.0800	0.160	0.320
Dinoseb	Ave	2193737 50765331	4144896	7815768	14057865	26782198	0.00300 0.0960	0.00600	0.0120	0.0240	0.0480
2,4-Dichlorophenylacetic acid	Ave	4623210 94044156	8679553	15912261	28259819	51433113	0.0200 0.640	0.0400	0.0800	0.160	0.320

Curve Type Legend:

Ave = Average by Height
Qua = Quadratic

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\P1000006.D
 Lims ID: STD1 HERB CORP Client ID:
 Inject. Date: 22-Mar-2013 17:26:58 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID: 240-0018190-006
 Misc. Info.:
 Operator: 001754 Instrument ID: A2HP1
 Injection Vol: 1.0 ul ALS Bottle#: 6
 Lims Batch ID: 79197 Lims Sample ID: 6
 Sublist: chrom-8151_1*sub2
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\8151_1.m
 Last Update: 27-Mar-2013 11:11:01 Calib Date: 22-Mar-2013 19:24:11
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\P1000011.D
 Limit Group: GC 8151 DOD
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK004

First Level Reviewer: bolgrind

Date:

25-Mar-2013 10:42:59

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

5 Dalapon

1	1.201	1.201	0.000	7070340	0.0125	
2	1.371	1.371	0.000	1749332	0.0112	
RPD = 10.80						

\$ 4 2,4-Dichlorophenylacetic acid

1	6.850	6.847	0.003	4623210	0.0245	
2	7.585	7.582	0.003	1490780	0.0220	
RPD = 10.96						

6 Dicamba

1	7.011	7.011	0.000	9351553	0.0117	
2	7.748	7.748	0.000	3052843	0.0106	
RPD = 9.80						

10 MCPP

1	7.295	7.295	0.000	3707348	1.32	
2	7.930	7.930	0.000	3515676	1.00	
RPD = 27.59						

9 MCPA

1	7.456	7.455	0.001	7302682	1.00	
2	8.182	8.180	0.002	5425252	1.10	
RPD = 9.83						

7 Dichlorprop

1	7.825	7.822	0.003	4382262	0.0247	
2	8.536	8.534	0.002	1282812	0.0216	
RPD = 13.64						

2 2,4-D

1	8.064	8.055	0.009	4018023	0.0209	
2	8.895	8.889	0.006	1283737	0.0192	
RPD = 8.17						

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

12 Silvex (2,4,5-TP)

1	8.911	8.907	0.004	5109680	0.005238	
2	9.815	9.812	0.003	1484549	0.004804	
RPD = 8.65						

1 2,4,5-T

1	9.228	9.217	0.011	3605628	0.004794	
2	10.300	10.292	0.008	1049416	0.004294	
RPD = 11.01						

3 2,4-DB

1	9.846	9.834	0.012	1387198	0.0193	
2	10.948	10.940	0.008	418532	0.0164	
RPD = 15.96						

8 Dinoseb

1	11.013	11.009	0.004	2193737	0.003514	
2	11.296	11.294	0.002	539428	0.002878	
RPD = 19.90						

Report Date: 27-Mar-2013 11:11:01

Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\P1000006.D

Injection Date: 22-Mar-2013 17:26:58

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 79197

Lims Sample ID: 6

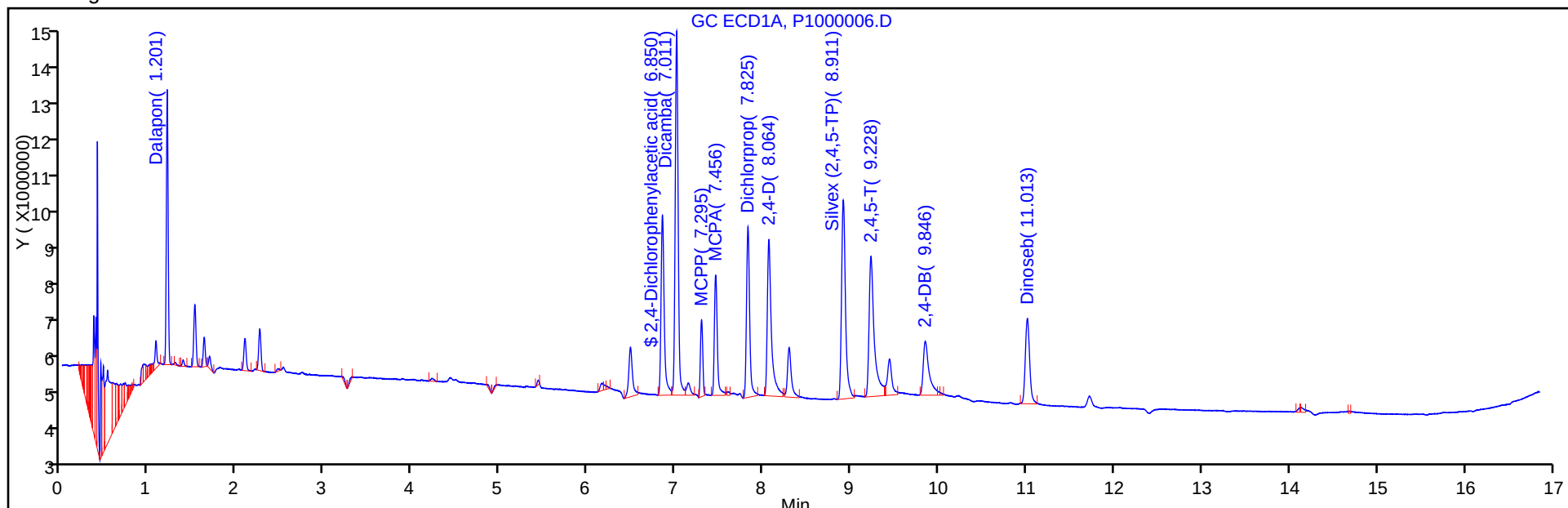
Operator ID: 001754

Injection Vol: 1.0 ul

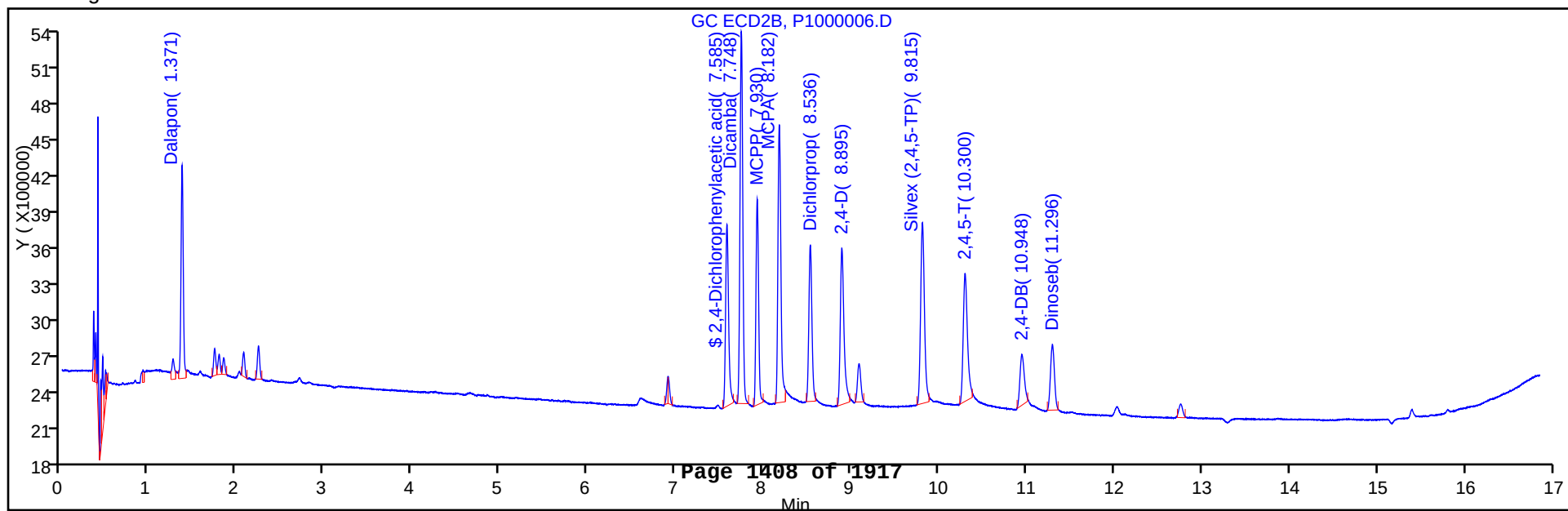
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\P1000007.D
 Lims ID: STD2 HERB CORP Client ID:
 Inject. Date: 22-Mar-2013 17:50:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID: 240-0018190-007
 Misc. Info.:
 Operator: 001754 Instrument ID: A2HP1
 Injection Vol: 1.0 ul ALS Bottle#: 7
 Lims Batch ID: 79197 Lims Sample ID: 7
 Sublist: chrom-8151_1*sub2
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\8151_1.m
 Last Update: 27-Mar-2013 11:11:03 Calib Date: 22-Mar-2013 19:24:11
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\P1000011.D
 Limit Group: GC 8151 DOD
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK004

First Level Reviewer: bolgrind

Date:

25-Mar-2013 10:53:20

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

5 Dalapon

1	1.201	1.201	0.000	12855224	0.0228	
2	1.371	1.371	0.000	3276414	0.0211	
RPD = 7.84						

\$ 4 2,4-Dichlorophenylacetic acid

1	6.848	6.847	0.001	8679553	0.0460	
2	7.584	7.582	0.002	2918381	0.0430	
RPD = 6.78						

6 Dicamba

1	7.011	7.011	0.000	17455098	0.0218	
2	7.749	7.748	0.001	6090821	0.0211	
RPD = 3.14						

10 MCPP

1	7.296	7.295	0.001	7979111	4.03	
2	7.930	7.930	0.000	7033437	4.06	
RPD = 0.65						

9 MCPA

1	7.456	7.455	0.001	12847000	3.93	
2	8.181	8.180	0.001	10436475	4.27	
RPD = 8.20						

7 Dichlorprop

1	7.822	7.822	0.000	8082433	0.0456	
2	8.535	8.534	0.001	2528613	0.0425	
RPD = 7.01						

2 2,4-D

1	8.058	8.055	0.003	7873819	0.0409	M
2	8.893	8.889	0.004	2667222	0.0400	M

RPD = 2.32

Data File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\1000007.D

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

12 Silvex (2,4,5-TP)

1	8.909	8.907	0.002	9851281	0.0101	
2	9.812	9.812	0.000	2989887	0.009674	
RPD = 4.29						

1 2,4,5-T

1	9.224	9.217	0.007	6928138	0.009212	
2	10.299	10.292	0.007	2179473	0.008918	
RPD = 3.24						

3 2,4-DB

1	9.844	9.834	0.010	2614225	0.0363	
2	10.947	10.940	0.007	893496	0.0350	
RPD = 3.52						

8 Dinoseb

1	11.008	11.009	-0.001	4144896	0.006639	
2	11.296	11.294	0.002	1088292	0.005806	
RPD = 13.39						

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 27-Mar-2013 11:11:03

Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\P1000007.D

Injection Date: 22-Mar-2013 17:50:30

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 79197

Lims Sample ID: 7

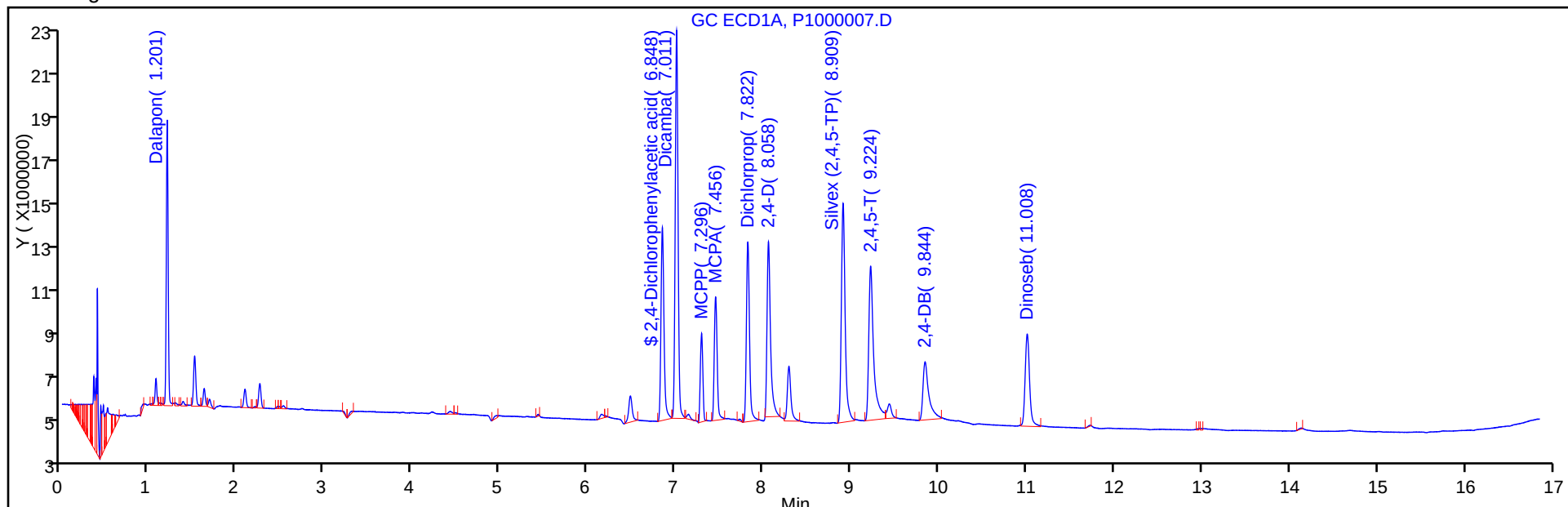
Operator ID: 001754

Injection Vol: 1.0 ul

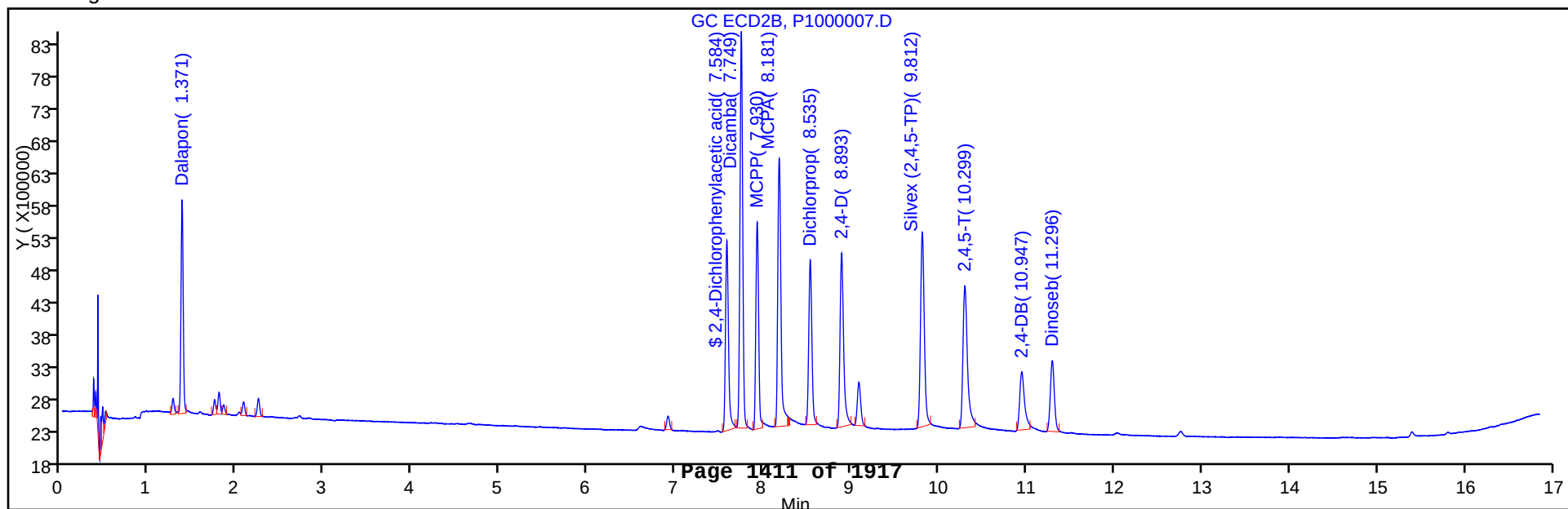
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\P1000007.D

Injection Date: 22-Mar-2013 17:50:30

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 79197

Lims Sample ID: 7

Operator ID: 001754

Injection Vol: 1.0 ul

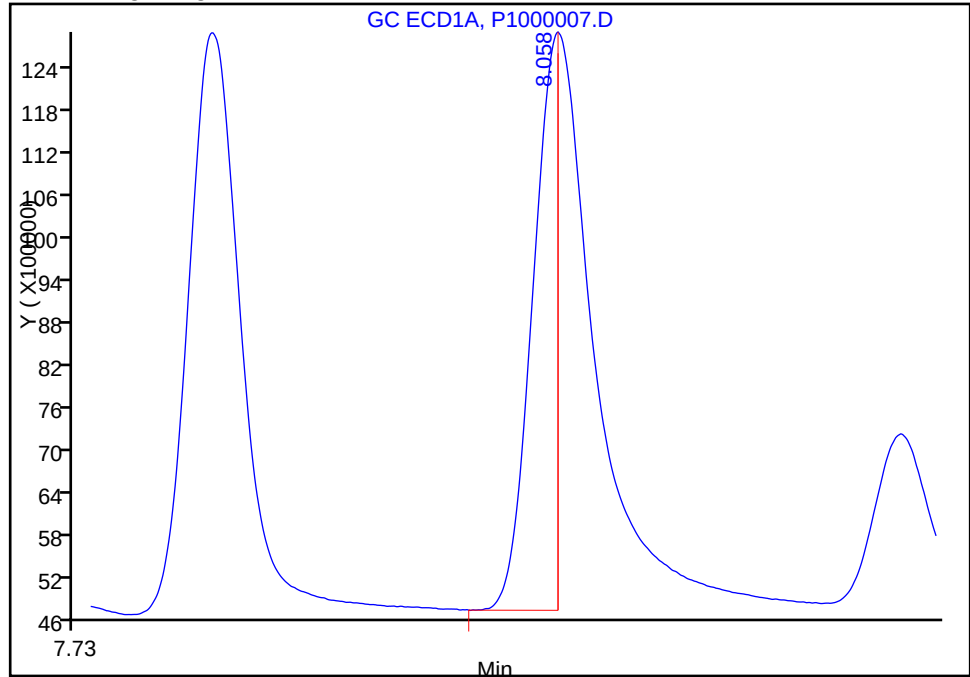
Column Type:

Column Dia:

2,2,4-D, Signal: 1, Type: quant, RT: 8.05, Det: GC ECD1A

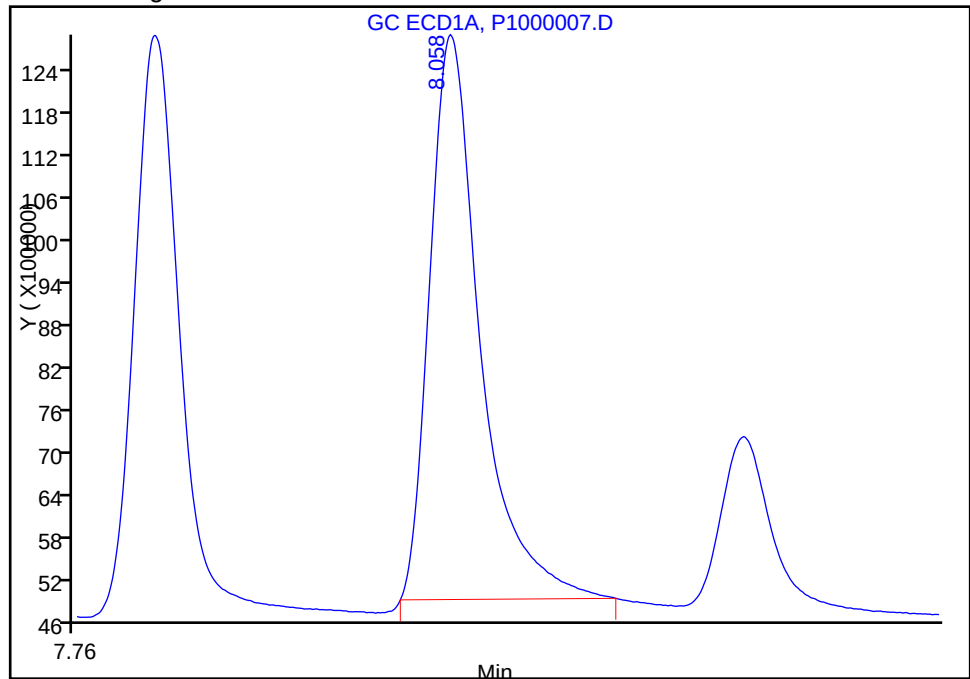
RT: 8.06
Response: 8061892
Amount: 0.041722

Processing Integration Results



RT: 8.06
Response: 7873819
Amount: 0.040914

Manual Integration Results



Reviewer: bolgrind, 25-Mar-2013 10:53:20

Audit Action: Manually Integrated

Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\P1000008.D
 Lims ID: STD3 HERB CORP Client ID:
 Inject. Date: 22-Mar-2013 18:13:54 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 3
 Sample ID: 240-0018190-008
 Misc. Info.:
 Operator: 001754 Instrument ID: A2HP1
 Injection Vol: 1.0 ul ALS Bottle#: 8
 Lims Batch ID: 79197 Lims Sample ID: 8
 Sublist: chrom-8151_1*sub2
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\8151_1.m
 Last Update: 27-Mar-2013 11:11:06 Calib Date: 22-Mar-2013 19:24:11
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\P1000011.D
 Limit Group: GC 8151 DOD
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK004

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

5 Dalapon

1	1.201	1.201	0.000	23061043	0.0409	
2	1.371	1.371	0.000	6432970	0.0414	
RPD = 1.18						

\$ 4 2,4-Dichlorophenylacetic acid

1	6.847	6.847	0.000	15912261	0.0844	
2	7.582	7.582	0.000	5686114	0.0838	
RPD = 0.69						

6 Dicamba

1	7.011	7.011	0.000	33240722	0.0415	
2	7.748	7.748	0.000	11990514	0.0416	
RPD = 0.18						

10 MCPP

1	7.295	7.295	0.000	15244751	8.77	
2	7.930	7.930	0.000	12505664	8.97	
RPD = 2.21						

9 MCPA

1	7.455	7.455	0.000	22630662	9.25	
2	8.180	8.180	0.000	17342024	8.71	
RPD = 6.02						

7 Dichlorprop

1	7.822	7.822	0.000	14944086	0.0843	
2	8.534	8.534	0.000	4968472	0.0835	
RPD = 0.93						

2 2,4-D

1	8.055	8.055	0.000	16643608	0.0865	
2	8.889	8.889	0.000	5627804	0.0843	
RPD = 2.50						

Data File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\1000008.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
12 Silvex (2,4,5-TP)						
1	8.907	8.907	0.000	19772240	0.0203	
2	9.812	9.812	0.000	6243793	0.0202	
					RPD = 0.33	
1 2,4,5-T						
1	9.217	9.217	0.000	15283394	0.0203	
2	10.292	10.292	0.000	4950345	0.0203	
					RPD = 0.32	
3 2,4-DB						
1	9.834	9.834	0.000	6036792	0.0838	
2	10.940	10.940	0.000	2138596	0.0839	
					RPD = 0.07	
8 Dinoseb						
1	11.009	11.009	0.000	7815768	0.0125	
2	11.294	11.294	0.000	2277691	0.0122	
					RPD = 2.98	

Report Date: 27-Mar-2013 11:11:06

Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\P1000008.D

Injection Date: 22-Mar-2013 18:13:54

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 79197

Lims Sample ID: 8

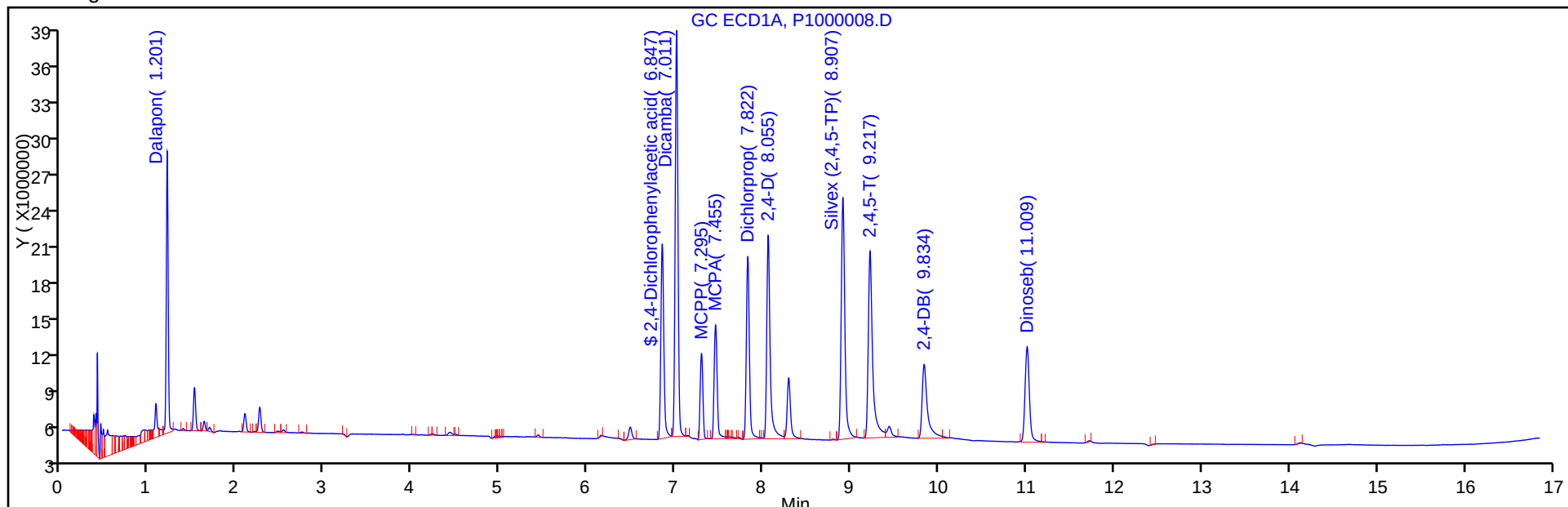
Operator ID: 001754

Injection Vol: 1.0 ul

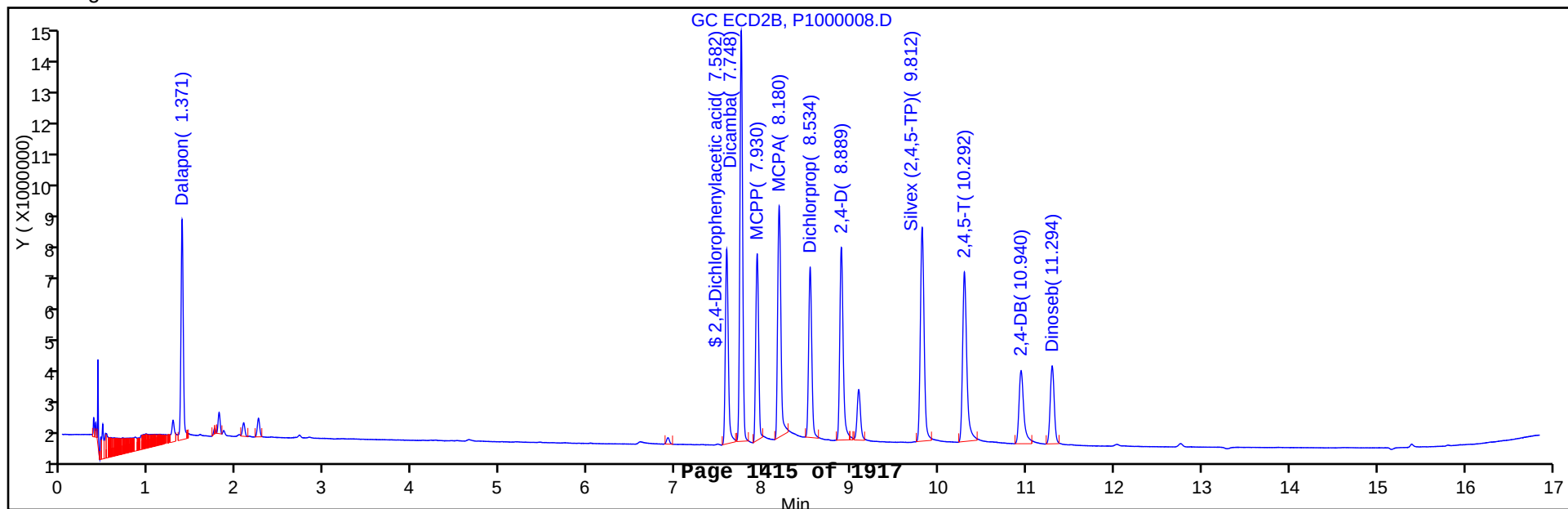
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\P1000009.D
 Lims ID: STD4 HERB CORP Client ID:
 Inject. Date: 22-Mar-2013 18:37:19 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 4
 Sample ID: 240-0018190-009
 Misc. Info.:
 Operator: 001754 Instrument ID: A2HP1
 Injection Vol: 1.0 ul ALS Bottle#: 9
 Lims Batch ID: 79197 Lims Sample ID: 9
 Sublist: chrom-8151_1*sub2
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\8151_1.m
 Last Update: 27-Mar-2013 11:11:09 Calib Date: 22-Mar-2013 19:24:11
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\P1000011.D
 Limit Group: GC 8151 DOD
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK004

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

5 Dalapon

1	1.201	1.201	0.000	41343174	0.0733	
2	1.370	1.371	-0.001	11908562	0.0766	
RPD = 4.39						

\$ 4 2,4-Dichlorophenylacetic acid

1	6.847	6.847	0.000	28259819	0.1499	
2	7.581	7.582	-0.001	10632848	0.1567	
RPD = 4.46						

6 Dicamba

1	7.010	7.011	-0.001	60283241	0.0752	
2	7.747	7.748	-0.001	22863232	0.0792	
RPD = 5.19						

10 MCPP

1	7.294	7.295	-0.001	26327116	16.3	
2	7.928	7.930	-0.002	20781984	16.8	
RPD = 2.75						

9 MCPA

1	7.455	7.455	0.000	35505946	16.5	
2	8.180	8.180	0.000	29025248	16.4	
RPD = 0.68						

7 Dichlorprop

1	7.822	7.822	0.000	26373827	0.1487	
2	8.532	8.534	-0.002	9260940	0.1556	
RPD = 4.53						

2 2,4-D

1	8.053	8.055	-0.002	30950056	0.1608	
2	8.887	8.889	-0.002	10879976	0.1631	
RPD = 1.38						

Data File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\P1000009.D

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

12 Silvex (2,4,5-TP)

1	8.906	8.907	-0.001	38264016	0.0392	
2	9.810	9.812	-0.002	12609813	0.0408	
RPD = 3.94						

1 2,4,5-T

1	9.212	9.217	-0.005	30219742	0.0402	
2	10.291	10.292	-0.001	10105046	0.0413	
RPD = 2.86						

3 2,4-DB

1	9.830	9.834	-0.004	11392770	0.1582	
2	10.936	10.940	-0.004	4228919	0.1658	
RPD = 4.73						

8 Dinoseb

1	11.006	11.009	-0.003	14057865	0.0225	
2	11.293	11.294	-0.001	4563824	0.0243	
RPD = 7.81						

Report Date: 27-Mar-2013 11:11:09

Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\P1000009.D

Injection Date: 22-Mar-2013 18:37:19

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 79197

Lims Sample ID: 9

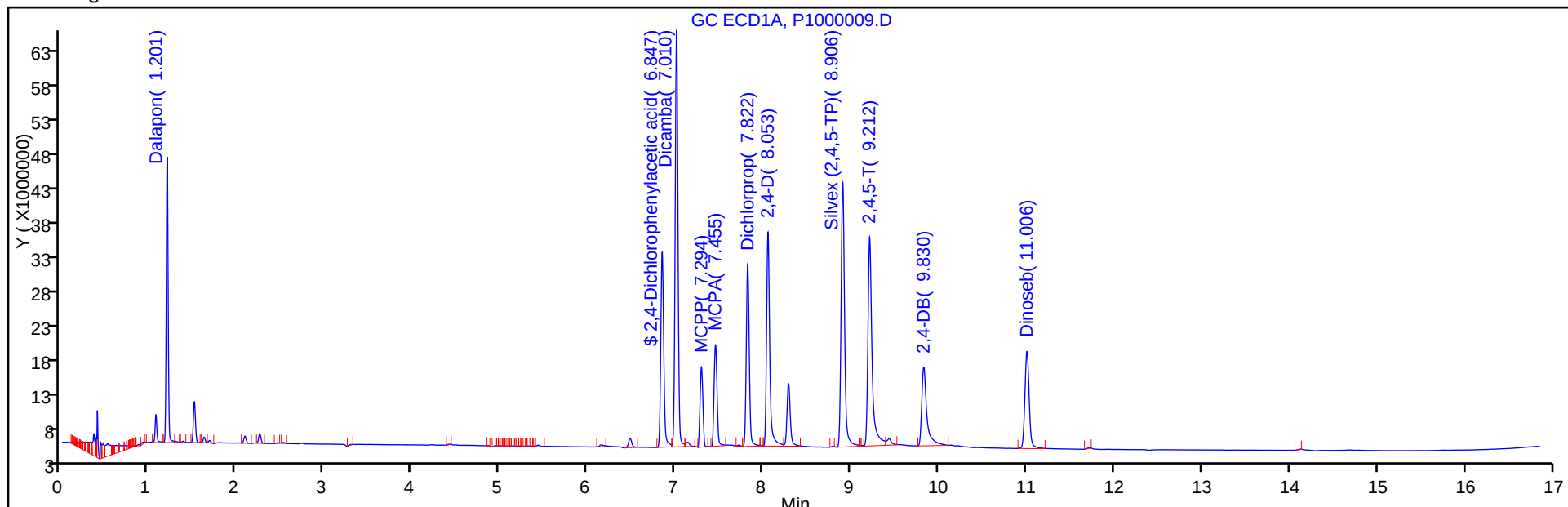
Operator ID: 001754

Injection Vol: 1.0 ul

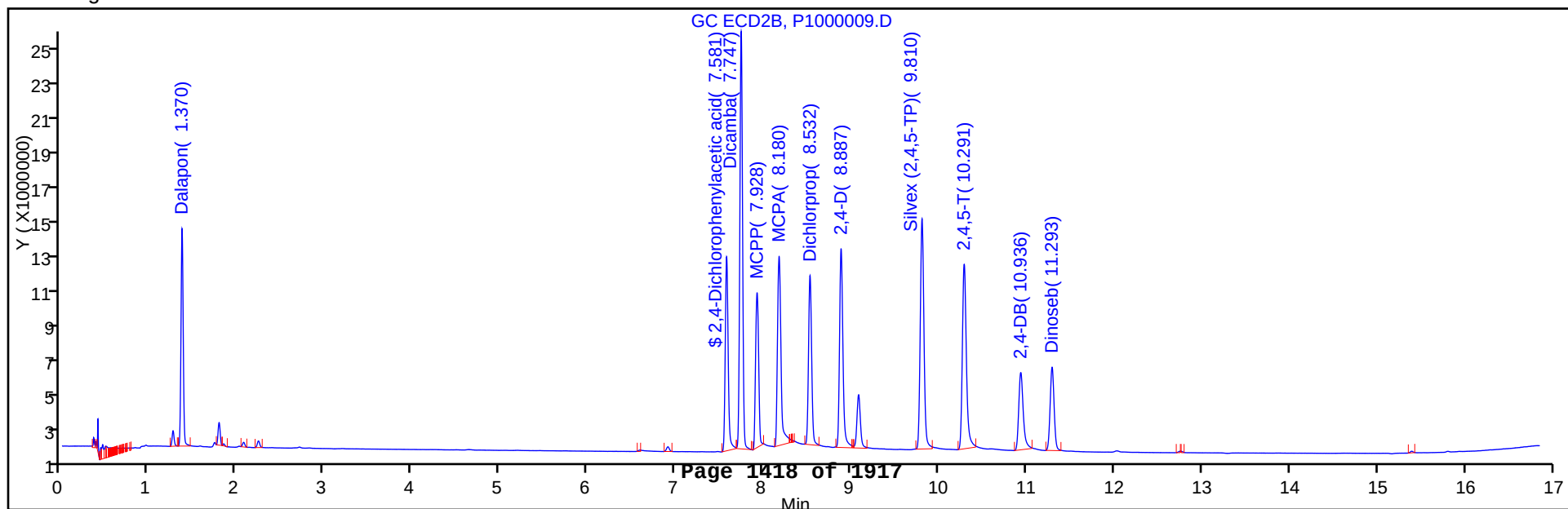
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20130322-18190.b\P1000010.D
 Lims ID: STD5 HERB CORP Client ID:
 Inject. Date: 22-Mar-2013 19:00:46 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 5
 Sample ID: 240-0018190-010
 Misc. Info.:
 Operator: 001754 Instrument ID: A2HP1
 Injection Vol: 1.0 ul ALS Bottle#: 10
 Lims Batch ID: 79197 Lims Sample ID: 10
 Sublist: chrom-8151_1*sub2
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCChrom\ChromData\A2HP1\20130322-18190.b\8151_1.m
 Last Update: 27-Mar-2013 11:11:12 Calib Date: 22-Mar-2013 19:24:11
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCChrom\ChromData\A2HP1\20130322-18190.b\P1000011.D
 Limit Group: GC 8151 DOD
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK004

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

5 Dalapon

1	1.201	1.201	0.000	77414194	0.1372	
2	1.371	1.371	0.000	23298953	0.1498	
RPD = 8.77						

\$ 4 2,4-Dichlorophenylacetic acid

1	6.846	6.847	-0.001	51433113	0.2728	
2	7.580	7.582	-0.002	19936795	0.2938	
RPD = 7.44						

6 Dicamba

1	7.009	7.011	-0.002	116152363	0.1450	
2	7.748	7.748	0.000	43741627	0.1516	
RPD = 4.48						

10 MCPP

1	7.294	7.295	-0.001	46648834	31.4	
2	7.929	7.930	-0.001	34447490	31.0	
RPD = 1.49						

9 MCPA

1	7.454	7.455	-0.001	59337198	31.1	
2	8.180	8.180	0.000	50495055	31.4	
RPD = 0.92						

7 Dichlorprop

1	7.822	7.822	0.000	48595465	0.2740	
2	8.533	8.534	-0.001	17735610	0.2980	
RPD = 8.39						

2 2,4-D

1	8.051	8.055	-0.004	58687071	0.3050	
2	8.887	8.889	-0.002	21127355	0.3166	
RPD = 3.76						

Data File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\P1000010.D

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

12 Silvex (2,4,5-TP)

1	8.904	8.907	-0.003	76819482	0.0787	
2	9.809	9.812	-0.003	25274896	0.0818	
RPD = 3.78						

1 2,4,5-T

1	9.209	9.217	-0.008	62397185	0.0830	
2	10.288	10.292	-0.004	21150357	0.0865	
RPD = 4.22						

3 2,4-DB

1	9.824	9.834	-0.010	23785336	0.3302	
2	10.934	10.940	-0.006	8771635	0.3440	
RPD = 4.08						

8 Dinoseb

1	11.005	11.009	-0.004	26782198	0.0429	
2	11.291	11.294	-0.003	9093999	0.0485	
RPD = 12.29						

Report Date: 27-Mar-2013 11:11:12

Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\P1000010.D

Injection Date: 22-Mar-2013 19:00:46

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 79197

Lims Sample ID: 10

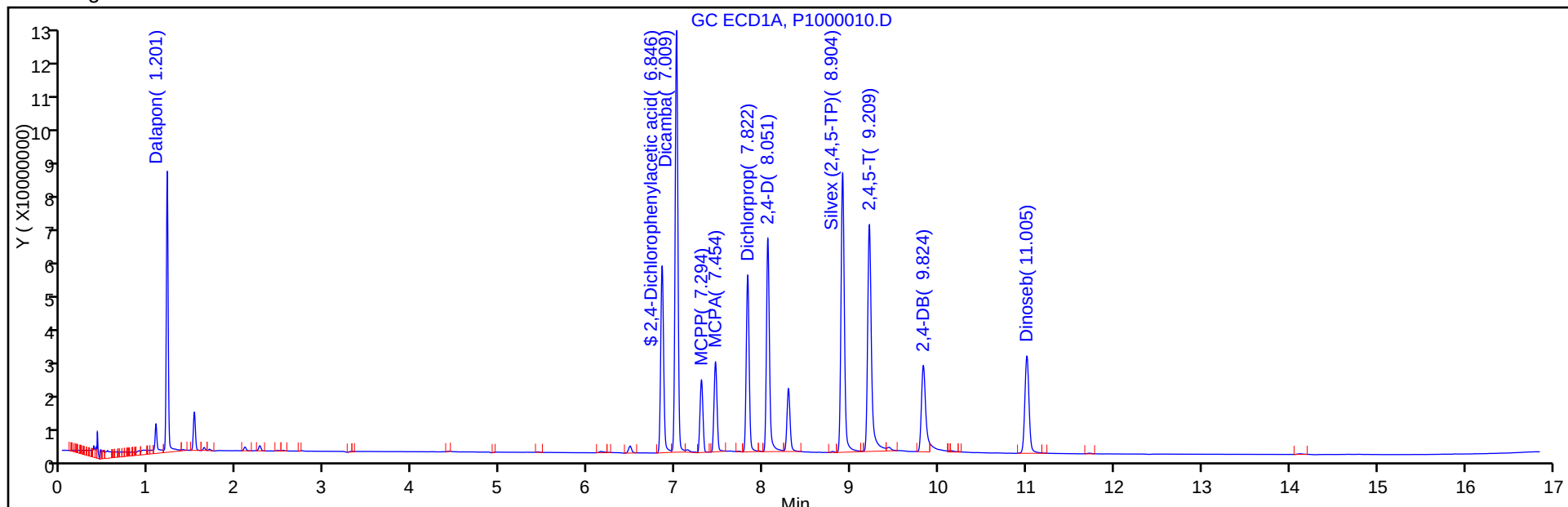
Operator ID: 001754

Injection Vol: 1.0 ul

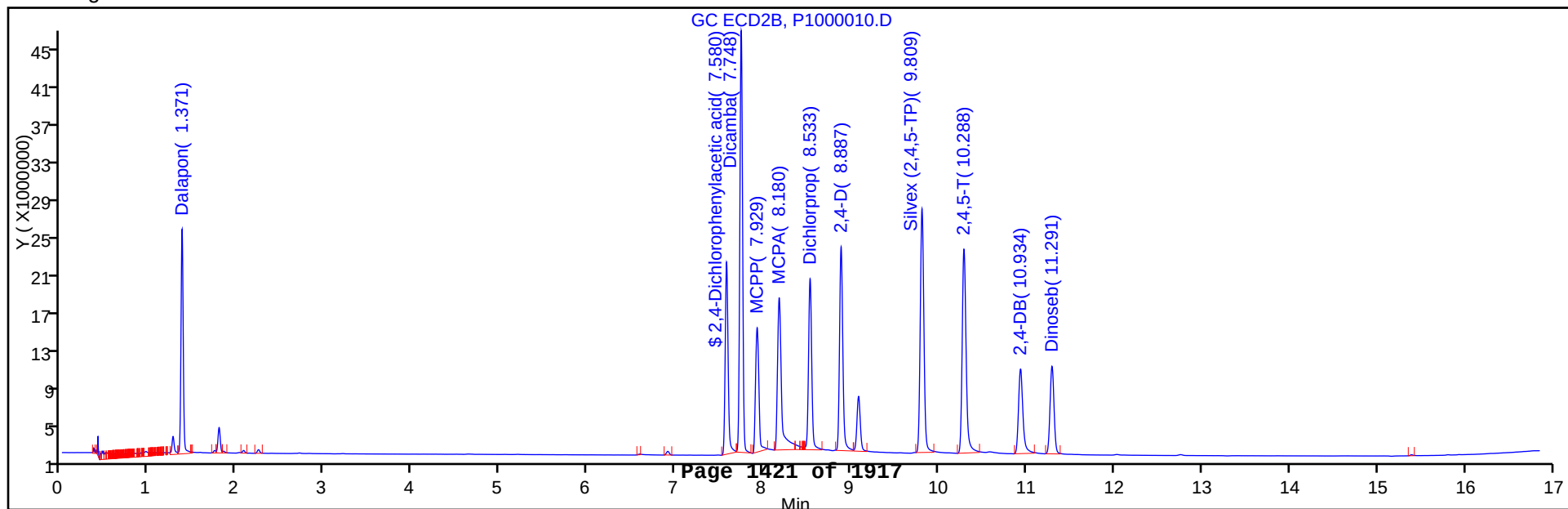
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\P1000011.D
 Lims ID: STD6 HERB CORP Client ID:
 Inject. Date: 22-Mar-2013 19:24:11 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 6
 Sample ID: 240-0018190-011
 Misc. Info.:
 Operator: 001754 Instrument ID: A2HP1
 Injection Vol: 1.0 ul ALS Bottle#: 11
 Lims Batch ID: 79197 Lims Sample ID: 11
 Sublist: chrom-8151_1*sub2
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\8151_1.m
 Last Update: 27-Mar-2013 11:11:14 Calib Date: 22-Mar-2013 19:24:11
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\P1000011.D
 Limit Group: GC 8151 DOD
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK004

First Level Reviewer: bolgrind

Date:

25-Mar-2013 10:49:11

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

5 Dalapon

1	1.201	1.201	0.000	146669878	0.2600	
2	1.370	1.371	-0.001	44533504	0.2863	
RPD = 9.65						

\$ 4 2,4-Dichlorophenylacetic acid

1	6.845	6.847	-0.002	94044156	0.4988	
2	7.580	7.582	-0.002	38246557	0.5637	
RPD = 12.23						

6 Dicamba

1	7.010	7.011	-0.001	220412076	0.2751	
2	7.749	7.748	0.001	83907055	0.2908	
RPD = 5.56						

10 MCPP

1	7.295	7.295	0.000	82407313	64.2	
2	7.930	7.930	0.000	59747602	64.3	
RPD = 0.19						

9 MCPA

1	7.455	7.455	0.000	104383834	64.2	
2	8.182	8.180	0.002	92234923	64.1	
RPD = 0.14						

7 Dichlorprop

1	7.820	7.822	-0.002	89216360	0.5031	
2	8.533	8.534	-0.001	34759414	0.5841	
RPD = 14.90						

2 2,4-D

1	8.051	8.055	-0.004	110114343	0.5722	
2	8.886	8.889	-0.003	41663677	0.6244	
RPD = 8.73						

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

12 Silvex (2,4,5-TP)

1	8.904	8.907	-0.003	150467936	0.1542	
2	9.809	9.812	-0.003	50406600	0.1631	
RPD = 5.58						

1 2,4,5-T

1	9.206	9.217	-0.011	127826355	0.1700	
2	10.285	10.292	-0.007	43833333	0.1794	
RPD = 5.38						

3 2,4-DB

1	9.820	9.834	-0.014	48928404	0.6793	
2	10.929	10.940	-0.011	18660468	0.7318	
RPD = 7.44						

8 Dinoseb

1	11.003	11.009	-0.006	50765331	0.0813	
2	11.292	11.294	-0.002	18630095	0.0994	
RPD = 20.01						

Report Date: 27-Mar-2013 11:11:14

Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\P1000011.D

Injection Date: 22-Mar-2013 19:24:11

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 79197

Lims Sample ID: 11

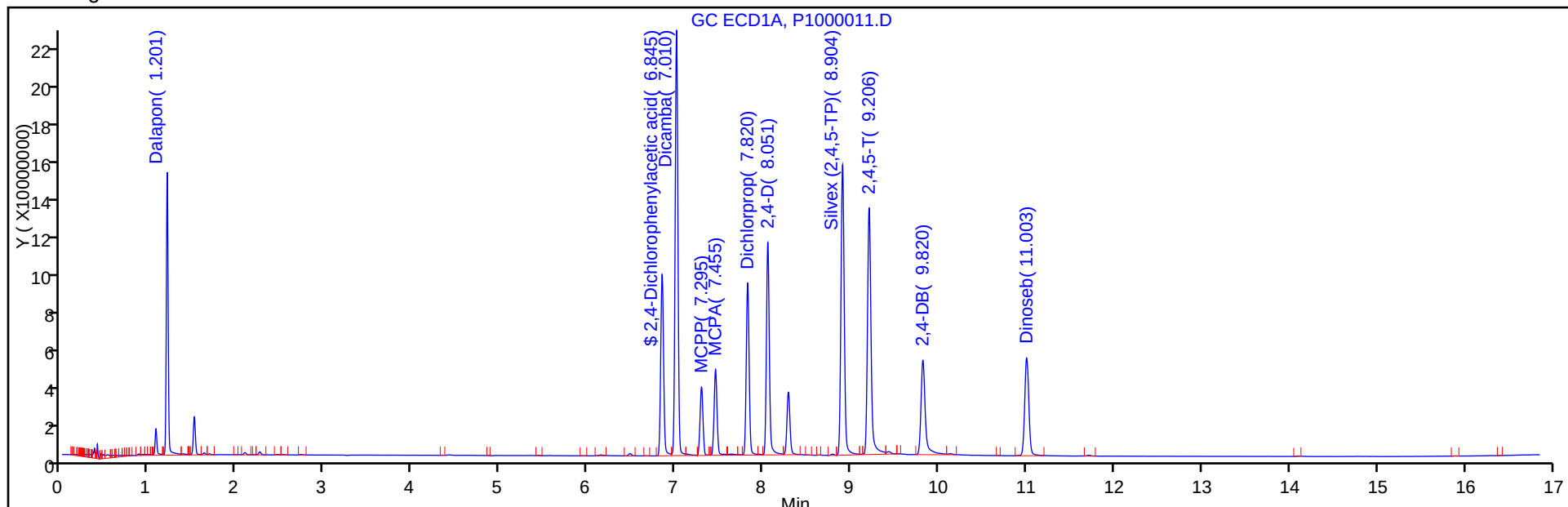
Operator ID: 001754

Injection Vol: 1.0 ul

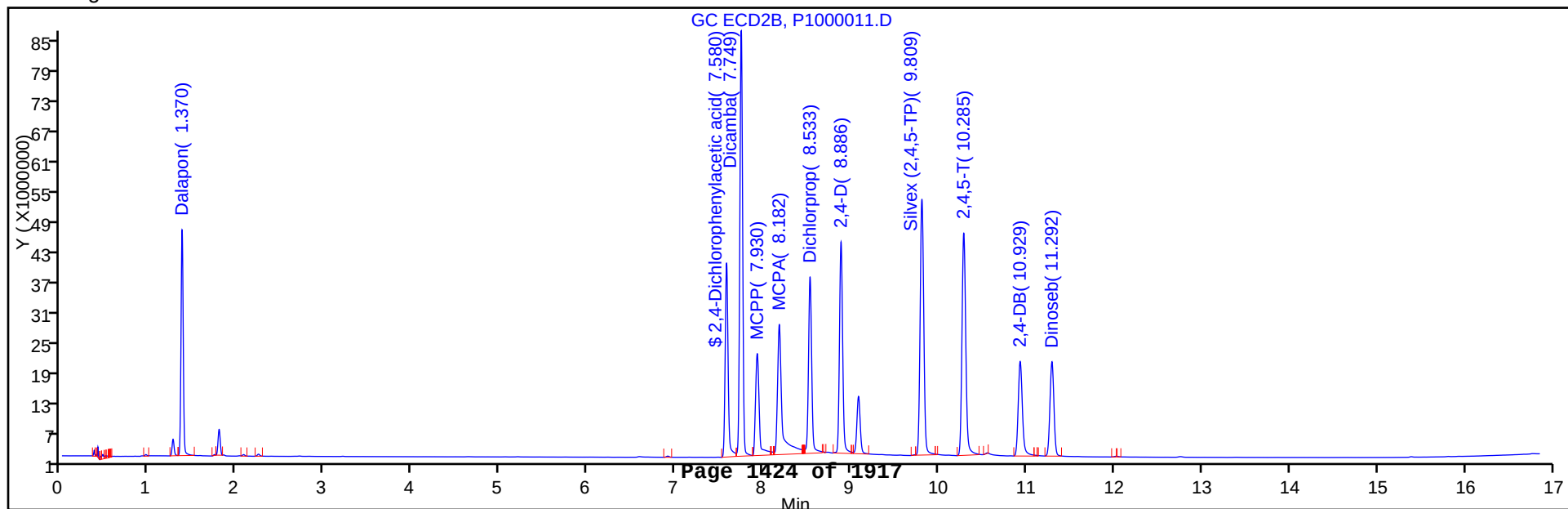
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-21987-1 Analy Batch No.: 79197

SDG No.: _____

Instrument ID: A2HP1 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/22/2013 17:26 Calibration End Date: 03/22/2013 19:24 Calibration ID: 14206

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-79197/6	P1000006.D
Level 2	STD2 240-79197/7	P1000007.D
Level 3	STD3 240-79197/8	P1000008.D
Level 4	STD4 240-79197/9	P1000009.D
Level 5	STD5 240-79197/10	P1000010.D
Level 6	STD6 240-79197/11	P1000011.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Dalapon	1.371	1.371	1.371	1.370	1.371	1.370					1.351 - 1.391	1.371
Dicamba	7.748	7.749	7.748	7.747	7.748	7.749					7.728 - 7.768	7.748
MCPD	7.930	7.930	7.930	7.928	7.929	7.930					7.910 - 7.950	7.930
MCPA	8.182	8.181	8.180	8.180	8.180	8.182					8.160 - 8.200	8.181
Dichlorprop	8.536	8.535	8.534	8.532	8.533	8.533					8.514 - 8.554	8.534
2,4-D	8.895	8.893	8.889	8.887	8.887	8.886					8.869 - 8.909	8.890
Silvex (2,4,5-TP)	9.815	9.812	9.812	9.810	9.809	9.809					9.792 - 9.832	9.811
2,4,5-T	10.300	10.299	10.292	10.291	10.288	10.285					10.272 - 10.312	10.293
2,4-DB	10.948	10.947	10.940	10.936	10.934	10.929					10.920 - 10.960	10.939
Dinoseb	11.296	11.296	11.294	11.293	11.291	11.292					11.264 - 11.324	11.294
2,4-Dichlorophenylacetic acid	7.585	7.584	7.582	7.581	7.580	7.580					7.562 - 7.602	7.582

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-21987-1 Analy Batch No.: 79197

SDG No.: _____

Instrument ID: A2HP1 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/22/2013 17:26 Calibration End Date: 03/22/2013 19:24 Calibration ID: 14206

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-79197/6	P1000006.D
Level 2	STD2 240-79197/7	P1000007.D
Level 3	STD3 240-79197/8	P1000008.D
Level 4	STD4 240-79197/9	P1000009.D
Level 5	STD5 240-79197/10	P1000010.D
Level 6	STD6 240-79197/11	P1000011.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Dalapon	174933200 145618456	163820700 139167200	160824250	148857025	Ave		155536805				8.5		20.0			
Dicamba	305284300 273385169	304541050 262209547	299762850	285790400	Ave		288495553				6.2		20.0			
MCPD	1757838 1076484	1758359 933556	1563208	1298874	Qua	2352545.44	1170751.19	-4321.9908						0.9980		0.9900
MCPA	2712626 1577970	2609119 1441171	2167753	1814078	Qua	3668819.30	1600075.72	-3418.2196						0.9990		0.9900
Dichlorprop	64140600 55423781	63215325 54311584	62105900	57880875	Ave		59513010.9				7.1		20.0			
2,4-D	64186850 66022984	66680550 65099495	70347550	67999850	Ave		66722879.9				3.3		20.0			
Silvex (2,4,5-TP)	296909800 315936200	298988700 315041250	312189650	315245325	Ave		309051821				2.8		20.0			
2,4,5-T	209883200 264379463	217947300 273958331	247517250	252626150	Ave		244385282				10.0		20.0			
2,4-DB	20926600 27411359	22337400 29156981	26732450	26430744	Ave		25499255.7				12.0		20.0			
Dinoseb	179809333 189458313	181382000 194063490	189807583	190159333	Ave		1874446675				3.0		20.0			
2,4-Dichlorophenylacetic acid	74539000 62302484	72959525 59760245	71076425	66455300	Ave		67848829.9				8.8		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-21987-1 Analy Batch No.: 79197

SDG No.: _____

Instrument ID: A2HP1 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/22/2013 17:26 Calibration End Date: 03/22/2013 19:24 Calibration ID: 14206

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-79197/6	P1000006.D
Level 2	STD2 240-79197/7	P1000007.D
Level 3	STD3 240-79197/8	P1000008.D
Level 4	STD4 240-79197/9	P1000009.D
Level 5	STD5 240-79197/10	P1000010.D
Level 6	STD6 240-79197/11	P1000011.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dalapon	Ave	1749332 44533504	3276414	6432970	11908562	23298953	0.0100 0.320	0.0200	0.0400	0.0800	0.160
Dicamba	Ave	3052843 83907055	6090821	11990514	22863232	43741627	0.0100 0.320	0.0200	0.0400	0.0800	0.160
MCPFP	Qua	3515676 59747602	7033437	12505664	20781984	34447490	2.00 64.0	4.00	8.00	16.0	32.0
MCPA	Qua	5425252 92234923	10436475	17342024	29025248	50495055	2.00 64.0	4.00	8.00	16.0	32.0
Dichlorprop	Ave	1282812 34759414	2528613	4968472	9260940	17735610	0.0200 0.640	0.0400	0.0800	0.160	0.320
2,4-D	Ave	1283737 41663677	2667222	5627804	10879976	21127355	0.0200 0.640	0.0400	0.0800	0.160	0.320
Silvex (2,4,5-TP)	Ave	1484549 50406600	2989887	6243793	12609813	25274896	0.00500 0.160	0.0100	0.0200	0.0400	0.0800
2,4,5-T	Ave	1049416 43833333	2179473	4950345	10105046	21150357	0.00500 0.160	0.0100	0.0200	0.0400	0.0800
2,4-DB	Ave	418532 18660468	893496	2138596	4228919	8771635	0.0200 0.640	0.0400	0.0800	0.160	0.320
Dinoseb	Ave	539428 18630095	1088292	2277691	4563824	9093999	0.00300 0.0960	0.00600	0.0120	0.0240	0.0480
2,4-Dichlorophenylacetic acid	Ave	1490780 38246557	2918381	5686114	10632848	19936795	0.0200 0.640	0.0400	0.0800	0.160	0.320

Curve Type Legend:

Ave = Average by Height
Qua = Quadratic

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\P1000006.D
 Lims ID: STD1 HERB CORP Client ID:
 Inject. Date: 22-Mar-2013 17:26:58 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID: 240-0018190-006
 Misc. Info.:
 Operator: 001754 Instrument ID: A2HP1
 Injection Vol: 1.0 ul ALS Bottle#: 6
 Lims Batch ID: 79197 Lims Sample ID: 6
 Sublist: chrom-8151_1*sub2
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\8151_1.m
 Last Update: 27-Mar-2013 11:11:01 Calib Date: 22-Mar-2013 19:24:11
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\P1000011.D
 Limit Group: GC 8151 DOD
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK004

First Level Reviewer: bolgrind

Date:

25-Mar-2013 10:42:59

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

5 Dalapon

1	1.201	1.201	0.000	7070340	0.0125	
2	1.371	1.371	0.000	1749332	0.0112	
RPD = 10.80						

\$ 4 2,4-Dichlorophenylacetic acid

1	6.850	6.847	0.003	4623210	0.0245	
2	7.585	7.582	0.003	1490780	0.0220	
RPD = 10.96						

6 Dicamba

1	7.011	7.011	0.000	9351553	0.0117	
2	7.748	7.748	0.000	3052843	0.0106	
RPD = 9.80						

10 MCPP

1	7.295	7.295	0.000	3707348	1.32	
2	7.930	7.930	0.000	3515676	1.00	
RPD = 27.59						

9 MCPA

1	7.456	7.455	0.001	7302682	1.00	
2	8.182	8.180	0.002	5425252	1.10	
RPD = 9.83						

7 Dichlorprop

1	7.825	7.822	0.003	4382262	0.0247	
2	8.536	8.534	0.002	1282812	0.0216	
RPD = 13.64						

2 2,4-D

1	8.064	8.055	0.009	4018023	0.0209	
2	8.895	8.889	0.006	1283737	0.0192	
RPD = 8.17						

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

12 Silvex (2,4,5-TP)

1	8.911	8.907	0.004	5109680	0.005238	
2	9.815	9.812	0.003	1484549	0.004804	
RPD = 8.65						

1 2,4,5-T

1	9.228	9.217	0.011	3605628	0.004794	
2	10.300	10.292	0.008	1049416	0.004294	
RPD = 11.01						

3 2,4-DB

1	9.846	9.834	0.012	1387198	0.0193	
2	10.948	10.940	0.008	418532	0.0164	
RPD = 15.96						

8 Dinoseb

1	11.013	11.009	0.004	2193737	0.003514	
2	11.296	11.294	0.002	539428	0.002878	
RPD = 19.90						

Report Date: 27-Mar-2013 11:11:02

Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\P1000006.D

Injection Date: 22-Mar-2013 17:26:58

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 79197

Lims Sample ID: 6

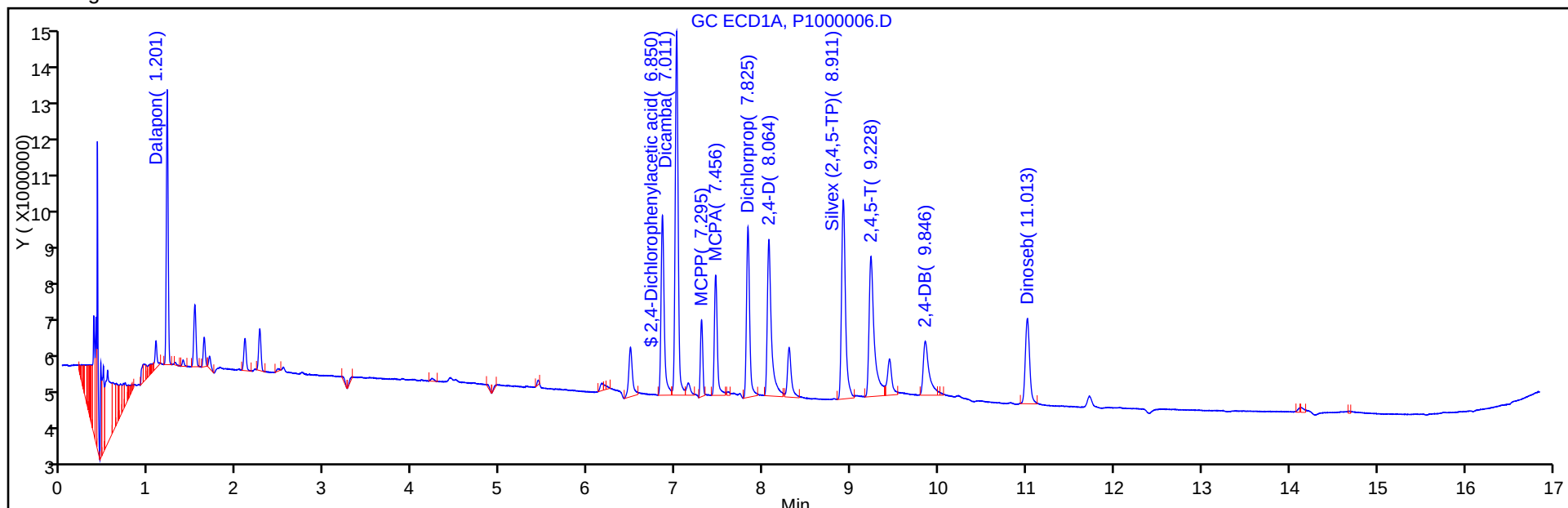
Operator ID: 001754

Injection Vol: 1.0 ul

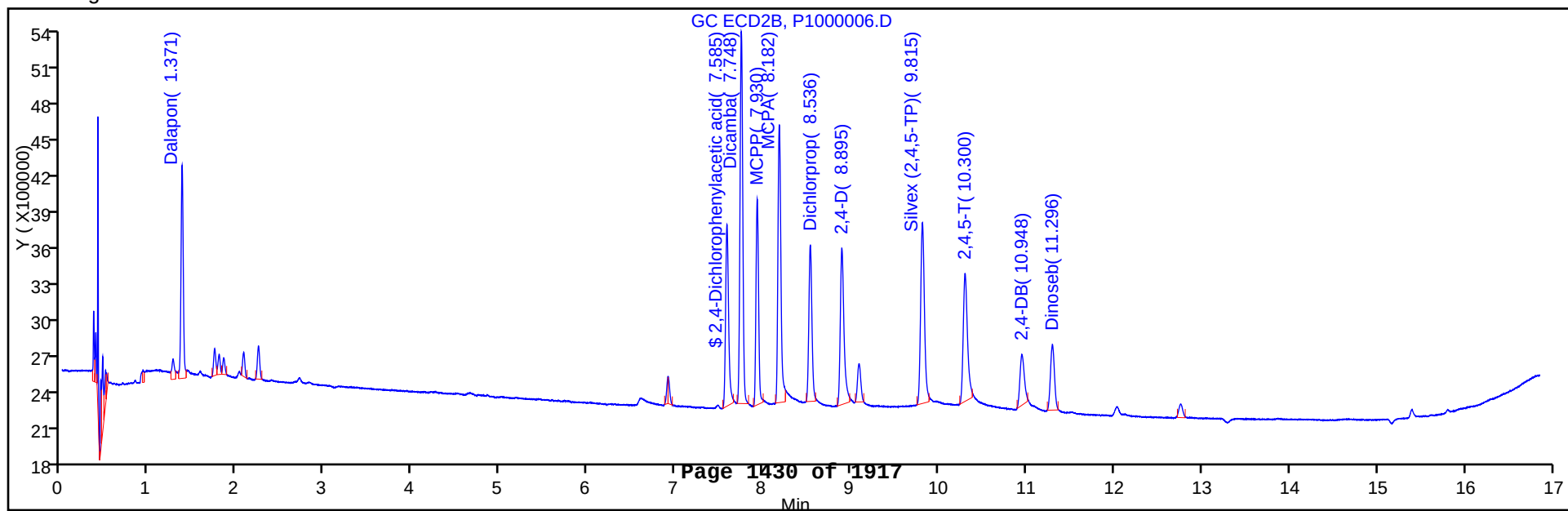
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\P1000007.D
 Lims ID: STD2 HERB CORP Client ID:
 Inject. Date: 22-Mar-2013 17:50:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID: 240-0018190-007
 Misc. Info.:
 Operator: 001754 Instrument ID: A2HP1
 Injection Vol: 1.0 ul ALS Bottle#: 7
 Lims Batch ID: 79197 Lims Sample ID: 7
 Sublist: chrom-8151_1*sub2
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\8151_1.m
 Last Update: 27-Mar-2013 11:11:03 Calib Date: 22-Mar-2013 19:24:11
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\P1000011.D
 Limit Group: GC 8151 DOD
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK004

First Level Reviewer: bolgrind

Date:

25-Mar-2013 10:53:20

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

5 Dalapon

1	1.201	1.201	0.000	12855224	0.0228	
2	1.371	1.371	0.000	3276414	0.0211	
RPD = 7.84						

\$ 4 2,4-Dichlorophenylacetic acid

1	6.848	6.847	0.001	8679553	0.0460	
2	7.584	7.582	0.002	2918381	0.0430	
RPD = 6.78						

6 Dicamba

1	7.011	7.011	0.000	17455098	0.0218	
2	7.749	7.748	0.001	6090821	0.0211	
RPD = 3.14						

10 MCPP

1	7.296	7.295	0.001	7979111	4.03	
2	7.930	7.930	0.000	7033437	4.06	
RPD = 0.65						

9 MCPA

1	7.456	7.455	0.001	12847000	3.93	
2	8.181	8.180	0.001	10436475	4.27	
RPD = 8.20						

7 Dichlorprop

1	7.822	7.822	0.000	8082433	0.0456	
2	8.535	8.534	0.001	2528613	0.0425	
RPD = 7.01						

2 2,4-D

1	8.058	8.055	0.003	7873819	0.0409	M
2	8.893	8.889	0.004	2667222	0.0400	M

RPD = 2.32

Data File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\1000007.D

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

12 Silvex (2,4,5-TP)

1	8.909	8.907	0.002	9851281	0.0101	
2	9.812	9.812	0.000	2989887	0.009674	
RPD = 4.29						

1 2,4,5-T

1	9.224	9.217	0.007	6928138	0.009212	
2	10.299	10.292	0.007	2179473	0.008918	
RPD = 3.24						

3 2,4-DB

1	9.844	9.834	0.010	2614225	0.0363	
2	10.947	10.940	0.007	893496	0.0350	
RPD = 3.52						

8 Dinoseb

1	11.008	11.009	-0.001	4144896	0.006639	
2	11.296	11.294	0.002	1088292	0.005806	
RPD = 13.39						

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 27-Mar-2013 11:11:04

Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\P1000007.D

Injection Date: 22-Mar-2013 17:50:30

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 79197

Lims Sample ID: 7

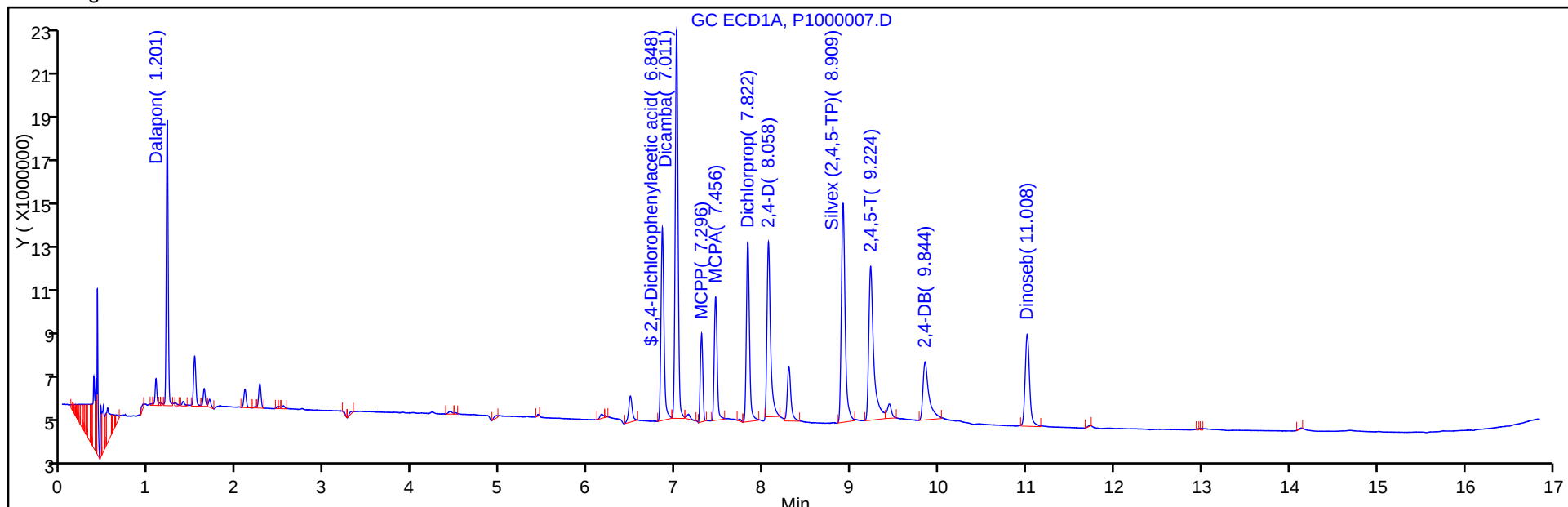
Operator ID: 001754

Injection Vol: 1.0 ul

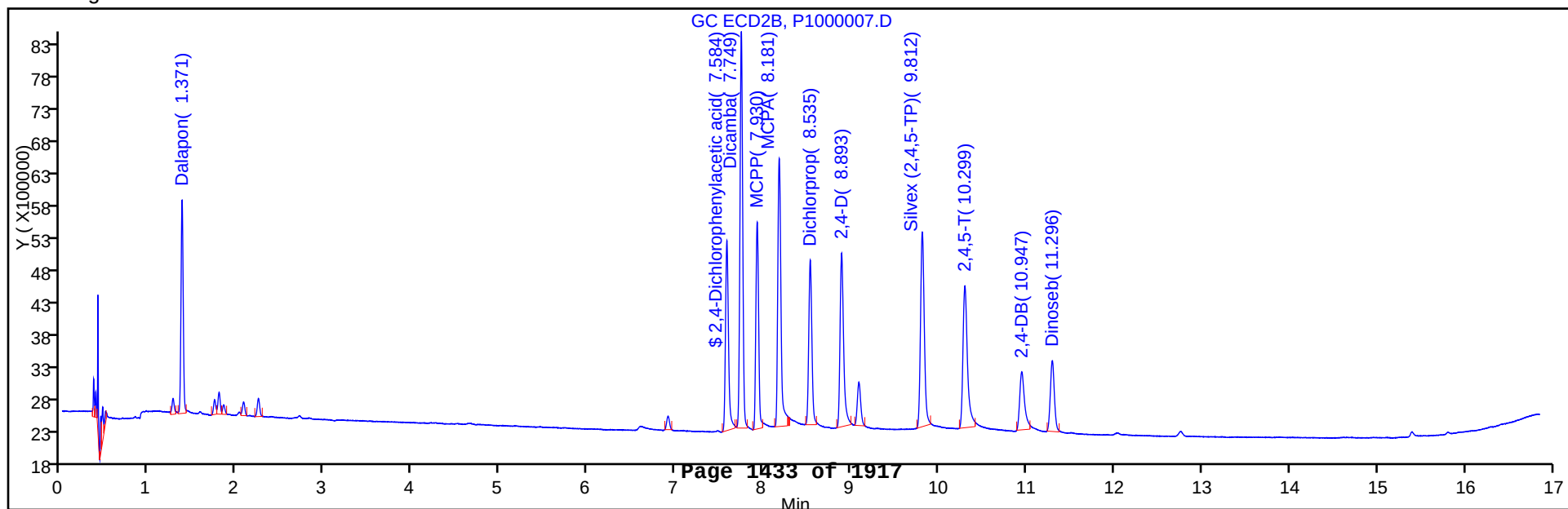
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\P1000008.D
 Lims ID: STD3 HERB CORP Client ID:
 Inject. Date: 22-Mar-2013 18:13:54 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 3
 Sample ID: 240-0018190-008
 Misc. Info.:
 Operator: 001754 Instrument ID: A2HP1
 Injection Vol: 1.0 ul ALS Bottle#: 8
 Lims Batch ID: 79197 Lims Sample ID: 8
 Sublist: chrom-8151_1*sub2
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\8151_1.m
 Last Update: 27-Mar-2013 11:11:06 Calib Date: 22-Mar-2013 19:24:11
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\P1000011.D
 Limit Group: GC 8151 DOD
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK004

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

5 Dalapon

1	1.201	1.201	0.000	23061043	0.0409	
2	1.371	1.371	0.000	6432970	0.0414	
RPD = 1.18						

\$ 4 2,4-Dichlorophenylacetic acid

1	6.847	6.847	0.000	15912261	0.0844	
2	7.582	7.582	0.000	5686114	0.0838	
RPD = 0.69						

6 Dicamba

1	7.011	7.011	0.000	33240722	0.0415	
2	7.748	7.748	0.000	11990514	0.0416	
RPD = 0.18						

10 MCPP

1	7.295	7.295	0.000	15244751	8.77	
2	7.930	7.930	0.000	12505664	8.97	
RPD = 2.21						

9 MCPA

1	7.455	7.455	0.000	22630662	9.25	
2	8.180	8.180	0.000	17342024	8.71	
RPD = 6.02						

7 Dichlorprop

1	7.822	7.822	0.000	14944086	0.0843	
2	8.534	8.534	0.000	4968472	0.0835	
RPD = 0.93						

2 2,4-D

1	8.055	8.055	0.000	16643608	0.0865	
2	8.889	8.889	0.000	5627804	0.0843	
RPD = 2.50						

Data File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\1000008.D

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

12 Silvex (2,4,5-TP)

1	8.907	8.907	0.000	19772240	0.0203	
2	9.812	9.812	0.000	6243793	0.0202	
RPD = 0.33						

1 2,4,5-T

1	9.217	9.217	0.000	15283394	0.0203	
2	10.292	10.292	0.000	4950345	0.0203	
RPD = 0.32						

3 2,4-DB

1	9.834	9.834	0.000	6036792	0.0838	
2	10.940	10.940	0.000	2138596	0.0839	
RPD = 0.07						

8 Dinoseb

1	11.009	11.009	0.000	7815768	0.0125	
2	11.294	11.294	0.000	2277691	0.0122	
RPD = 2.98						

Report Date: 27-Mar-2013 11:11:07

Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\P1000008.D

Injection Date: 22-Mar-2013 18:13:54

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 79197

Lims Sample ID: 8

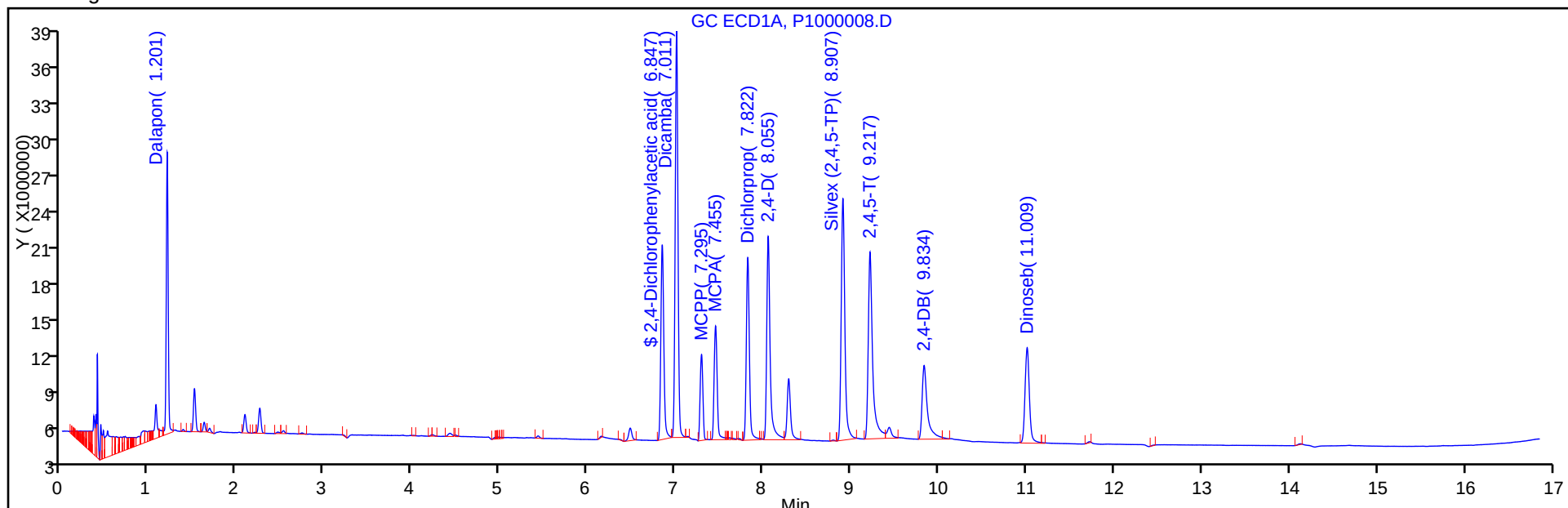
Operator ID: 001754

Injection Vol: 1.0 ul

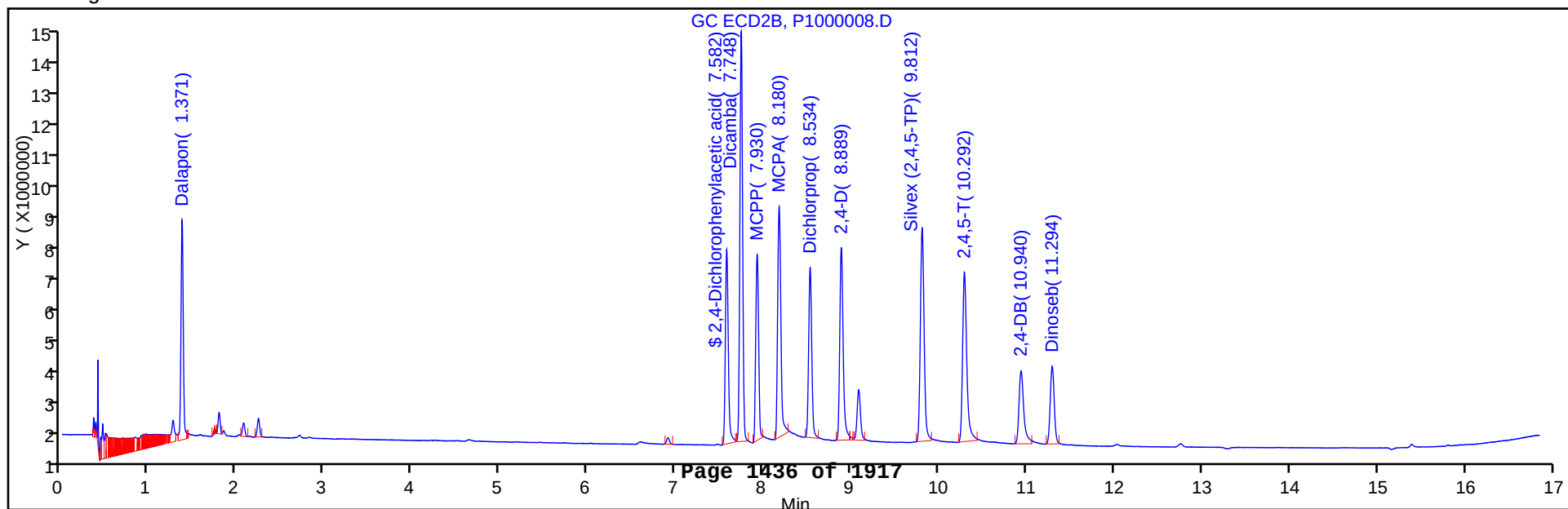
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\P1000009.D
 Lims ID: STD4 HERB CORP Client ID:
 Inject. Date: 22-Mar-2013 18:37:19 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 4
 Sample ID: 240-0018190-009
 Misc. Info.:
 Operator: 001754 Instrument ID: A2HP1
 Injection Vol: 1.0 ul ALS Bottle#: 9
 Lims Batch ID: 79197 Lims Sample ID: 9
 Sublist: chrom-8151_1*sub2
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\8151_1.m
 Last Update: 27-Mar-2013 11:11:09 Calib Date: 22-Mar-2013 19:24:11
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\P1000011.D
 Limit Group: GC 8151 DOD
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK004

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

5 Dalapon

1	1.201	1.201	0.000	41343174	0.0733	
2	1.370	1.371	-0.001	11908562	0.0766	
RPD = 4.39						

\$ 4 2,4-Dichlorophenylacetic acid

1	6.847	6.847	0.000	28259819	0.1499	
2	7.581	7.582	-0.001	10632848	0.1567	
RPD = 4.46						

6 Dicamba

1	7.010	7.011	-0.001	60283241	0.0752	
2	7.747	7.748	-0.001	22863232	0.0792	
RPD = 5.19						

10 MCPP

1	7.294	7.295	-0.001	26327116	16.3	
2	7.928	7.930	-0.002	20781984	16.8	
RPD = 2.75						

9 MCPA

1	7.455	7.455	0.000	35505946	16.5	
2	8.180	8.180	0.000	29025248	16.4	
RPD = 0.68						

7 Dichlorprop

1	7.822	7.822	0.000	26373827	0.1487	
2	8.532	8.534	-0.002	9260940	0.1556	
RPD = 4.53						

2 2,4-D

1	8.053	8.055	-0.002	30950056	0.1608	
2	8.887	8.889	-0.002	10879976	0.1631	
RPD = 1.38						

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

12 Silvex (2,4,5-TP)

1	8.906	8.907	-0.001	38264016	0.0392	
2	9.810	9.812	-0.002	12609813	0.0408	
RPD = 3.94						

1 2,4,5-T

1	9.212	9.217	-0.005	30219742	0.0402	
2	10.291	10.292	-0.001	10105046	0.0413	
RPD = 2.86						

3 2,4-DB

1	9.830	9.834	-0.004	11392770	0.1582	
2	10.936	10.940	-0.004	4228919	0.1658	
RPD = 4.73						

8 Dinoseb

1	11.006	11.009	-0.003	14057865	0.0225	
2	11.293	11.294	-0.001	4563824	0.0243	
RPD = 7.81						

Report Date: 27-Mar-2013 11:11:10

Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\P1000009.D

Injection Date: 22-Mar-2013 18:37:19

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 79197

Lims Sample ID: 9

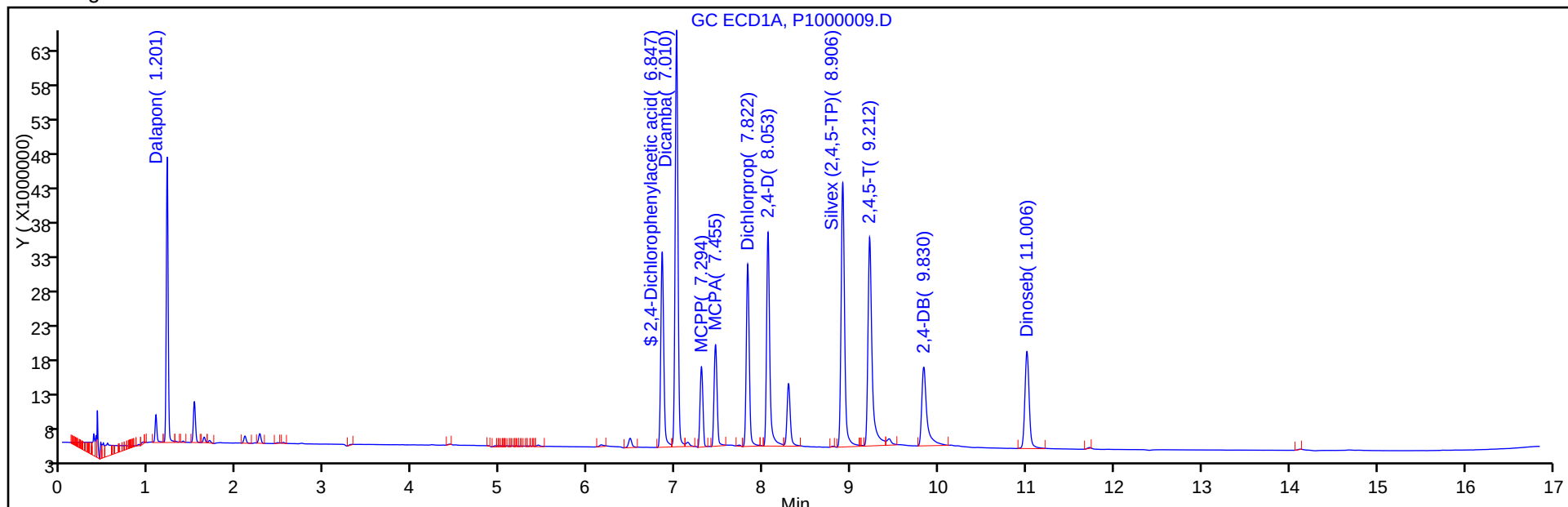
Operator ID: 001754

Injection Vol: 1.0 ul

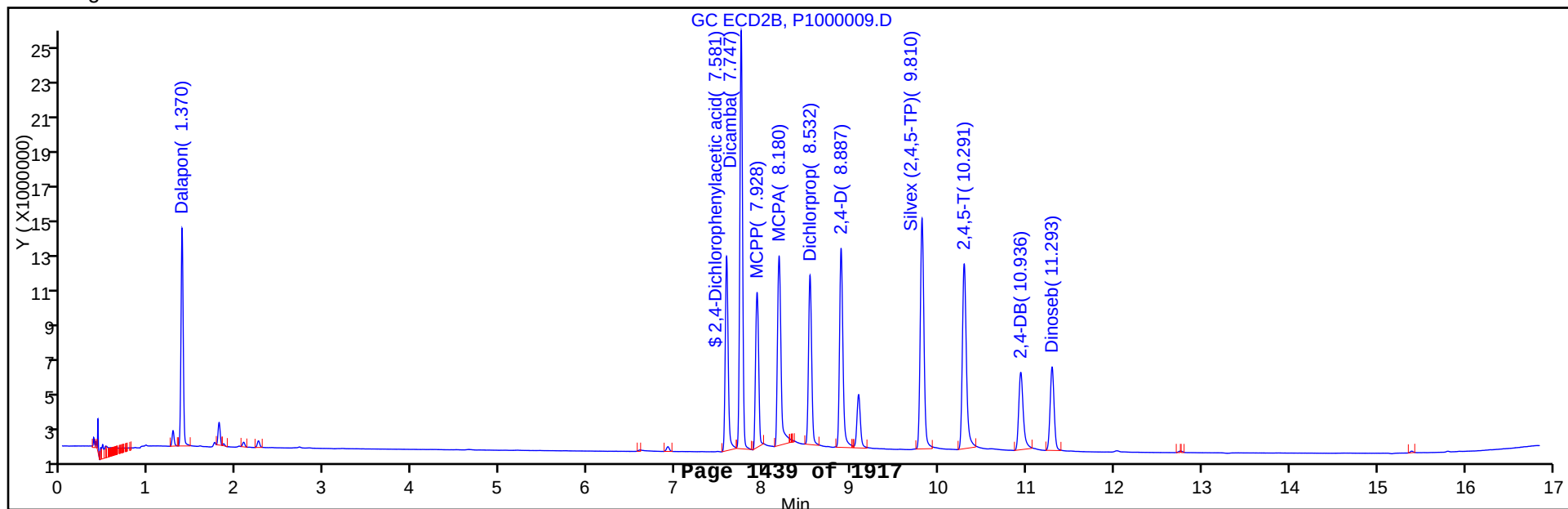
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20130322-18190.b\P1000010.D
 Lims ID: STD5 HERB CORP Client ID:
 Inject. Date: 22-Mar-2013 19:00:46 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 5
 Sample ID: 240-0018190-010
 Misc. Info.:
 Operator: 001754 Instrument ID: A2HP1
 Injection Vol: 1.0 ul ALS Bottle#: 10
 Lims Batch ID: 79197 Lims Sample ID: 10
 Sublist: chrom-8151_1*sub2
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCChrom\ChromData\A2HP1\20130322-18190.b\8151_1.m
 Last Update: 27-Mar-2013 11:11:12 Calib Date: 22-Mar-2013 19:24:11
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCChrom\ChromData\A2HP1\20130322-18190.b\P1000011.D
 Limit Group: GC 8151 DOD
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK004

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

5 Dalapon

1	1.201	1.201	0.000	77414194	0.1372	
2	1.371	1.371	0.000	23298953	0.1498	
RPD = 8.77						

\$ 4 2,4-Dichlorophenylacetic acid

1	6.846	6.847	-0.001	51433113	0.2728	
2	7.580	7.582	-0.002	19936795	0.2938	
RPD = 7.44						

6 Dicamba

1	7.009	7.011	-0.002	116152363	0.1450	
2	7.748	7.748	0.000	43741627	0.1516	
RPD = 4.48						

10 MCPP

1	7.294	7.295	-0.001	46648834	31.4	
2	7.929	7.930	-0.001	34447490	31.0	
RPD = 1.49						

9 MCPA

1	7.454	7.455	-0.001	59337198	31.1	
2	8.180	8.180	0.000	50495055	31.4	
RPD = 0.92						

7 Dichlorprop

1	7.822	7.822	0.000	48595465	0.2740	
2	8.533	8.534	-0.001	17735610	0.2980	
RPD = 8.39						

2 2,4-D

1	8.051	8.055	-0.004	58687071	0.3050	
2	8.887	8.889	-0.002	21127355	0.3166	
RPD = 3.76						

Data File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\1000010.D

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

12 Silvex (2,4,5-TP)

1	8.904	8.907	-0.003	76819482	0.0787	
2	9.809	9.812	-0.003	25274896	0.0818	
RPD = 3.78						

1 2,4,5-T

1	9.209	9.217	-0.008	62397185	0.0830	
2	10.288	10.292	-0.004	21150357	0.0865	
RPD = 4.22						

3 2,4-DB

1	9.824	9.834	-0.010	23785336	0.3302	
2	10.934	10.940	-0.006	8771635	0.3440	
RPD = 4.08						

8 Dinoseb

1	11.005	11.009	-0.004	26782198	0.0429	
2	11.291	11.294	-0.003	9093999	0.0485	
RPD = 12.29						

Report Date: 27-Mar-2013 11:11:12

Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\P1000010.D

Injection Date: 22-Mar-2013 19:00:46

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 79197

Lims Sample ID: 10

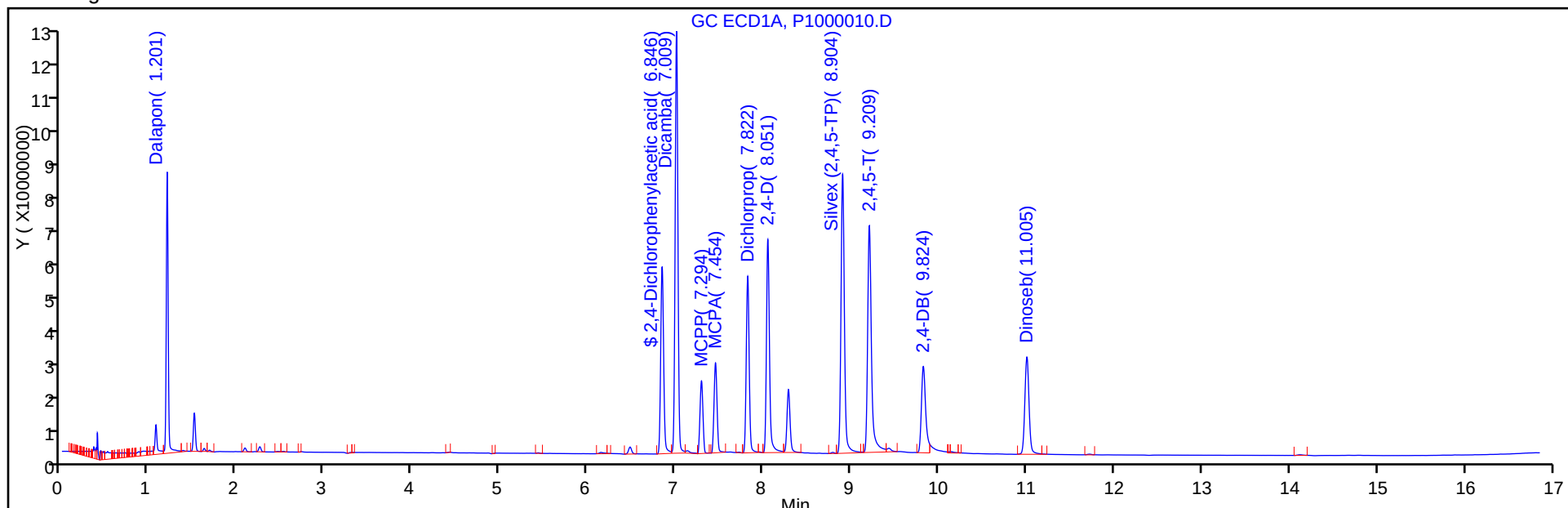
Operator ID: 001754

Injection Vol: 1.0 ul

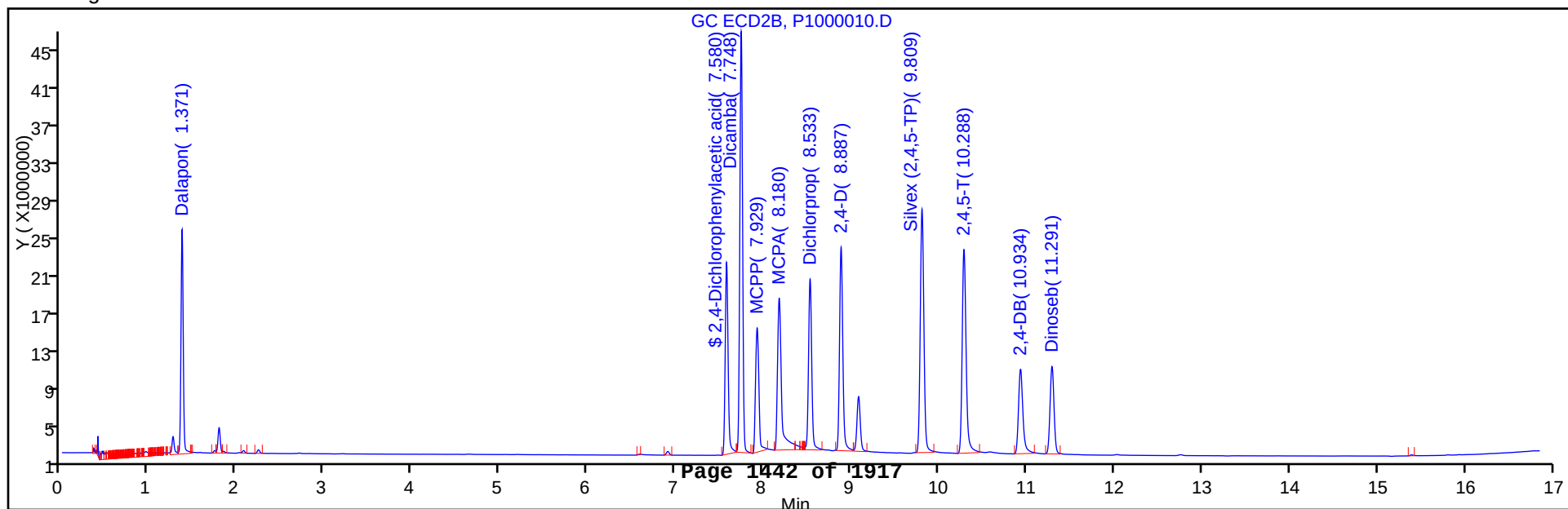
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\P1000011.D
 Lims ID: STD6 HERB CORP Client ID:
 Inject. Date: 22-Mar-2013 19:24:11 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 6
 Sample ID: 240-0018190-011
 Misc. Info.:
 Operator: 001754 Instrument ID: A2HP1
 Injection Vol: 1.0 ul ALS Bottle#: 11
 Lims Batch ID: 79197 Lims Sample ID: 11
 Sublist: chrom-8151_1*sub2
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\8151_1.m
 Last Update: 27-Mar-2013 11:11:14 Calib Date: 22-Mar-2013 19:24:11
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\P1000011.D
 Limit Group: GC 8151 DOD
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK004

First Level Reviewer: bolgrind

Date:

25-Mar-2013 10:49:11

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

5 Dalapon

1	1.201	1.201	0.000	146669878	0.2600	
2	1.370	1.371	-0.001	44533504	0.2863	
RPD = 9.65						

\$ 4 2,4-Dichlorophenylacetic acid

1	6.845	6.847	-0.002	94044156	0.4988	
2	7.580	7.582	-0.002	38246557	0.5637	
RPD = 12.23						

6 Dicamba

1	7.010	7.011	-0.001	220412076	0.2751	
2	7.749	7.748	0.001	83907055	0.2908	
RPD = 5.56						

10 MCPP

1	7.295	7.295	0.000	82407313	64.2	
2	7.930	7.930	0.000	59747602	64.3	
RPD = 0.19						

9 MCPA

1	7.455	7.455	0.000	104383834	64.2	
2	8.182	8.180	0.002	92234923	64.1	
RPD = 0.14						

7 Dichlorprop

1	7.820	7.822	-0.002	89216360	0.5031	
2	8.533	8.534	-0.001	34759414	0.5841	
RPD = 14.90						

2 2,4-D

1	8.051	8.055	-0.004	110114343	0.5722	
2	8.886	8.889	-0.003	41663677	0.6244	
RPD = 8.73						

Data File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\1000011.D

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

12 Silvex (2,4,5-TP)

1	8.904	8.907	-0.003	150467936	0.1542	
2	9.809	9.812	-0.003	50406600	0.1631	
RPD = 5.58						

1 2,4,5-T

1	9.206	9.217	-0.011	127826355	0.1700	
2	10.285	10.292	-0.007	43833333	0.1794	
RPD = 5.38						

3 2,4-DB

1	9.820	9.834	-0.014	48928404	0.6793	
2	10.929	10.940	-0.011	18660468	0.7318	
RPD = 7.44						

8 Dinoseb

1	11.003	11.009	-0.006	50765331	0.0813	
2	11.292	11.294	-0.002	18630095	0.0994	
RPD = 20.01						

Report Date: 27-Mar-2013 11:11:14

Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\P1000011.D

Injection Date: 22-Mar-2013 19:24:11

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 79197

Lims Sample ID: 11

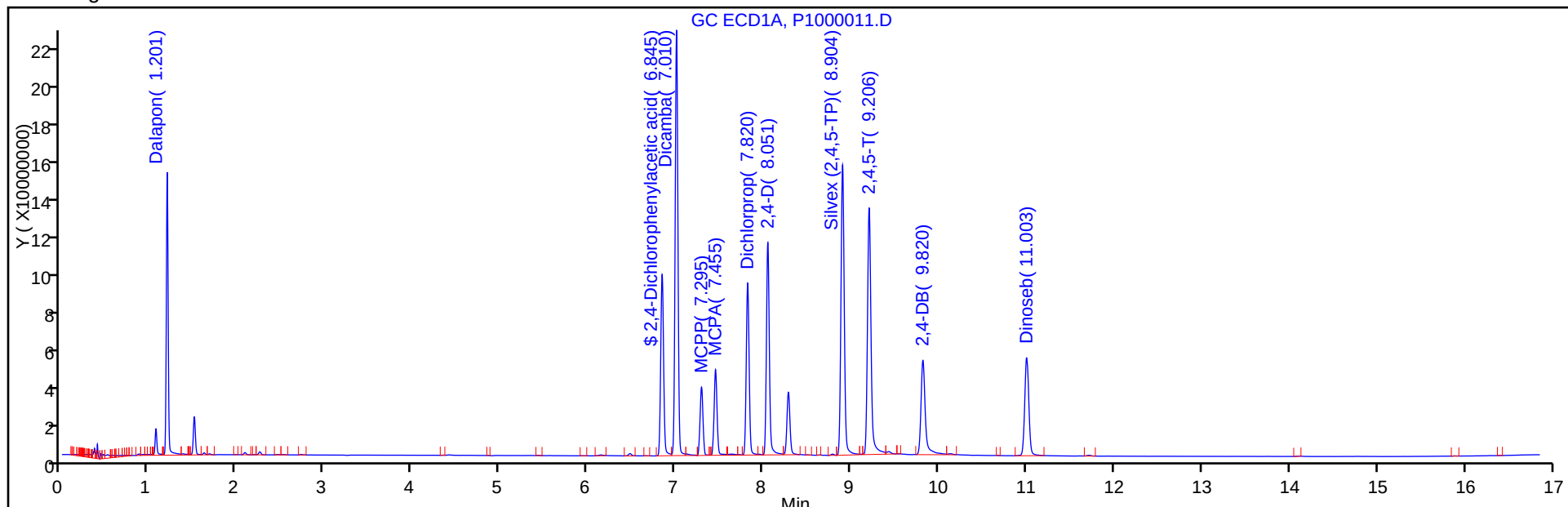
Operator ID: 001754

Injection Vol: 1.0 ul

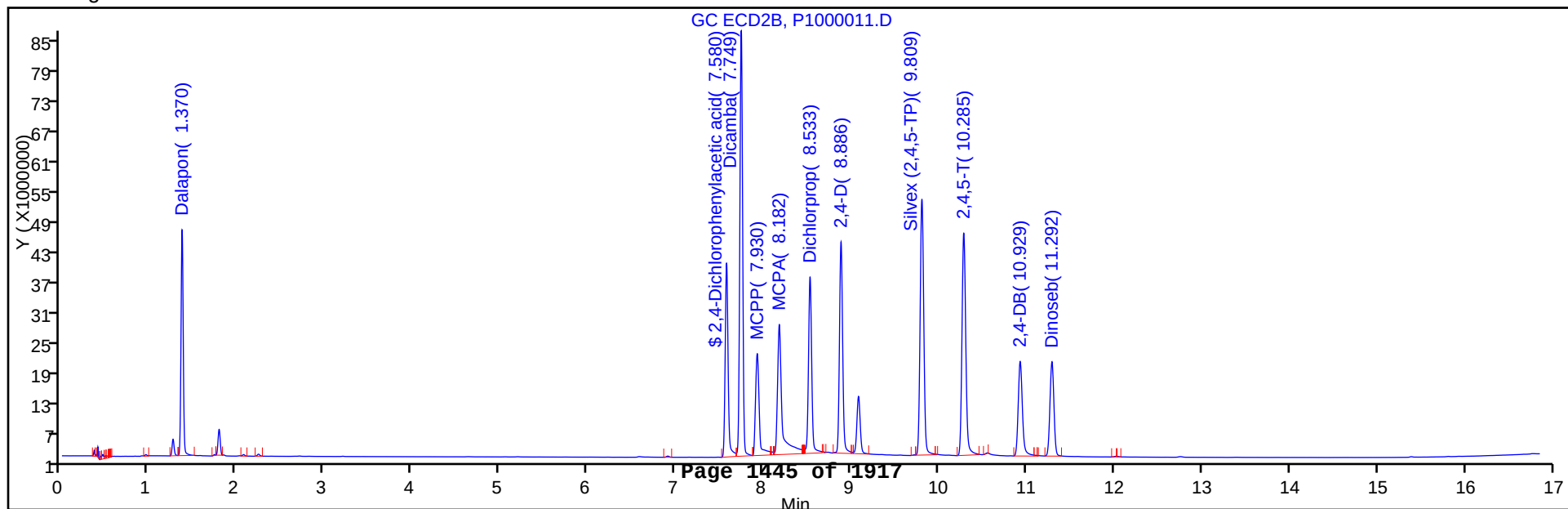
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-21987-1
 SDG No.: _____
 Lab Sample ID: ICV 240-79197/12 Calibration Date: 03/22/2013 19:47
 Instrument ID: A2HP1 Calib Start Date: 03/22/2013 17:26
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 03/22/2013 19:24
 Lab File ID: P1000012.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	564215505	527870351		0.0373	0.0399	-6.4	20.0
Dicamba	Ave	801201461	781795675		0.0390	0.0400	-2.4	20.0
MCPD	Qua		1823259		8.34	8.00	4.2	20.0
MCPA	Qua		2671825		8.56	8.00	6.9	20.0
Dichlorprop	Ave	177345468	194269263		0.0876	0.0800	9.5	20.0
2,4-D	Ave	192446722	203770550		0.0847	0.0800	5.9	20.0
Silvex (2,4,5-TP)	Ave	975490771	987542950		0.0202	0.0200	1.2	20.0
2,4,5-T	Ave	752080364	794274450		0.0211	0.0200	5.6	20.0
2,4-DB	Ave	72026674	72512763		0.0805	0.0800	0.7	20.0
Dinoseb	Ave	624314672	665463583		0.0128	0.0120	6.6	20.0
2,4-Dichlorophenylacetic acid	Ave	188558155	190816825		0.0810	0.0800	1.2	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-21987-1
 SDG No.: _____
 Lab Sample ID: ICV 240-79197/12 Calibration Date: 03/22/2013 19:47
 Instrument ID: A2HP1 Calib Start Date: 03/22/2013 17:26
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 03/22/2013 19:24
 Lab File ID: P1000012.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	1.20	1.18	1.22
Dicamba	7.01	6.99	7.03
MCPD	7.30	7.28	7.32
MCPA	7.45	7.44	7.48
Dichloroprop	7.82	7.80	7.84
2,4-D	8.05	8.04	8.08
Silvex (2,4,5-TP)	8.91	8.89	8.93
2,4,5-T	9.22	9.20	9.24
2,4-DB	9.83	9.81	9.85
Dinoseb	11.01	10.98	11.04
2,4-Dichlorophenylacetic acid	6.85	6.83	6.87

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\P1000012.D
 Lims ID: ICV Client ID:
 Inject. Date: 22-Mar-2013 19:47:34 Dil. Factor: 1.0000
 Sample Type: ICV
 Sample ID: 240-0018190-012
 Misc. Info.:
 Operator: 001754 Instrument ID: A2HP1
 Injection Vol: 1.0 ul ALS Bottle#: 12
 Lims Batch ID: 79197 Lims Sample ID: 12
 Sublist:
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\8151_1.m
 Last Update: 27-Mar-2013 11:19:53 Calib Date: 22-Mar-2013 19:24:11
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\P1000011.D
 Limit Group: GC 8151 DOD
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK004

First Level Reviewer: bolgrind

Date:

25-Mar-2013 10:54:37

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

5 Dalapon

1	1.202	1.201	0.001	21062027	0.0373	
2	1.371	1.371	0.000	5747701	0.0370	
RPD = 1.01						

\$ 4 2,4-Dichlorophenylacetic acid

1	6.847	6.847	0.000	15265346	0.0810	
2	7.582	7.582	0.000	5395200	0.0795	
RPD = 1.80						

6 Dicamba

1	7.010	7.011	-0.001	31271827	0.0390	
2	7.747	7.748	-0.001	11303621	0.0392	
RPD = 0.38						

10 MCPP

1	7.295	7.295	0.000	14586072	8.34	
2	7.929	7.930	-0.001	12266614	8.75	
RPD = 4.85						

9 MCPA

1	7.454	7.455	-0.001	21374602	8.56	
2	8.180	8.180	0.000	17035597	8.51	
RPD = 0.55						

7 Dichlorprop

1	7.822	7.822	0.000	15541541	0.0876	
2	8.533	8.534	-0.001	5228970	0.0879	
RPD = 0.26						

2 2,4-D

1	8.054	8.055	-0.001	16301644	0.0847	
2	8.889	8.889	0.000	5664295	0.0849	
RPD = 0.22						

Data File: \\NCCchrom\ChromData\A2HP1\20130322-18190.b\1000012.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
12 Silvex (2,4,5-TP)						
1	8.907	8.907	0.000	19750859	0.0202	
2	9.811	9.812	-0.001	6186286	0.0200	
					RPD = 1.14	
1 2,4,5-T						
1	9.215	9.217	-0.002	15885489	0.0211	
2	10.291	10.292	-0.001	5106092	0.0209	
					RPD = 1.09	
3 2,4-DB						
1	9.831	9.834	-0.003	5801021	0.0805	
2	10.937	10.940	-0.003	2077441	0.0815	
					RPD = 1.15	
8 Dinoseb						
1	11.007	11.009	-0.002	7985563	0.0128	
2	11.292	11.294	-0.002	2215894	0.0118	
					RPD = 7.88	

Report Date: 27-Mar-2013 11:19:54

Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\P1000012.D

Injection Date: 22-Mar-2013 19:47:34

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 79197

Lims Sample ID: 12

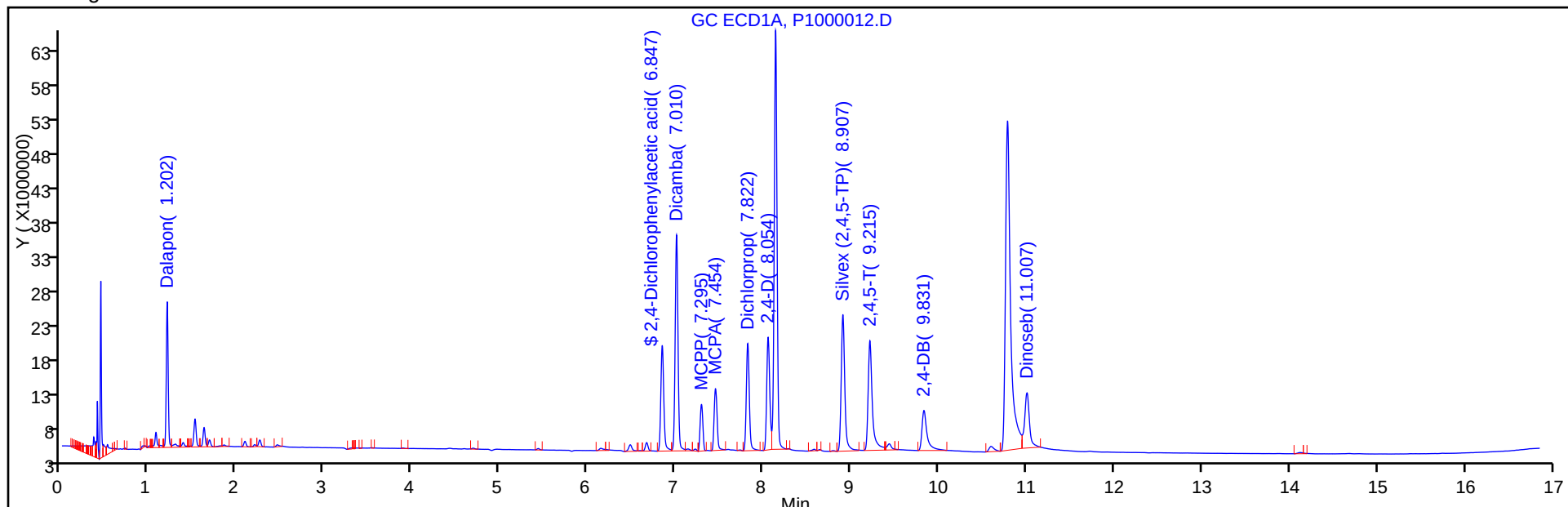
Operator ID: 001754

Injection Vol: 1.0 ul

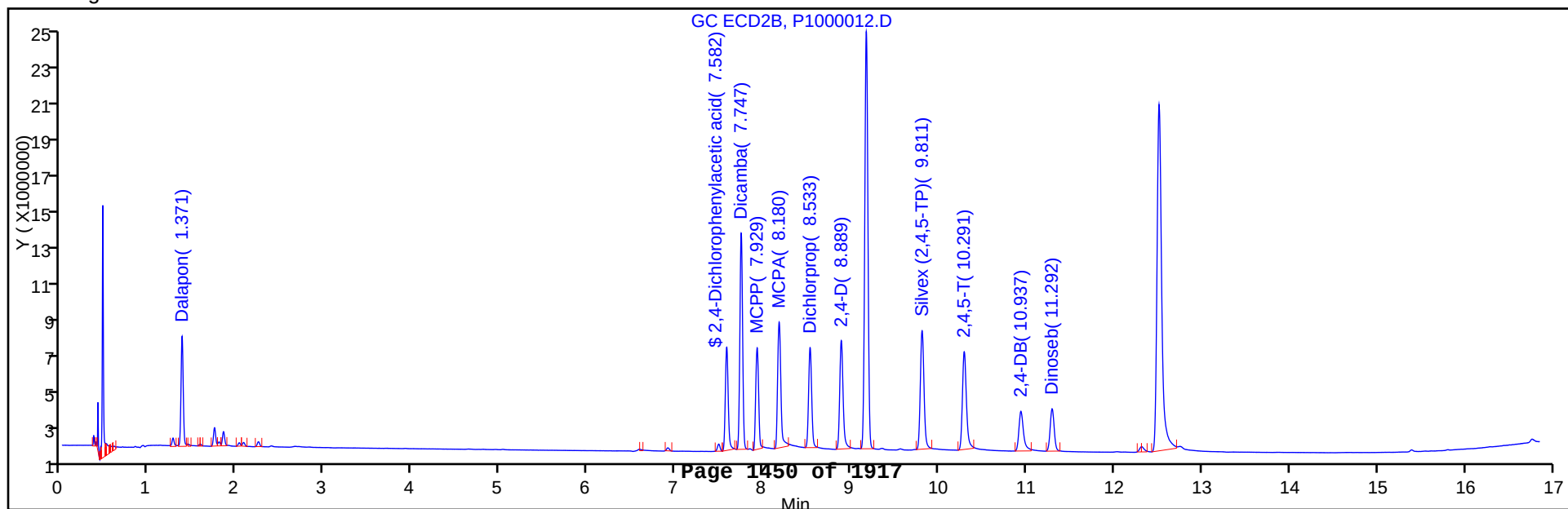
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Column Dia:

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-21987-1
 SDG No.: _____
 Lab Sample ID: ICV 240-79197/12 Calibration Date: 03/22/2013 19:47
 Instrument ID: A2HP1 Calib Start Date: 03/22/2013 17:26
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 03/22/2013 19:24
 Lab File ID: P1000012.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	155536805	144052657		0.0370	0.0399	-7.4	20.0
Dicamba	Ave	288495553	282590525		0.0392	0.0400	-2.0	20.0
MCPP	Qua		1533327		8.75	8.00	9.4	20.0
MCPA	Qua		2129450		8.51	8.00	6.4	20.0
Dichlorprop	Ave	59513011	65362125		0.0879	0.0800	9.8	20.0
2,4-D	Ave	66722880	70803688		0.0849	0.0800	6.1	20.0
Silvex (2,4,5-TP)	Ave	309051821	309314300		0.0200	0.0200	0.0	20.0
2,4,5-T	Ave	244385282	255304600		0.0209	0.0200	4.5	20.0
2,4-DB	Ave	25499256	25968013		0.0815	0.0800	1.8	20.0
Dinoseb	Ave	187446675	184657833		0.0118	0.0120	-1.5	20.0
2,4-Dichlorophenylacetic acid	Ave	67848830	67440000		0.0795	0.0800	-0.6	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-21987-1
 SDG No.: _____
 Lab Sample ID: ICV 240-79197/12 Calibration Date: 03/22/2013 19:47
 Instrument ID: A2HP1 Calib Start Date: 03/22/2013 17:26
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 03/22/2013 19:24
 Lab File ID: P1000012.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	1.37	1.35	1.39
Dicamba	7.75	7.73	7.77
MCPD	7.93	7.91	7.95
MCPA	8.18	8.16	8.20
Dichloroprop	8.53	8.51	8.55
2,4-D	8.89	8.87	8.91
Silvex (2,4,5-TP)	9.81	9.79	9.83
2,4,5-T	10.29	10.27	10.31
2,4-DB	10.94	10.92	10.96
Dinoseb	11.29	11.26	11.32
2,4-Dichlorophenylacetic acid	7.58	7.56	7.60

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\P1000012.D
 Lims ID: ICV Client ID:
 Inject. Date: 22-Mar-2013 19:47:34 Dil. Factor: 1.0000
 Sample Type: ICV
 Sample ID: 240-0018190-012
 Misc. Info.:
 Operator: 001754 Instrument ID: A2HP1
 Injection Vol: 1.0 ul ALS Bottle#: 12
 Lims Batch ID: 79197 Lims Sample ID: 12
 Sublist:
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\8151_1.m
 Last Update: 27-Mar-2013 11:19:53 Calib Date: 22-Mar-2013 19:24:11
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\P1000011.D
 Limit Group: GC 8151 DOD
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK004

First Level Reviewer: bolgrind

Date:

25-Mar-2013 10:54:37

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

5 Dalapon

1	1.202	1.201	0.001	21062027	0.0373	
2	1.371	1.371	0.000	5747701	0.0370	
RPD = 1.01						

\$ 4 2,4-Dichlorophenylacetic acid

1	6.847	6.847	0.000	15265346	0.0810	
2	7.582	7.582	0.000	5395200	0.0795	
RPD = 1.80						

6 Dicamba

1	7.010	7.011	-0.001	31271827	0.0390	
2	7.747	7.748	-0.001	11303621	0.0392	
RPD = 0.38						

10 MCPP

1	7.295	7.295	0.000	14586072	8.34	
2	7.929	7.930	-0.001	12266614	8.75	
RPD = 4.85						

9 MCPA

1	7.454	7.455	-0.001	21374602	8.56	
2	8.180	8.180	0.000	17035597	8.51	
RPD = 0.55						

7 Dichlorprop

1	7.822	7.822	0.000	15541541	0.0876	
2	8.533	8.534	-0.001	5228970	0.0879	
RPD = 0.26						

2 2,4-D

1	8.054	8.055	-0.001	16301644	0.0847	
2	8.889	8.889	0.000	5664295	0.0849	
RPD = 0.22						

Data File: \\NCCchrom\ChromData\A2HP1\20130322-18190.b\1000012.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
12 Silvex (2,4,5-TP)						
1	8.907	8.907	0.000	19750859	0.0202	
2	9.811	9.812	-0.001	6186286	0.0200	
					RPD = 1.14	
1 2,4,5-T						
1	9.215	9.217	-0.002	15885489	0.0211	
2	10.291	10.292	-0.001	5106092	0.0209	
					RPD = 1.09	
3 2,4-DB						
1	9.831	9.834	-0.003	5801021	0.0805	
2	10.937	10.940	-0.003	2077441	0.0815	
					RPD = 1.15	
8 Dinoseb						
1	11.007	11.009	-0.002	7985563	0.0128	
2	11.292	11.294	-0.002	2215894	0.0118	
					RPD = 7.88	

Report Date: 27-Mar-2013 11:19:54

Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\P1000012.D

Injection Date: 22-Mar-2013 19:47:34

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 79197

Lims Sample ID: 12

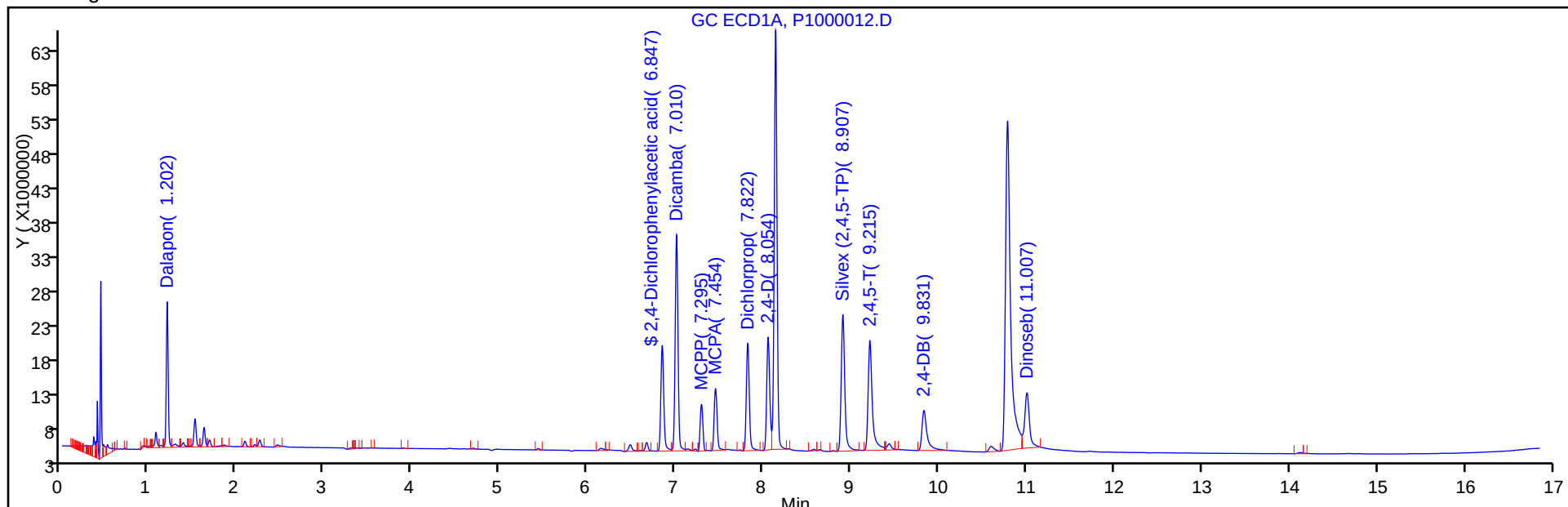
Operator ID: 001754

Injection Vol: 1.0 ul

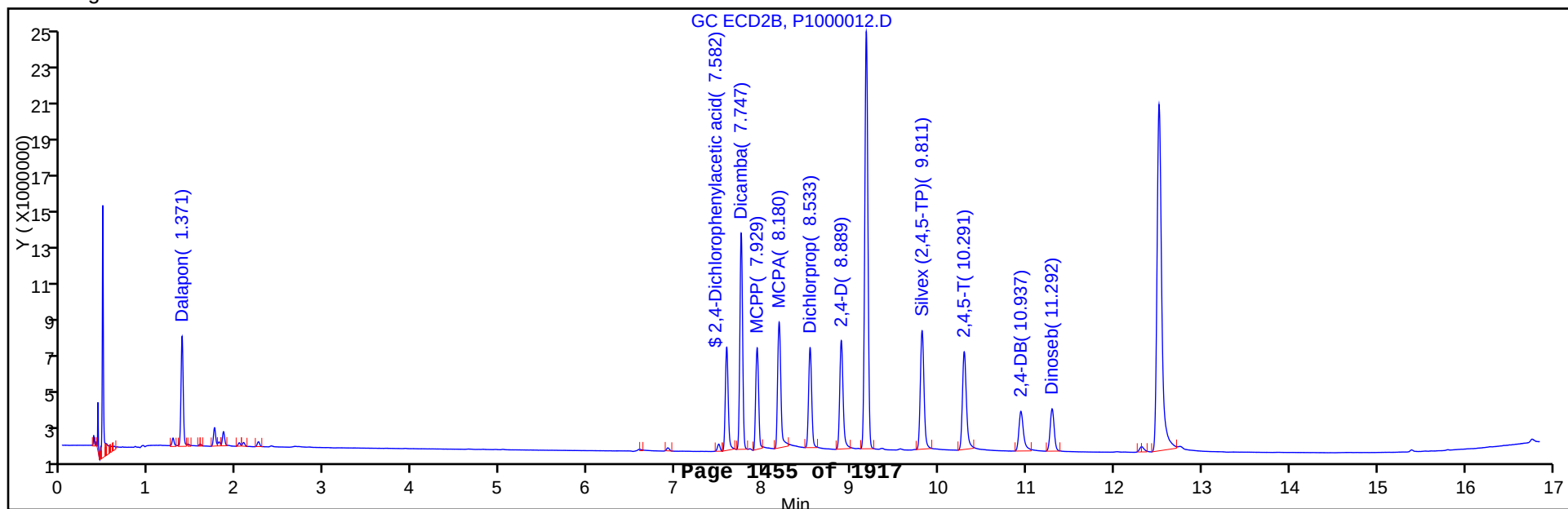
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-21987-1
SDG No.: _____
Lab Sample ID: CCV 240-79197/14 Calibration Date: 03/22/2013 20:34
Instrument ID: A2HP1 Calib Start Date: 03/18/2013 20:16
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 03/18/2013 22:13
Lab File ID: P1000014.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Pentachlorophenol	Lin1		2638166600		0.00971	0.0100	-2.9	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-21987-1
SDG No.: _____
Lab Sample ID: CCV 240-79197/14 Calibration Date: 03/22/2013 20:34
Instrument ID: A2HP1 Calib Start Date: 03/18/2013 20:16
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 03/18/2013 22:13
Lab File ID: P1000014.D

Analyte	RT	RT WINDOW	
		FROM	TO
Pentachlorophenol	8.14	8.12	8.16

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20130322-18190.b\P1000014.D
Lims ID: CCV PCP Client ID:
Inject. Date: 22-Mar-2013 20:34:23 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0018190-014
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 14
Lims Batch ID: 79197 Lims Sample ID: 14
Sublist: chrom-8151_1*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b
Method: \\NCChrom\ChromData\A2HP1\20130322-18190.b\8151_1.m
Last Update: 27-Mar-2013 11:19:55 Calib Date: 22-Mar-2013 19:24:11
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20130322-18190.b\P1000011.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK004

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

11 Pentachlorophenol

1	8.143	8.143	0.000	26381666	0.009712	
2	9.178	9.178	0.000	9687513	0.009683	

RPD = 0.29

Report Date: 27-Mar-2013 11:19:55

Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCCchrom\ChromData\A2HP1\20130322-18190.b\P1000014.D

Injection Date: 22-Mar-2013 20:34:23

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 79197

Lims Sample ID: 14

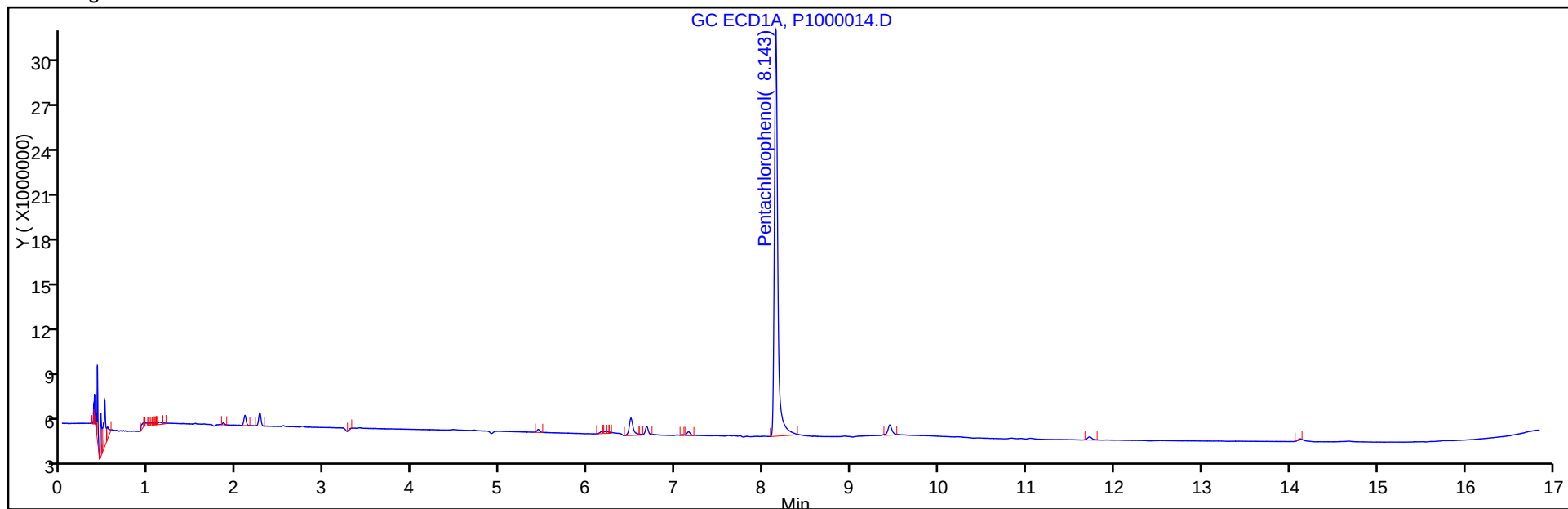
Operator ID: 001754

Injection Vol: 1.0 ul

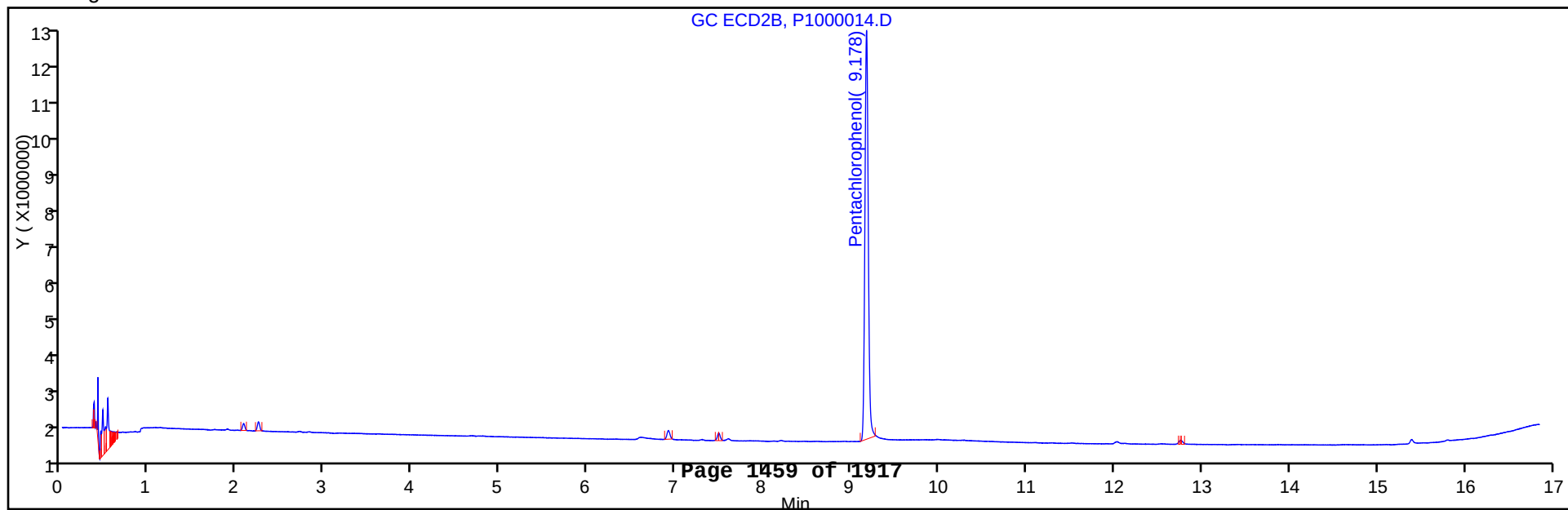
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-21987-1
SDG No.: _____
Lab Sample ID: CCV 240-79197/14 Calibration Date: 03/22/2013 20:34
Instrument ID: A2HP1 Calib Start Date: 03/18/2013 20:16
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 03/18/2013 22:13
Lab File ID: P1000014.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Pentachlorophenol	Ave	1000433546	968751300		0.00968	0.0100	-3.2	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-21987-1
SDG No.: _____
Lab Sample ID: CCV 240-79197/14 Calibration Date: 03/22/2013 20:34
Instrument ID: A2HP1 Calib Start Date: 03/18/2013 20:16
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 03/18/2013 22:13
Lab File ID: P1000014.D

Analyte	RT	RT WINDOW	
		FROM	TO
Pentachlorophenol	9.18	9.16	9.20

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20130322-18190.b\P1000014.D
Lims ID: CCV PCP Client ID:
Inject. Date: 22-Mar-2013 20:34:23 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0018190-014
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 14
Lims Batch ID: 79197 Lims Sample ID: 14
Sublist: chrom-8151_1*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b
Method: \\NCChrom\ChromData\A2HP1\20130322-18190.b\8151_1.m
Last Update: 27-Mar-2013 11:19:55 Calib Date: 22-Mar-2013 19:24:11
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20130322-18190.b\P1000011.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK004

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

11 Pentachlorophenol

1	8.143	8.143	0.000	26381666	0.009712	
2	9.178	9.178	0.000	9687513	0.009683	

RPD = 0.29

Report Date: 27-Mar-2013 11:19:56

Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\P1000014.D

Injection Date: 22-Mar-2013 20:34:23

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 79197

Lims Sample ID: 14

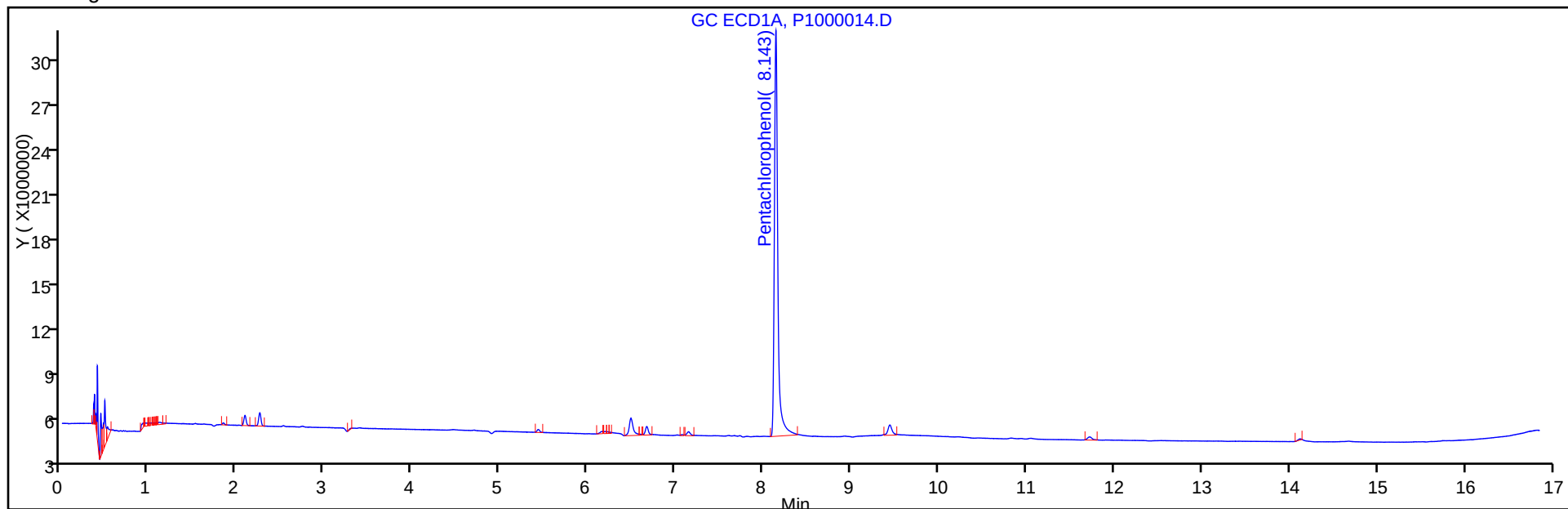
Operator ID: 001754

Injection Vol: 1.0 ul

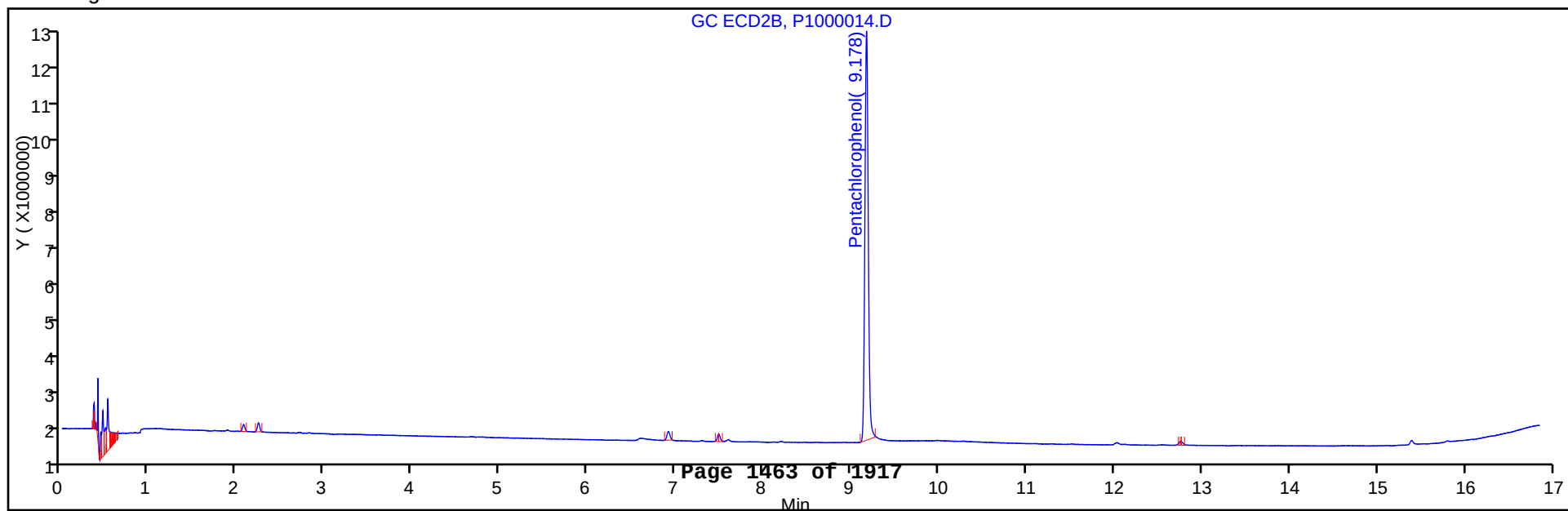
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-21987-1
SDG No.: _____
Lab Sample ID: CCV 240-79197/18 Calibration Date: 03/22/2013 22:08
Instrument ID: A2HP1 Calib Start Date: 03/18/2013 20:16
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 03/18/2013 22:13
Lab File ID: P1000018.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Pentachlorophenol	Lin1		2762159800		0.0102	0.0100	1.9	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-21987-1
SDG No.: _____
Lab Sample ID: CCV 240-79197/18 Calibration Date: 03/22/2013 22:08
Instrument ID: A2HP1 Calib Start Date: 03/18/2013 20:16
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 03/18/2013 22:13
Lab File ID: P1000018.D

Analyte	RT	RT WINDOW	
		FROM	TO
Pentachlorophenol	8.14	8.12	8.16

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20130322-18190.b\P1000018.D
Lims ID: CCV PCP Client ID:
Inject. Date: 22-Mar-2013 22:08:03 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0018190-018
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 18
Lims Batch ID: 79197 Lims Sample ID: 18
Sublist: chrom-8151_1*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b
Method: \\NCChrom\ChromData\A2HP1\20130322-18190.b\8151_1.m
Last Update: 27-Mar-2013 11:19:58 Calib Date: 22-Mar-2013 19:24:11
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20130322-18190.b\P1000011.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK004

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

11 Pentachlorophenol

1	8.142	8.142	0.000	27621598	0.0102	
2	9.176	9.176	0.000	10044639	0.0100	

RPD = 1.49

Report Date: 27-Mar-2013 11:19:58

Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\P1000018.D

Injection Date: 22-Mar-2013 22:08:03

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 79197

Lims Sample ID: 18

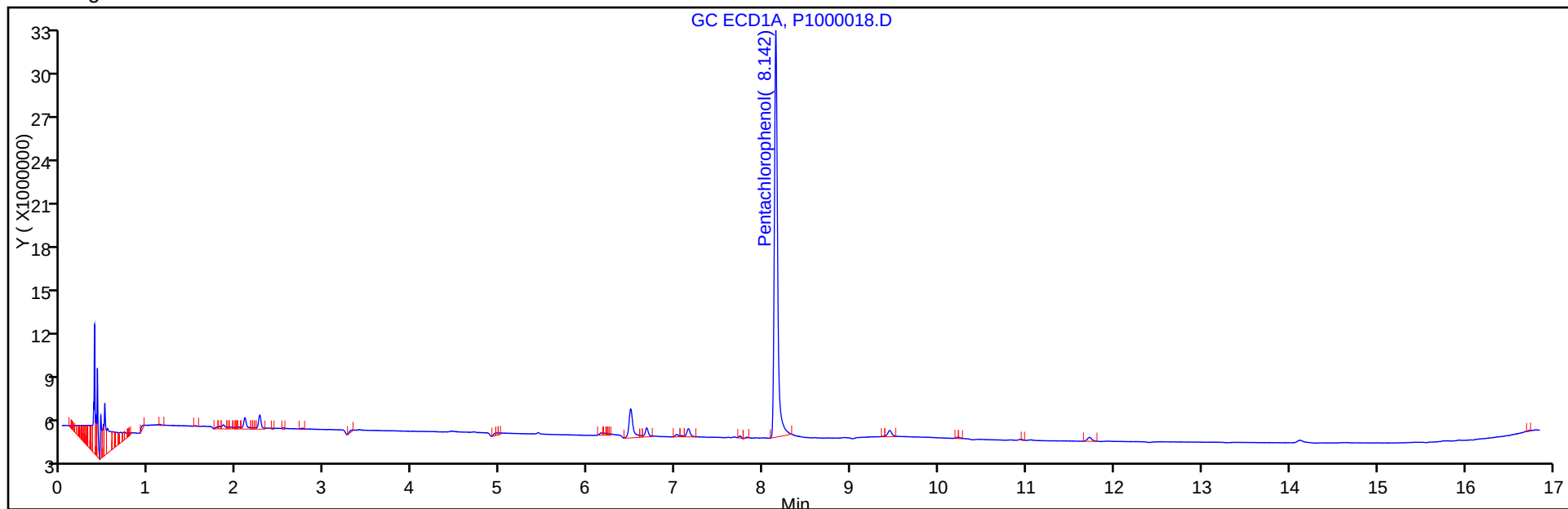
Operator ID: 001754

Injection Vol: 1.0 ul

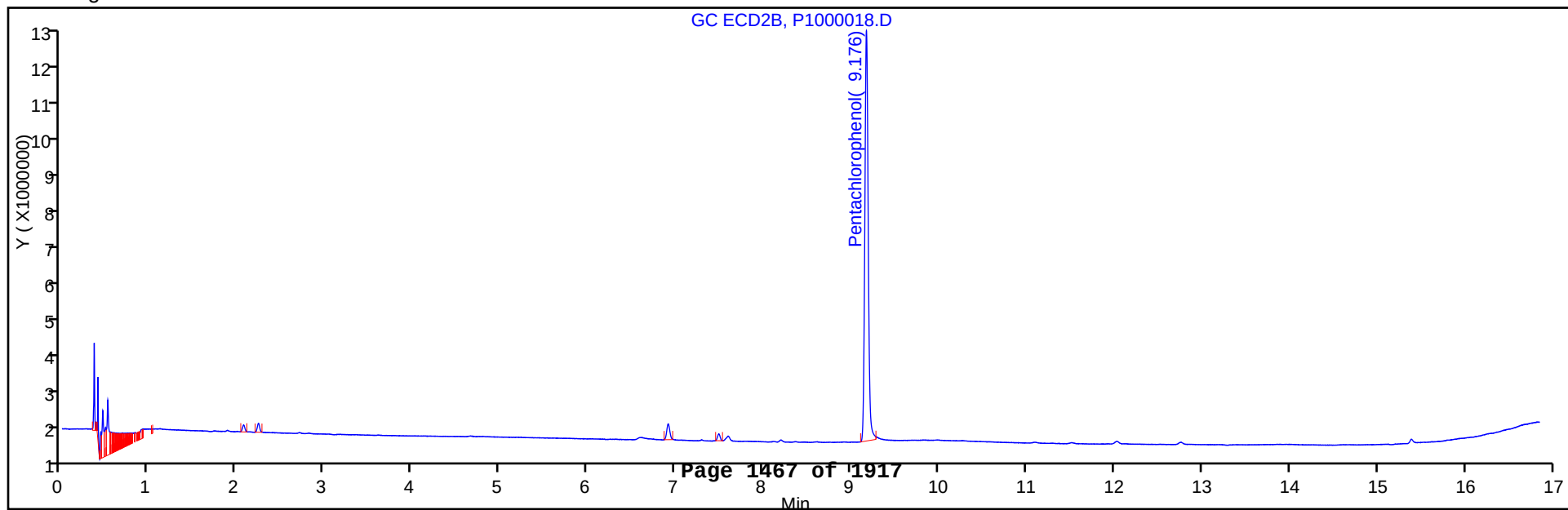
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-21987-1
SDG No.: _____
Lab Sample ID: CCV 240-79197/18 Calibration Date: 03/22/2013 22:08
Instrument ID: A2HP1 Calib Start Date: 03/18/2013 20:16
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 03/18/2013 22:13
Lab File ID: P1000018.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Pentachlorophenol	Ave	1000433546	1004463900		0.0100	0.0100	0.4	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-21987-1
SDG No.: _____
Lab Sample ID: CCV 240-79197/18 Calibration Date: 03/22/2013 22:08
Instrument ID: A2HP1 Calib Start Date: 03/18/2013 20:16
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 03/18/2013 22:13
Lab File ID: P1000018.D

Analyte	RT	RT WINDOW	
		FROM	TO
Pentachlorophenol	9.18	9.16	9.20

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20130322-18190.b\P1000018.D
Lims ID: CCV PCP Client ID:
Inject. Date: 22-Mar-2013 22:08:03 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0018190-018
Misc. Info.:
Operator: 001754 Instrument ID: A2HP1
Injection Vol: 1.0 ul ALS Bottle#: 18
Lims Batch ID: 79197 Lims Sample ID: 18
Sublist: chrom-8151_1*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b
Method: \\NCChrom\ChromData\A2HP1\20130322-18190.b\8151_1.m
Last Update: 27-Mar-2013 11:19:58 Calib Date: 22-Mar-2013 19:24:11
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP1\20130322-18190.b\P1000011.D
Limit Group: GC 8151 DOD
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK004

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

11 Pentachlorophenol

1	8.142	8.142	0.000	27621598	0.0102	
2	9.176	9.176	0.000	10044639	0.0100	

RPD = 1.49

Report Date: 27-Mar-2013 11:19:59

Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCCchrom\ChromData\A2HP1\20130322-18190.b\P1000018.D

Injection Date: 22-Mar-2013 22:08:03

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 79197

Lims Sample ID: 18

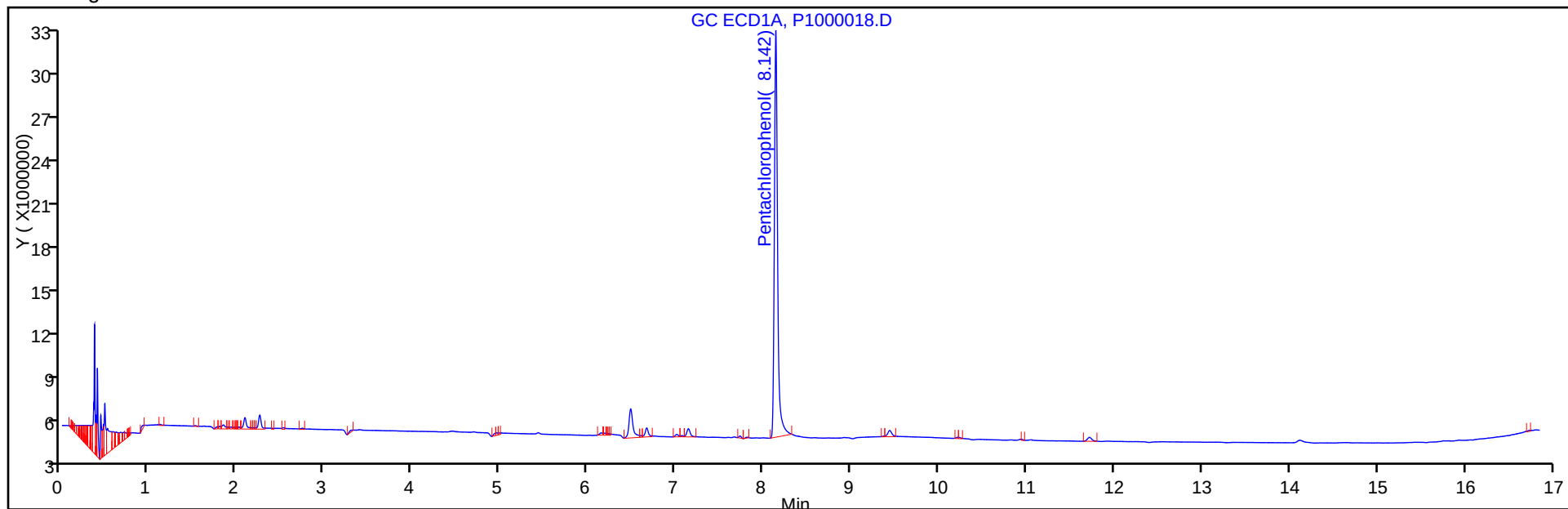
Operator ID: 001754

Injection Vol: 1.0 ul

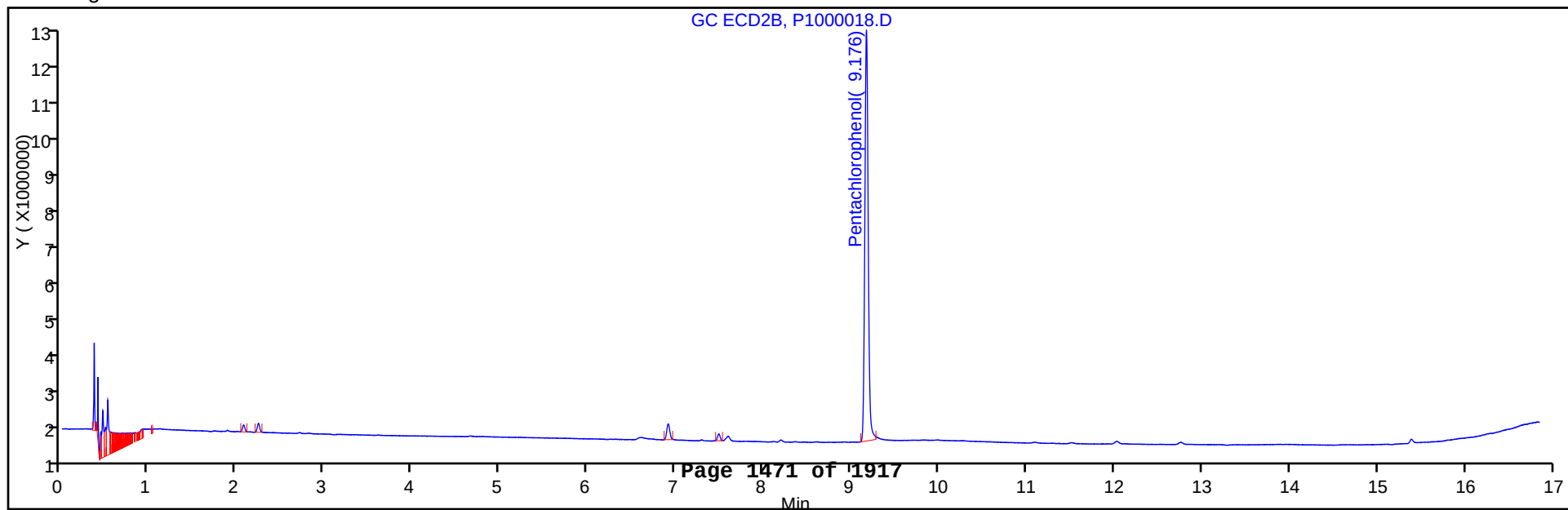
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Column Dia:

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-21987-1
 SDG No.: _____
 Lab Sample ID: CCV 240-79197/19 Calibration Date: 03/22/2013 22:31
 Instrument ID: A2HP1 Calib Start Date: 03/22/2013 17:26
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 03/22/2013 19:24
 Lab File ID: P1000019.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	564215505	596108975		0.0423	0.0400	5.7	20.0
Dicamba	Ave	801201461	876751725		0.0438	0.0400	9.4	20.0
MCPD	Qua		2023006		9.40	8.00	17.5	20.0
MCPA	Qua		2965443		9.85	8.00	23.2*	20.0
Dichlorprop	Ave	177345468	198815238		0.0897	0.0800	12.1	20.0
2,4-D	Ave	192446722	219360613		0.0912	0.0800	14.0	20.0
Silvex (2,4,5-TP)	Ave	975490771	1047624550		0.0215	0.0200	7.4	20.0
2,4,5-T	Ave	752080364	807827850		0.0215	0.0200	7.4	20.0
2,4-DB	Ave	72026674	80109600		0.0890	0.0800	11.2	20.0
Dinoseb	Ave	624314672	675744583		0.0130	0.0120	8.2	20.0
2,4-Dichlorophenylacetic acid	Ave	188558155	211829600		0.0899	0.0800	12.3	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-21987-1
 SDG No.: _____
 Lab Sample ID: CCV 240-79197/19 Calibration Date: 03/22/2013 22:31
 Instrument ID: A2HP1 Calib Start Date: 03/22/2013 17:26
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 03/22/2013 19:24
 Lab File ID: P1000019.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	1.20	1.18	1.22
Dicamba	7.01	6.99	7.03
MCPPE	7.29	7.27	7.31
MCPA	7.45	7.43	7.47
Dichlorprop	7.82	7.80	7.84
2,4-D	8.05	8.03	8.07
Silvex (2,4,5-TP)	8.91	8.89	8.93
2,4,5-T	9.22	9.20	9.24
2,4-DB	9.83	9.81	9.85
Dinoseb	11.01	10.98	11.04
2,4-Dichlorophenylacetic acid	6.85	6.83	6.87

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\P1000019.D
 Lims ID: CCV Client ID:
 Inject. Date: 22-Mar-2013 22:31:33 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: 240-0018190-019
 Misc. Info.:
 Operator: 001754 Instrument ID: A2HP1
 Injection Vol: 1.0 ul ALS Bottle#: 19
 Lims Batch ID: 79197 Lims Sample ID: 19
 Sublist: chrom-8151_1*sub2
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\8151_1.m
 Last Update: 27-Mar-2013 11:19:59 Calib Date: 22-Mar-2013 19:24:11
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\P1000011.D
 Limit Group: GC 8151 DOD
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK004

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

5 Dalapon

1	1.201	1.201	0.000	23844359	0.0423	
2	1.371	1.371	0.000	6555631	0.0421	
RPD = 0.27						

\$ 4 2,4-Dichlorophenylacetic acid

1	6.847	6.847	0.000	16946368	0.0899	
2	7.582	7.582	0.000	6002533	0.0885	
RPD = 1.57						

6 Dicamba

1	7.010	7.010	0.000	35070069	0.0438	
2	7.748	7.748	0.000	12587458	0.0436	
RPD = 0.32						

10 MCPP

1	7.294	7.294	0.000	16184044	9.40	
2	7.930	7.930	0.000	13152516	9.56	
RPD = 1.74						

9 MCPA

1	7.454	7.454	0.000	23723545	9.85	
2	8.181	8.181	0.000	18380843	9.38	
RPD = 4.89						

7 Dichlorprop

1	7.822	7.822	0.000	15905219	0.0897	
2	8.534	8.534	0.000	5142360	0.0864	
RPD = 3.72						

2 2,4-D

1	8.054	8.054	0.000	17548849	0.0912	
2	8.889	8.889	0.000	5861665	0.0879	
RPD = 3.73						

Data File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\1000019.D

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

12 Silvex (2,4,5-TP)

1	8.905	8.905	0.000	20952491	0.0215	
2	9.812	9.812	0.000	6555381	0.0212	
RPD = 1.25						

1 2,4,5-T

1	9.215	9.215	0.000	16156557	0.0215	
2	10.292	10.292	0.000	5254796	0.0215	
RPD = 0.09						

3 2,4-DB

1	9.832	9.832	0.000	6408768	0.0890	
2	10.938	10.938	0.000	2241205	0.0879	
RPD = 1.23						

8 Dinoseb

1	11.008	11.008	0.000	8108935	0.0130	
2	11.294	11.294	0.000	2349481	0.0125	
RPD = 3.56						

Report Date: 27-Mar-2013 11:19:59

Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\P1000019.D

Injection Date: 22-Mar-2013 22:31:33

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 79197

Lims Sample ID: 19

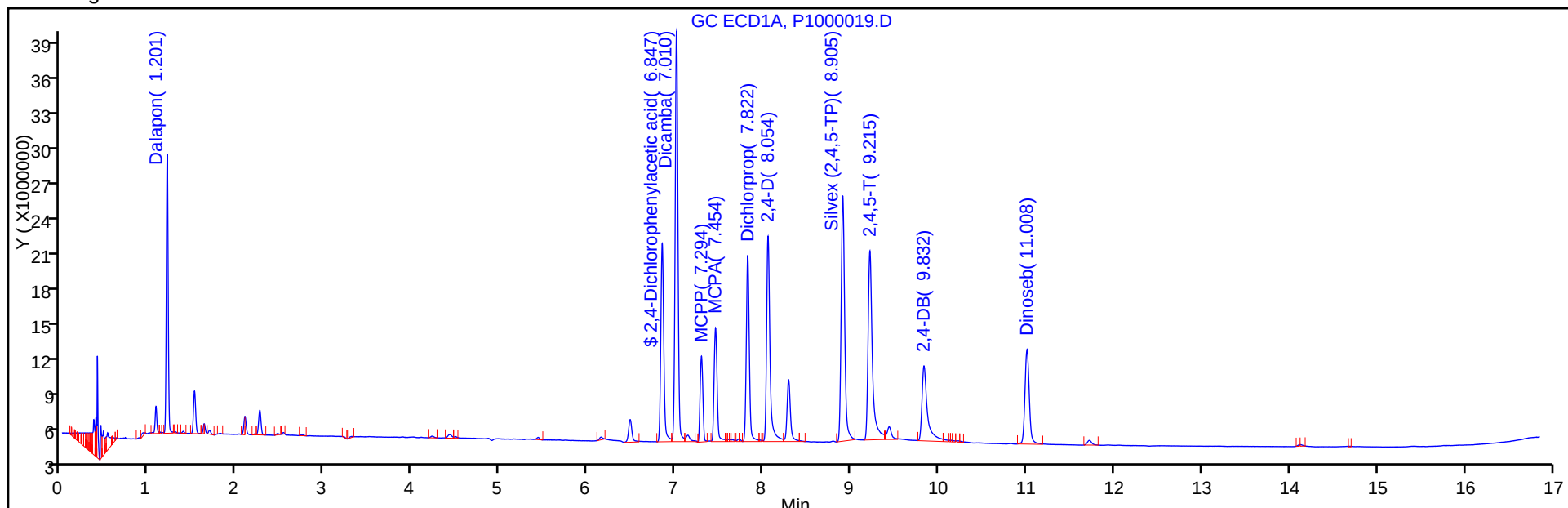
Operator ID: 001754

Injection Vol: 1.0 ul

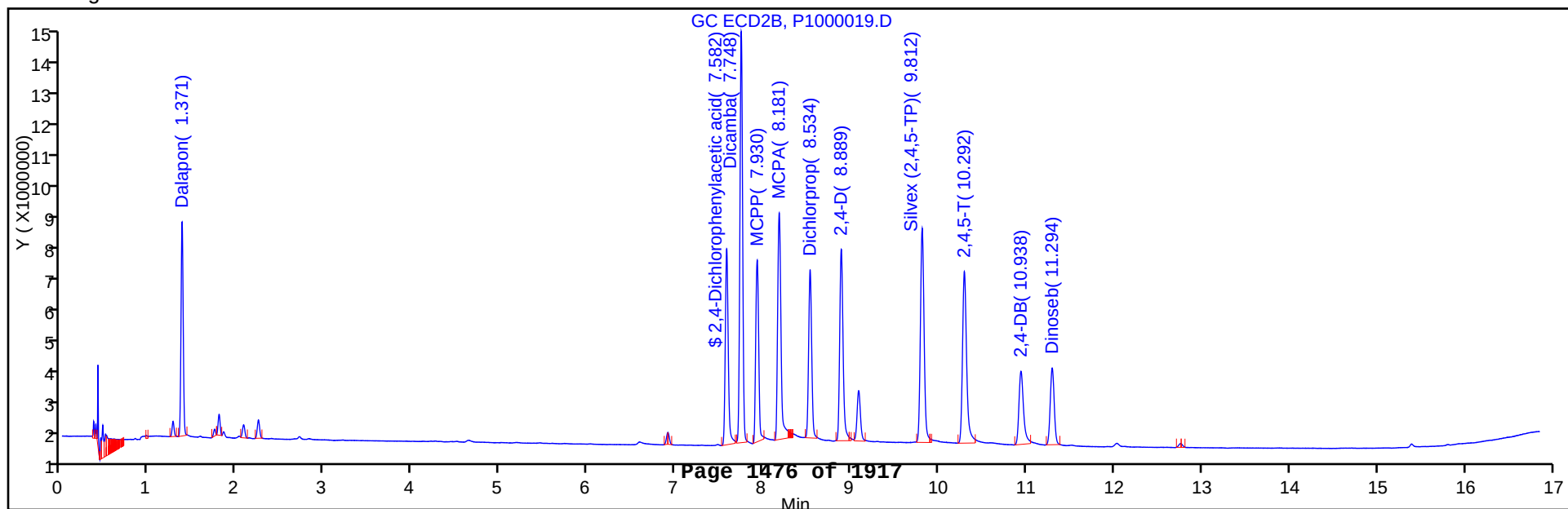
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-21987-1
 SDG No.: _____
 Lab Sample ID: CCV 240-79197/19 Calibration Date: 03/22/2013 22:31
 Instrument ID: A2HP1 Calib Start Date: 03/22/2013 17:26
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 03/22/2013 19:24
 Lab File ID: P1000019.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	155536805	163890775		0.0421	0.0400	5.4	20.0
Dicamba	Ave	288495553	314686450		0.0436	0.0400	9.1	20.0
MCPD	Qua		1644065		9.56	8.00	19.5	20.0
MCPA	Qua		2297605		9.38	8.00	17.3	20.0
Dichlorprop	Ave	59513011	64279500		0.0864	0.0800	8.0	20.0
2,4-D	Ave	66722880	73270813		0.0879	0.0800	9.8	20.0
Silvex (2,4,5-TP)	Ave	309051821	327769050		0.0212	0.0200	6.1	20.0
2,4,5-T	Ave	244385282	262739800		0.0215	0.0200	7.5	20.0
2,4-DB	Ave	25499256	28015063		0.0879	0.0800	9.9	20.0
Dinoseb	Ave	187446675	195790083		0.0125	0.0120	4.5	20.0
2,4-Dichlorophenylacetic acid	Ave	67848830	75031663		0.0885	0.0800	10.6	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-21987-1
 SDG No.: _____
 Lab Sample ID: CCV 240-79197/19 Calibration Date: 03/22/2013 22:31
 Instrument ID: A2HP1 Calib Start Date: 03/22/2013 17:26
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 03/22/2013 19:24
 Lab File ID: P1000019.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	1.37	1.35	1.39
Dicamba	7.75	7.73	7.77
MCPD	7.93	7.91	7.95
MCPA	8.18	8.16	8.20
Dichloroprop	8.53	8.51	8.55
2,4-D	8.89	8.87	8.91
Silvex (2,4,5-TP)	9.81	9.79	9.83
2,4,5-T	10.29	10.27	10.31
2,4-DB	10.94	10.92	10.96
Dinoseb	11.29	11.26	11.32
2,4-Dichlorophenylacetic acid	7.58	7.56	7.60

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\P1000019.D
 Lims ID: CCV Client ID:
 Inject. Date: 22-Mar-2013 22:31:33 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: 240-0018190-019
 Misc. Info.:
 Operator: 001754 Instrument ID: A2HP1
 Injection Vol: 1.0 ul ALS Bottle#: 19
 Lims Batch ID: 79197 Lims Sample ID: 19
 Sublist: chrom-8151_1*sub2
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\8151_1.m
 Last Update: 27-Mar-2013 11:19:59 Calib Date: 22-Mar-2013 19:24:11
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\P1000011.D
 Limit Group: GC 8151 DOD
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK004

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

5 Dalapon

1	1.201	1.201	0.000	23844359	0.0423	
2	1.371	1.371	0.000	6555631	0.0421	
RPD = 0.27						

\$ 4 2,4-Dichlorophenylacetic acid

1	6.847	6.847	0.000	16946368	0.0899	
2	7.582	7.582	0.000	6002533	0.0885	
RPD = 1.57						

6 Dicamba

1	7.010	7.010	0.000	35070069	0.0438	
2	7.748	7.748	0.000	12587458	0.0436	
RPD = 0.32						

10 MCPP

1	7.294	7.294	0.000	16184044	9.40	
2	7.930	7.930	0.000	13152516	9.56	
RPD = 1.74						

9 MCPA

1	7.454	7.454	0.000	23723545	9.85	
2	8.181	8.181	0.000	18380843	9.38	
RPD = 4.89						

7 Dichlorprop

1	7.822	7.822	0.000	15905219	0.0897	
2	8.534	8.534	0.000	5142360	0.0864	
RPD = 3.72						

2 2,4-D

1	8.054	8.054	0.000	17548849	0.0912	
2	8.889	8.889	0.000	5861665	0.0879	
RPD = 3.73						

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
12 Silvex (2,4,5-TP)						
1	8.905	8.905	0.000	20952491	0.0215	
2	9.812	9.812	0.000	6555381	0.0212	
					RPD = 1.25	
1 2,4,5-T						
1	9.215	9.215	0.000	16156557	0.0215	
2	10.292	10.292	0.000	5254796	0.0215	
					RPD = 0.09	
3 2,4-DB						
1	9.832	9.832	0.000	6408768	0.0890	
2	10.938	10.938	0.000	2241205	0.0879	
					RPD = 1.23	
8 Dinoseb						
1	11.008	11.008	0.000	8108935	0.0130	
2	11.294	11.294	0.000	2349481	0.0125	
					RPD = 3.56	

Report Date: 27-Mar-2013 11:19:59

Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\P1000019.D

Injection Date: 22-Mar-2013 22:31:33

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 79197

Lims Sample ID: 19

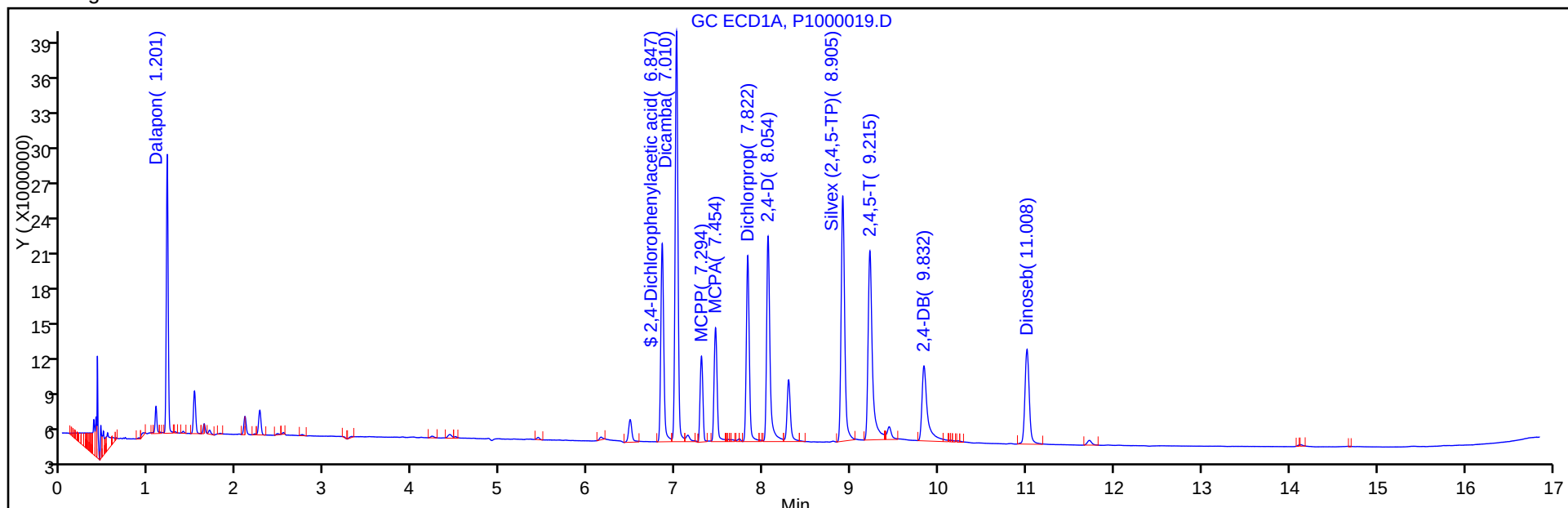
Operator ID: 001754

Injection Vol: 1.0 ul

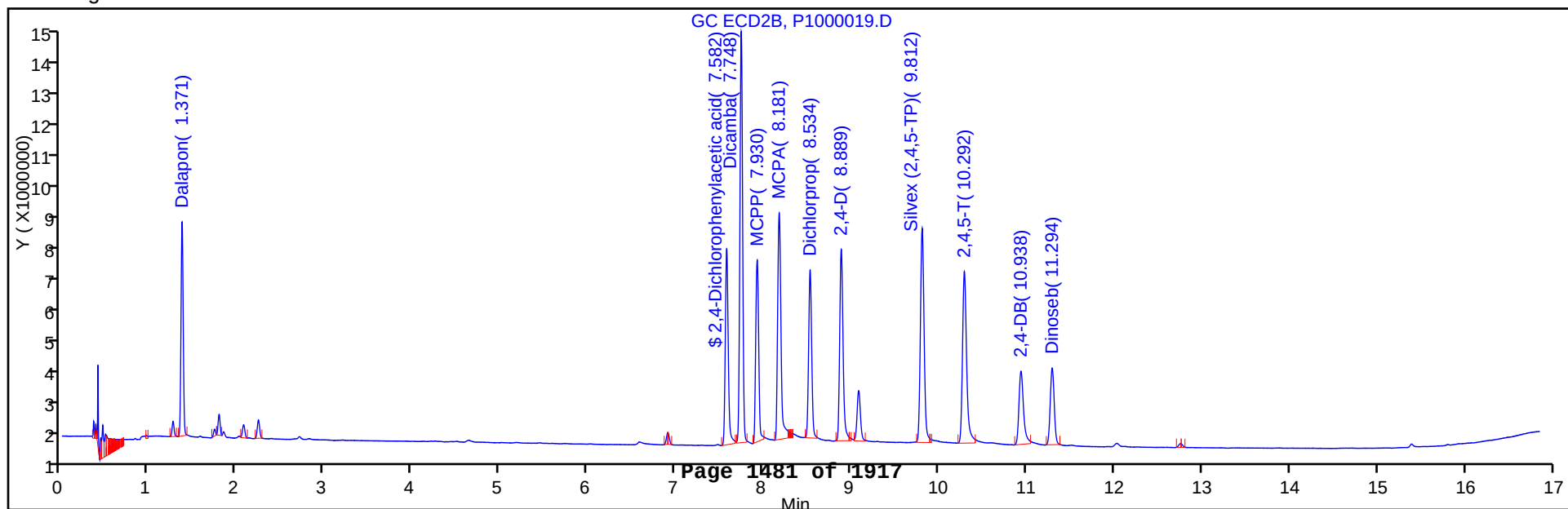
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-21987-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 240-78626/3-A
Matrix: Water Lab File ID: P1000016.D
Analysis Method: 8151/DOD Date Collected: _____
Extraction Method: 8151A Date Extracted: 03/18/2013 10:35
Sample wt/vol: 500 (mL) Date Analyzed: 03/22/2013 21:21
Con. Extract Vol.: 100 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: CLP-1 ID: 0.53 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 79197 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	79		32-112

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20130322-18190.b\P1000016.D
 Lims ID: MB 240-78626/3-A Client ID:
 Inject. Date: 22-Mar-2013 21:21:18 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID: 240-0018190-016
 Misc. Info.:
 Operator: 001754 Instrument ID: A2HP1
 Injection Vol: 1.0 ul ALS Bottle#: 16
 Lims Batch ID: 79197 Lims Sample ID: 16
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCChrom\ChromData\A2HP1\20130322-18190.b\8151_1.m
 Last Update: 27-Mar-2013 11:19:55 Calib Date: 22-Mar-2013 19:24:11
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCChrom\ChromData\A2HP1\20130322-18190.b\P1000011.D
 Limit Group: GC 8151 DOD
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK004

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

5 Dalapon

1	1.201					
2	1.371					

\$ 4 2,4-Dichlorophenylacetic acid

1	6.847	6.847	0.000	29891194	0.1585	
2	7.583	7.582	0.001	11906591	0.1755	

RPD = 10.16

6 Dicamba

1	7.011					1
2	7.748					

10 MCPP

1	7.295					1
2	7.930					

9 MCPA

1	7.455					1
2	8.180					

7 Dichlorprop

1	7.822					
2	8.534					

2 2,4-D

1	8.055					1
2	8.889					

11 Pentachlorophenol

1	8.143					1
2	9.178					

12 Silvex (2,4,5-TP)

1	8.907					1
2	9.812					

Data File: \\NCChrom\ChromData\A2HP1\20130322-18190.b\P1000016.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
1	2,4,5-T					1
1		9.217				
2		10.292				
3	2,4-DB					1
1		9.834				
2		10.940				
8	Dinoseb					
1		11.009				
2		11.294				

QC Flag Legend

Processing Flags

1 - Missing Peaks

Report Date: 27-Mar-2013 11:19:57

Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\P1000016.D

Injection Date: 22-Mar-2013 21:21:18

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 79197

Lims Sample ID: 16

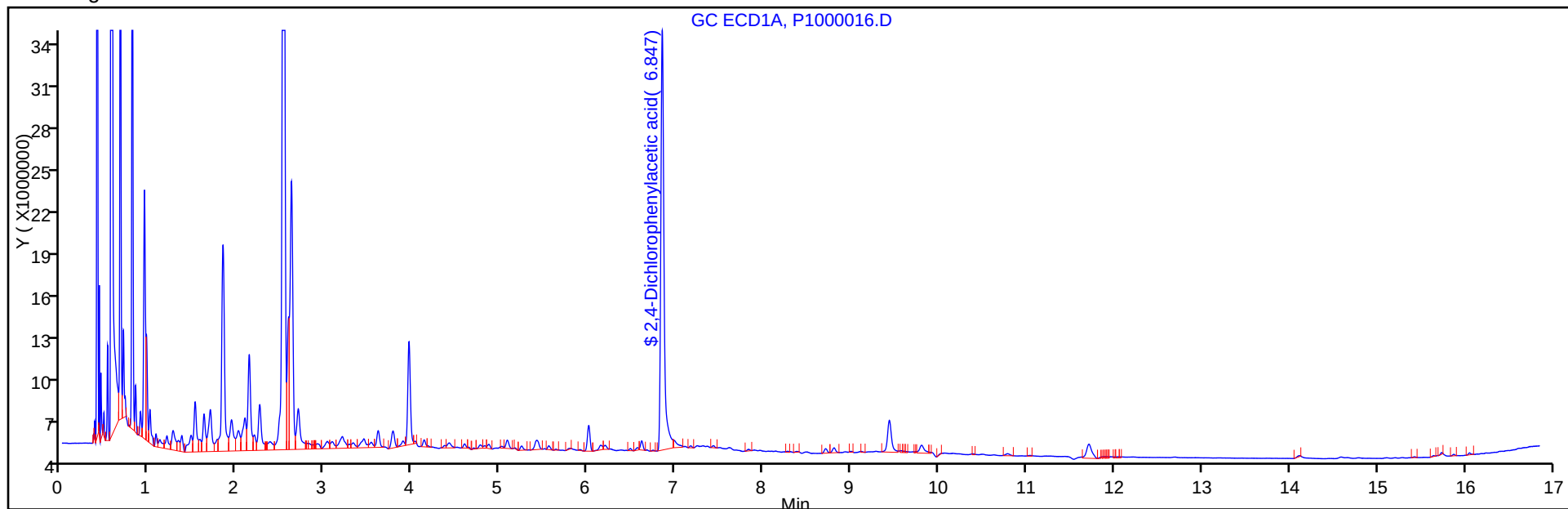
Operator ID: 001754

Injection Vol: 1.0 ul

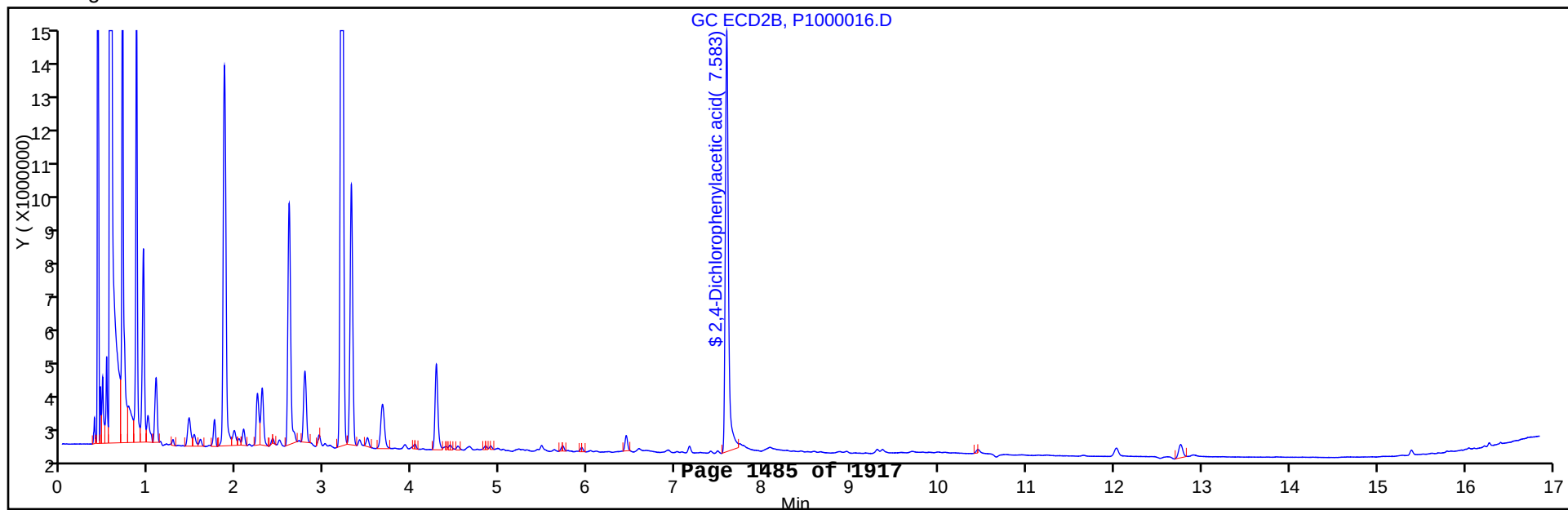
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-21987-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 240-78626/3-A
 Matrix: Water Lab File ID: P1000016.D
 Analysis Method: 8151/DOD Date Collected: _____
 Extraction Method: 8151A Date Extracted: 03/18/2013 10:35
 Sample wt/vol: 500 (mL) Date Analyzed: 03/22/2013 21:21
 Con. Extract Vol.: 100 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: CLP-2 ID: 0.53 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 79197 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
94-75-7	2,4-D	0.50	U	4.0	0.50	0.41
75-99-0	Dalapon	0.20	U	2.0	0.20	0.17
94-82-6	2,4-DB	1.0	U	4.0	1.0	0.69
1918-00-9	Dicamba	1.0	U	2.0	1.0	0.52
120-36-5	Dichlorprop	1.0	U	4.0	1.0	0.86
88-85-7	Dinoseb	0.20	U	0.60	0.20	0.087
94-74-6	MCPA	400	U	400	400	390
93-65-2	MCPP	400	U	400	400	400
87-86-5	Pentachlorophenol	0.040	U	0.10	0.040	0.024
93-72-1	Silvex (2,4,5-TP)	0.20	U	1.0	0.20	0.20
93-76-5	2,4,5-T	0.50	U	1.0	0.50	0.30

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	88		32-112

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20130322-18190.b\P1000016.D
 Lims ID: MB 240-78626/3-A Client ID:
 Inject. Date: 22-Mar-2013 21:21:18 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID: 240-0018190-016
 Misc. Info.:
 Operator: 001754 Instrument ID: A2HP1
 Injection Vol: 1.0 ul ALS Bottle#: 16
 Lims Batch ID: 79197 Lims Sample ID: 16
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCChrom\ChromData\A2HP1\20130322-18190.b\8151_1.m
 Last Update: 27-Mar-2013 11:19:55 Calib Date: 22-Mar-2013 19:24:11
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCChrom\ChromData\A2HP1\20130322-18190.b\P1000011.D
 Limit Group: GC 8151 DOD
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK004

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

5 Dalapon

1		1.201				
2		1.371				

\$ 4 2,4-Dichlorophenylacetic acid

1	6.847	6.847	0.000	29891194	0.1585	
2	7.583	7.582	0.001	11906591	0.1755	

RPD = 10.16

6 Dicamba

1		7.011				1
2		7.748				

10 MCPP

1		7.295				1
2		7.930				

9 MCPA

1		7.455				1
2		8.180				

7 Dichlorprop

1		7.822				
2		8.534				

2 2,4-D

1		8.055				1
2		8.889				

11 Pentachlorophenol

1		8.143				1
2		9.178				

12 Silvex (2,4,5-TP)

1		8.907				1
2		9.812				

Data File: \\NCChrom\ChromData\A2HP1\20130322-18190.b\P1000016.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
1	2,4,5-T					1
1		9.217				
2		10.292				
3	2,4-DB					1
1		9.834				
2		10.940				
8	Dinoseb					
1		11.009				
2		11.294				

QC Flag Legend

Processing Flags

1 - Missing Peaks

Report Date: 27-Mar-2013 11:19:57

Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\P1000016.D

Injection Date: 22-Mar-2013 21:21:18

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 79197

Lims Sample ID: 16

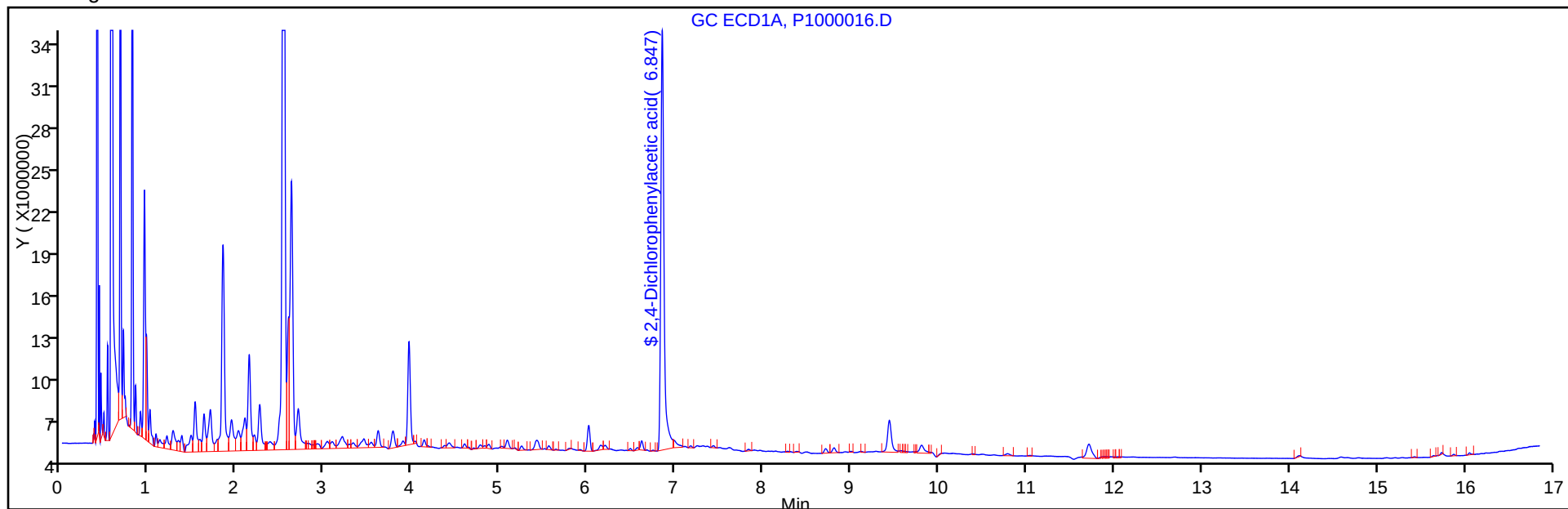
Operator ID: 001754

Injection Vol: 1.0 ul

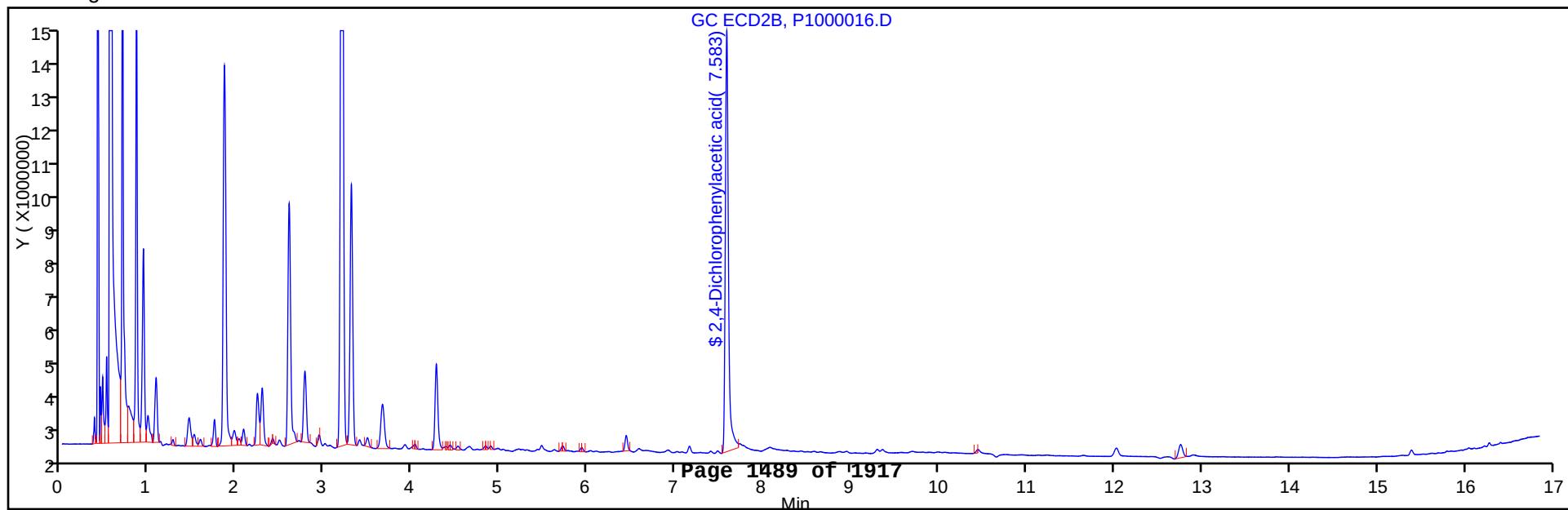
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Column Dia:

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-21987-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 240-78626/4-A
Matrix: Water Lab File ID: P1000017.D
Analysis Method: 8151/DOD Date Collected: _____
Extraction Method: 8151A Date Extracted: 03/18/2013 10:35
Sample wt/vol: 500 (mL) Date Analyzed: 03/22/2013 21:44
Con. Extract Vol.: 100 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: CLP-1 ID: 0.53 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 79197 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	91		32-112

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\P1000017.D
 Lims ID: LCS 240-78626/4-A Client ID:
 Inject. Date: 22-Mar-2013 21:44:42 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: 240-0018190-017
 Misc. Info.:
 Operator: 001754 Instrument ID: A2HP1
 Injection Vol: 1.0 ul ALS Bottle#: 17
 Lims Batch ID: 79197 Lims Sample ID: 17
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\8151_1.m
 Last Update: 27-Mar-2013 11:19:55 Calib Date: 22-Mar-2013 19:24:11
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\P1000011.D
 Limit Group: GC 8151 DOD
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK004

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

5 Dalapon

1	1.201	1.201	0.000	44597214	0.0790	
2	1.370	1.371	-0.001	13608959	0.0875	
RPD = 10.15						

\$ 4 2,4-Dichlorophenylacetic acid

1	6.845	6.847	-0.002	34385589	0.1824	
2	7.581	7.582	-0.001	13493579	0.1989	
RPD = 8.66						

6 Dicamba

1	7.010	7.011	-0.001	73709893	0.0920	
2	7.748	7.748	0.000	28363497	0.0983	
RPD = 6.64						

10 MCPP

1	7.294	7.295	-0.001	30909708	19.6	
2	7.930	7.930	0.000	24473053	20.4	
RPD = 4.30						

9 MCPA

1	7.454	7.455	-0.001	42107943	20.4	
2	8.181	8.180	0.001	32871302	19.0	
RPD = 7.06						

7 Dichlorprop

1	7.821	7.822	-0.001	40417124	0.2279	
2	8.533	8.534	-0.001	14937988	0.2510	
RPD = 9.65						

2 2,4-D

1	8.051	8.055	-0.004	41471780	0.2155	
2	8.886	8.889	-0.003	13922793	0.2087	
RPD = 3.22						

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

11 Pentachlorophenol

1	8.140	8.143	-0.003	75033440	0.0285	
2	9.175	9.178	-0.003	27645014	0.0276	
RPD = 3.11						

12 Silvex (2,4,5-TP)

1	8.904	8.907	-0.003	47810193	0.0490	
2	9.809	9.812	-0.003	15685044	0.0508	
RPD = 3.49						

1 2,4,5-T

1	9.208	9.217	-0.009	40967144	0.0545	
2	10.286	10.292	-0.006	13569326	0.0555	
RPD = 1.91						

3 2,4-DB

1	9.823	9.834	-0.011	8598370	0.1194	
2	10.930	10.940	-0.010	2727593	0.1070	
RPD = 10.97						

8 Dinoseb

1	11.006	11.009	-0.003	14676327	0.0235	
2	11.292	11.294	-0.002	4704488	0.0251	
RPD = 6.54						

Report Date: 27-Mar-2013 11:19:58

Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\P1000017.D

Injection Date: 22-Mar-2013 21:44:42

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 79197

Lims Sample ID: 17

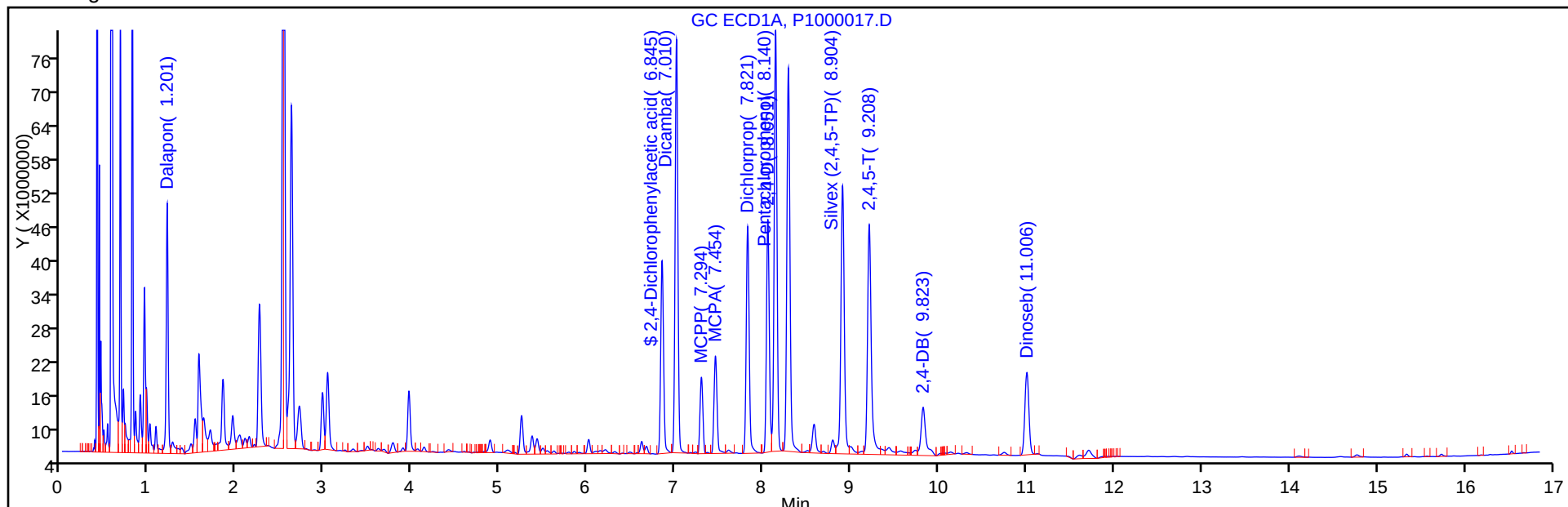
Operator ID: 001754

Injection Vol: 1.0 ul

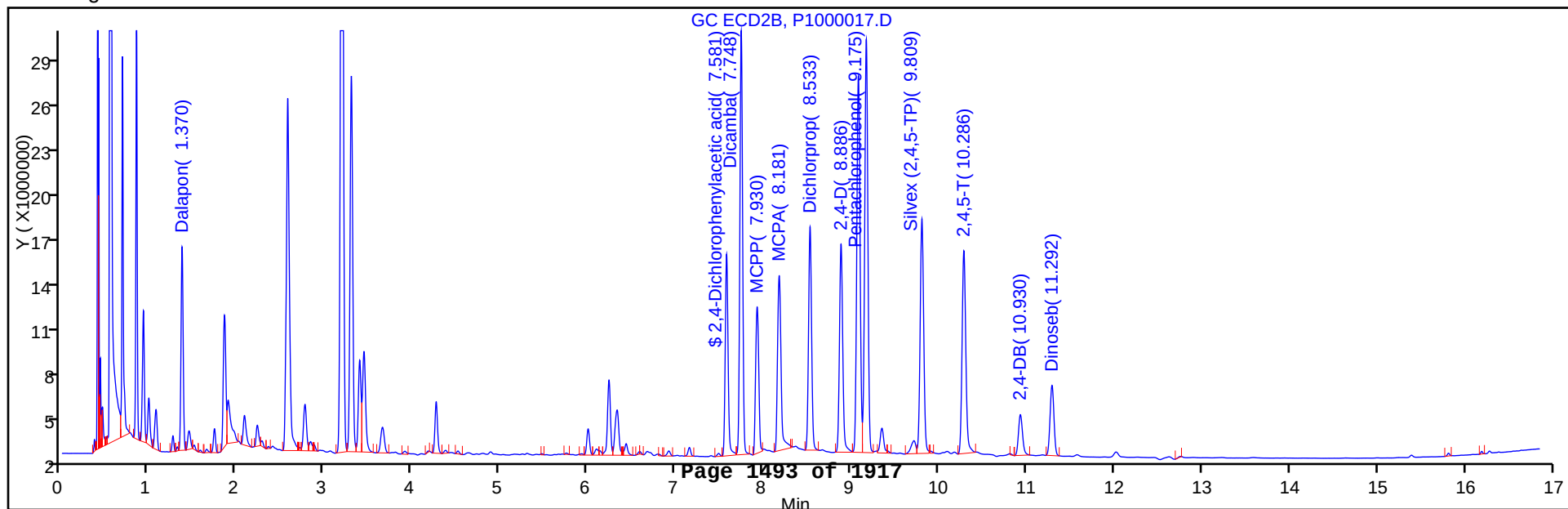
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-21987-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 240-78626/4-A
 Matrix: Water Lab File ID: P1000017.D
 Analysis Method: 8151/DOD Date Collected: _____
 Extraction Method: 8151A Date Extracted: 03/18/2013 10:35
 Sample wt/vol: 500 (mL) Date Analyzed: 03/22/2013 21:44
 Con. Extract Vol.: 100 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: CLP-2 ID: 0.53 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 79197 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
94-75-7	2,4-D	41.7		4.0	0.50	0.41
75-99-0	Dalapon	17.5		2.0	0.20	0.17
94-82-6	2,4-DB	21.4		4.0	1.0	0.69
1918-00-9	Dicamba	19.7		2.0	1.0	0.52
120-36-5	Dichlorprop	50.2	Q	4.0	1.0	0.86
88-85-7	Dinoseb	5.02		0.60	0.20	0.087
94-74-6	MCPA	3800		400	400	390
93-65-2	MCPP	4090		400	400	400
87-86-5	Pentachlorophenol	5.53		0.10	0.040	0.024
93-72-1	Silvex (2,4,5-TP)	10.2		1.0	0.20	0.20
93-76-5	2,4,5-T	11.1	Q	1.0	0.50	0.30

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	99		32-112

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20130322-18190.b\P1000017.D
 Lims ID: LCS 240-78626/4-A Client ID:
 Inject. Date: 22-Mar-2013 21:44:42 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: 240-0018190-017
 Misc. Info.:
 Operator: 001754 Instrument ID: A2HP1
 Injection Vol: 1.0 ul ALS Bottle#: 17
 Lims Batch ID: 79197 Lims Sample ID: 17
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCChrom\ChromData\A2HP1\20130322-18190.b\8151_1.m
 Last Update: 27-Mar-2013 11:19:55 Calib Date: 22-Mar-2013 19:24:11
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCChrom\ChromData\A2HP1\20130322-18190.b\P1000011.D
 Limit Group: GC 8151 DOD
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK004

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

5 Dalapon

1	1.201	1.201	0.000	44597214	0.0790
2	1.370	1.371	-0.001	13608959	0.0875

RPD = 10.15

\$ 4 2,4-Dichlorophenylacetic acid

1	6.845	6.847	-0.002	34385589	0.1824
2	7.581	7.582	-0.001	13493579	0.1989

RPD = 8.66

6 Dicamba

1	7.010	7.011	-0.001	73709893	0.0920
2	7.748	7.748	0.000	28363497	0.0983

RPD = 6.64

10 MCPP

1	7.294	7.295	-0.001	30909708	19.6
2	7.930	7.930	0.000	24473053	20.4

RPD = 4.30

9 MCPA

1	7.454	7.455	-0.001	42107943	20.4
2	8.181	8.180	0.001	32871302	19.0

RPD = 7.06

7 Dichlorprop

1	7.821	7.822	-0.001	40417124	0.2279
2	8.533	8.534	-0.001	14937988	0.2510

RPD = 9.65

2 2,4-D

1	8.051	8.055	-0.004	41471780	0.2155
2	8.886	8.889	-0.003	13922793	0.2087

RPD = 3.22

Data File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\P1000017.D

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

11 Pentachlorophenol

1	8.140	8.143	-0.003	75033440	0.0285	
2	9.175	9.178	-0.003	27645014	0.0276	
RPD = 3.11						

12 Silvex (2,4,5-TP)

1	8.904	8.907	-0.003	47810193	0.0490	
2	9.809	9.812	-0.003	15685044	0.0508	
RPD = 3.49						

1 2,4,5-T

1	9.208	9.217	-0.009	40967144	0.0545	
2	10.286	10.292	-0.006	13569326	0.0555	
RPD = 1.91						

3 2,4-DB

1	9.823	9.834	-0.011	8598370	0.1194	
2	10.930	10.940	-0.010	2727593	0.1070	
RPD = 10.97						

8 Dinoseb

1	11.006	11.009	-0.003	14676327	0.0235	
2	11.292	11.294	-0.002	4704488	0.0251	
RPD = 6.54						

Report Date: 27-Mar-2013 11:19:58

Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\P1000017.D

Injection Date: 22-Mar-2013 21:44:42

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 79197

Lims Sample ID: 17

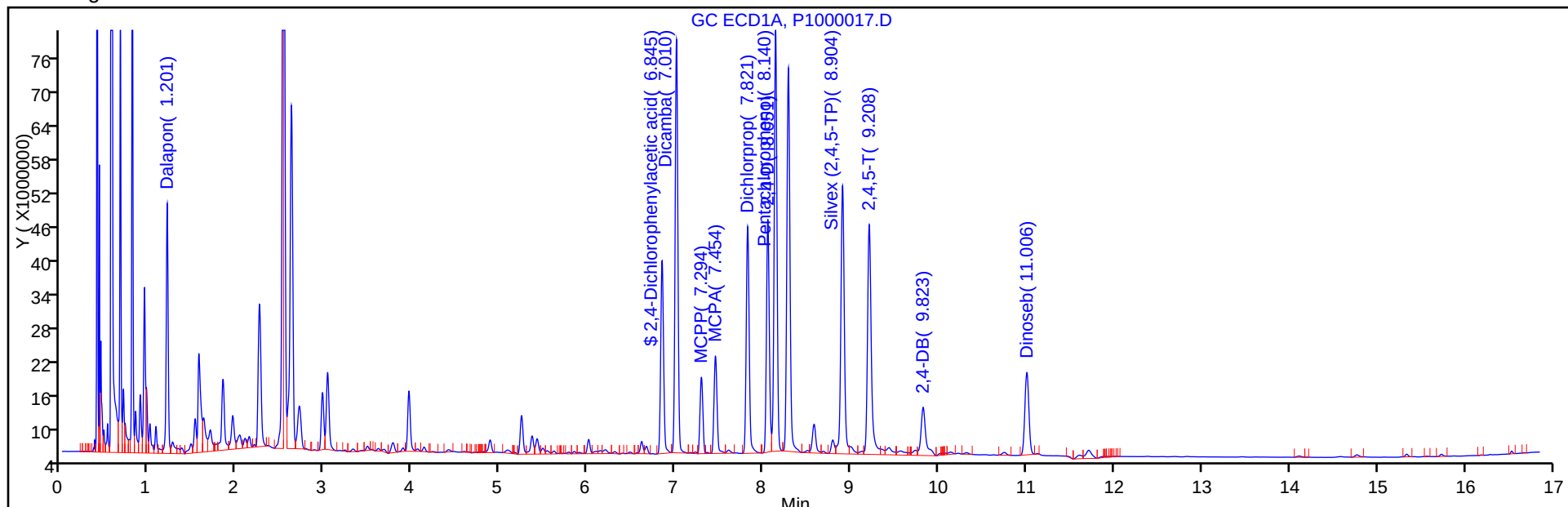
Operator ID: 001754

Injection Vol: 1.0 ul

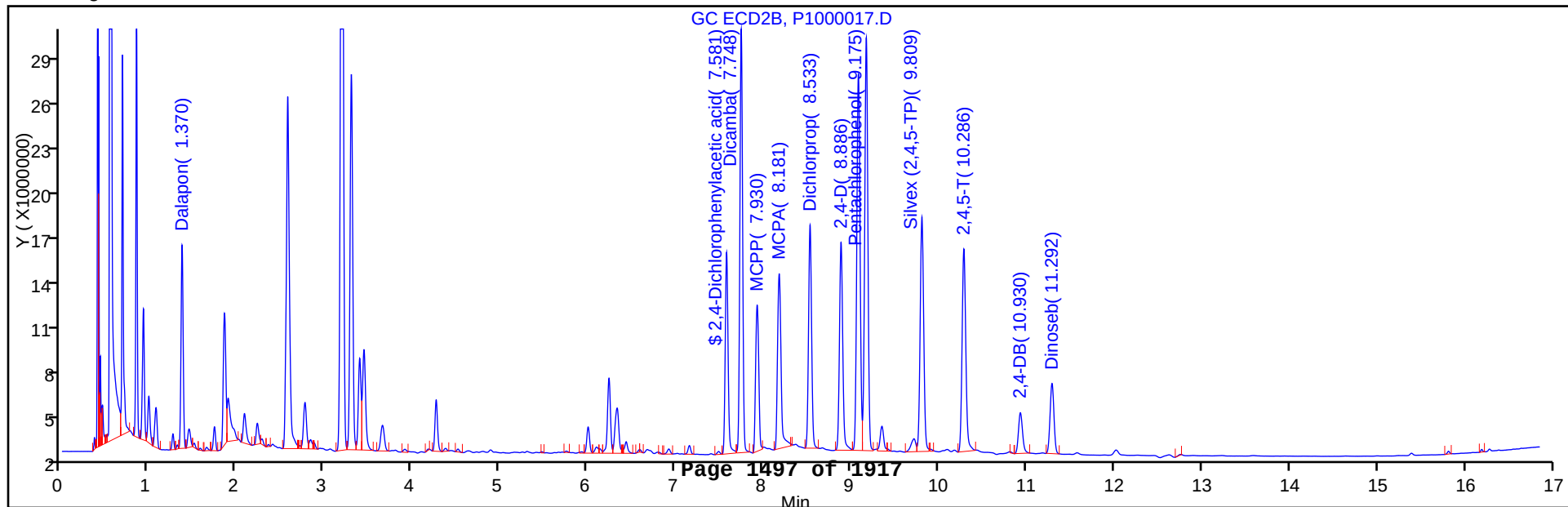
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-21987-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MRL 240-79197/13
 Matrix: Water Lab File ID: P1000013.D
 Analysis Method: 8151/DOD Date Collected: _____
 Extraction Method: _____ Date Extracted: _____
 Sample wt/vol: 1(mL) Date Analyzed: 03/22/2013 20:11
 Con. Extract Vol.: 1.0(mL) Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 79197 Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
94-75-7	2,4-D	0.0231		0.0040	0.00050	0.00041
75-99-0	Dalapon	0.0127		0.0020	0.00020	0.00017
94-82-6	2,4-DB	0.0208		0.0040	0.0010	0.00069
1918-00-9	Dicamba	0.0120		0.0020	0.0010	0.00052
120-36-5	Dichlorprop	0.0259		0.0040	0.0010	0.00086
88-85-7	Dinoseb	0.00365		0.00060	0.00020	0.000087
94-74-6	MCPA	0.962	^	0.40	0.40	0.39
93-65-2	MCPP	1.41		0.40	0.40	0.40
87-86-5	Pentachlorophenol	0.000040	U	0.00010	0.000040	0.000024
93-72-1	Silvex (2,4,5-TP)	0.00550		0.0010	0.00020	0.00020
93-76-5	2,4,5-T	0.00521		0.0010	0.00050	0.00030

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	130	Q	32-112

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\P1000013.D
 Lims ID: MRL Client ID:
 Inject. Date: 22-Mar-2013 20:11:04 Dil. Factor: 1.0000
 Sample Type: MRL
 Sample ID: 240-0018190-013
 Misc. Info.:
 Operator: 001754 Instrument ID: A2HP1
 Injection Vol: 1.0 ul ALS Bottle#: 13
 Lims Batch ID: 79197 Lims Sample ID: 13
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\8151_1.m
 Last Update: 27-Mar-2013 11:19:53 Calib Date: 22-Mar-2013 19:24:11
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\P1000011.D
 Limit Group: GC 8151 DOD
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK004

First Level Reviewer: bolgrind

Date:

25-Mar-2013 10:55:25

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

5 Dalapon

1	1.201	1.201	0.000	7137477	0.0127	
2	1.370	1.371	-0.001	1905094	0.0122	
RPD = 3.23						

\$ 4 2,4-Dichlorophenylacetic acid

1	6.848	6.847	0.001	4899397	0.0260	
2	7.586	7.582	0.004	1590245	0.0234	
RPD = 10.30						

6 Dicamba

1	7.011	7.011	0.000	9627194	0.0120	
2	7.750	7.748	0.002	3152811	0.0109	
RPD = 9.48						

10 MCPP

1	7.296	7.295	0.001	3862033	1.41	
2	7.930	7.930	0.000	3399934	0.8976	
RPD = 44.67						

9 MCPA

1	7.456	7.455	0.001	7235153	0.9617	
2	8.181	8.180	0.001	5145646	0.9248	
RPD = 3.92						

7 Dichlorprop

1	7.823	7.822	0.001	4595917	0.0259	
2	8.534	8.534	0.000	1327464	0.0223	
RPD = 14.97						

2 2,4-D

1	8.061	8.055	0.006	4438882	0.0231	
2	8.894	8.889	0.005	1368906	0.0205	
RPD = 11.70						

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

11 Pentachlorophenol 1

1 8.142

2 9.176

12 Silvex (2,4,5-TP)

1 8.910 8.907 0.003 5368601 0.005503

2 9.814 9.812 0.002 1567913 0.005073

RPD = 8.13

1 2,4,5-T

1 9.223 9.217 0.006 3921357 0.005214

2 10.298 10.292 0.006 1156606 0.004733

RPD = 9.68

3 2,4-DB

1 9.841 9.834 0.007 1497938 0.0208

2 10.946 10.940 0.006 493216 0.0193

RPD = 7.25

8 Dinoseb

1 11.010 11.009 0.001 2281728 0.003655 M

2 11.294 11.294 0.000 568803 0.003034 M

RPD = 18.55

QC Flag Legend

Processing Flags

1 - Missing Peaks

Review Flags

M - Manually Integrated

Report Date: 27-Mar-2013 11:19:55

Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\P1000013.D

Injection Date: 22-Mar-2013 20:11:04

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 79197

Lims Sample ID: 13

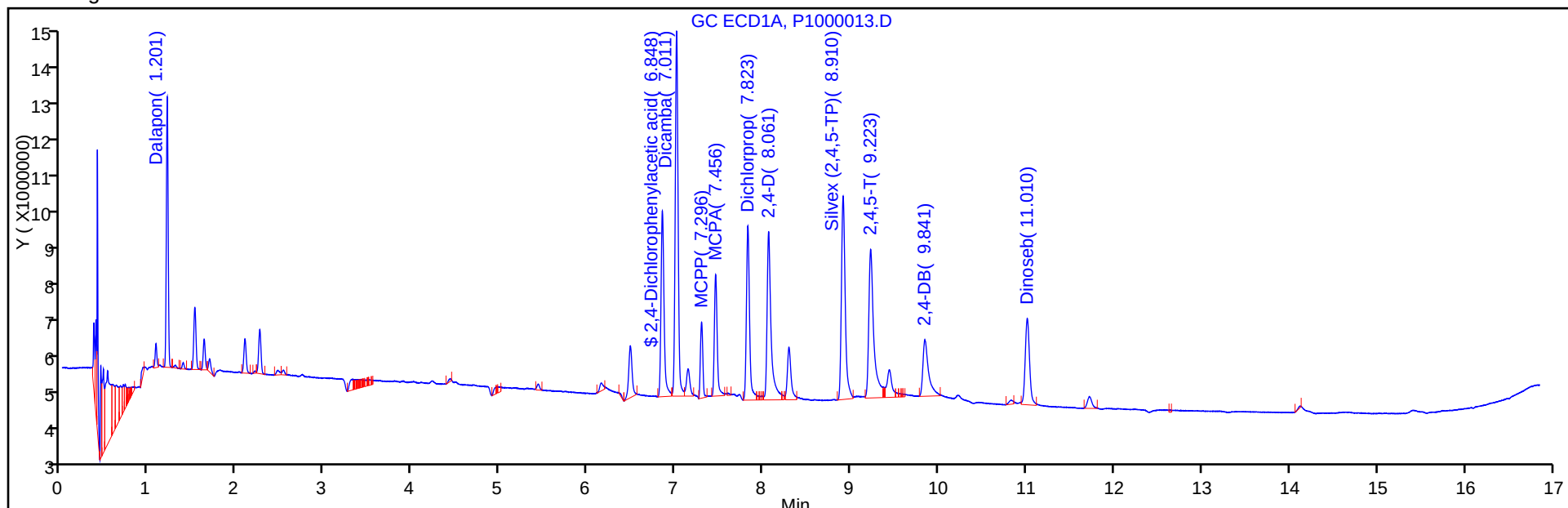
Operator ID: 001754

Injection Vol: 1.0 ul

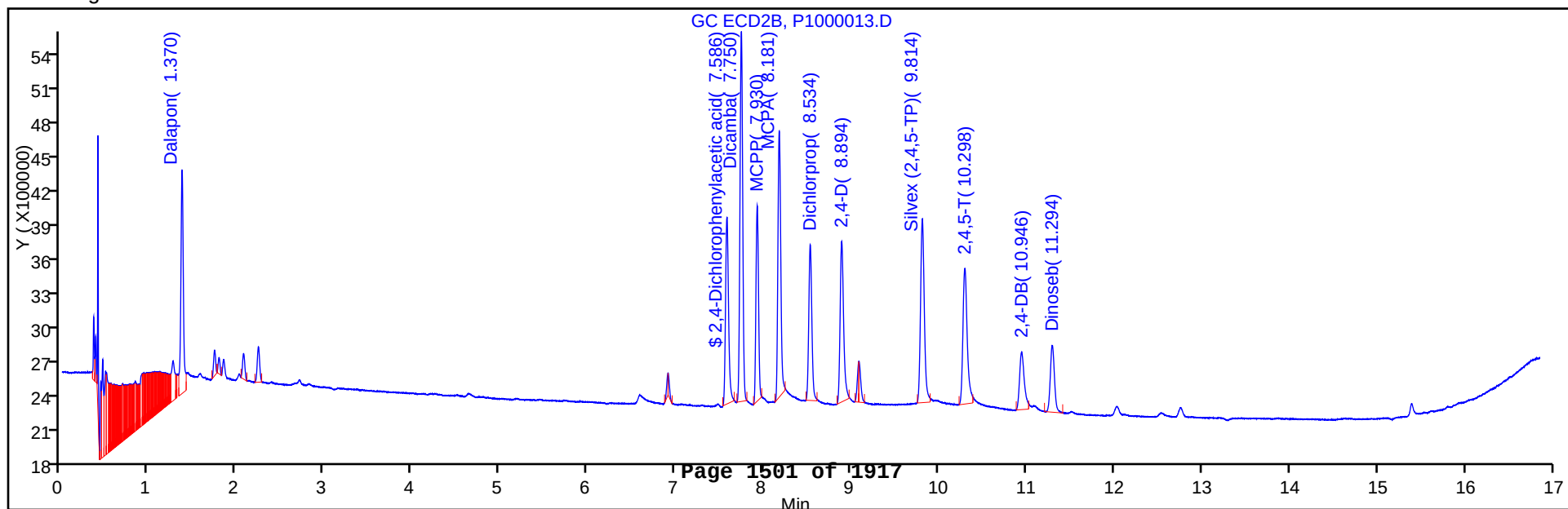
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-21987-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MRL 240-79197/13
 Matrix: Water Lab File ID: P1000013.D
 Analysis Method: 8151/DOD Date Collected: _____
 Extraction Method: _____ Date Extracted: _____
 Sample wt/vol: 1(mL) Date Analyzed: 03/22/2013 20:11
 Con. Extract Vol.: 1.0(mL) Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 79197 Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
94-75-7	2,4-D	0.0205		0.0040	0.00050	0.00041
75-99-0	Dalapon	0.0122		0.0020	0.00020	0.00017
94-82-6	2,4-DB	0.0193		0.0040	0.0010	0.00069
1918-00-9	Dicamba	0.0109		0.0020	0.0010	0.00052
120-36-5	Dichlorprop	0.0223		0.0040	0.0010	0.00086
88-85-7	Dinoseb	0.00303	M	0.00060	0.00020	0.000087
94-74-6	MCPA	0.925	^	0.40	0.40	0.39
93-65-2	MCPP	0.898	^	0.40	0.40	0.40
87-86-5	Pentachlorophenol	0.000040	U	0.00010	0.000040	0.000024
93-72-1	Silvex (2,4,5-TP)	0.00507		0.0010	0.00020	0.00020
93-76-5	2,4,5-T	0.00473		0.0010	0.00050	0.00030

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	117	Q	32-112

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20130322-18190.b\P1000013.D
 Lims ID: MRL Client ID:
 Inject. Date: 22-Mar-2013 20:11:04 Dil. Factor: 1.0000
 Sample Type: MRL
 Sample ID: 240-0018190-013
 Misc. Info.:
 Operator: 001754 Instrument ID: A2HP1
 Injection Vol: 1.0 ul ALS Bottle#: 13
 Lims Batch ID: 79197 Lims Sample ID: 13
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCChrom\ChromData\A2HP1\20130322-18190.b\8151_1.m
 Last Update: 27-Mar-2013 11:19:53 Calib Date: 22-Mar-2013 19:24:11
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCChrom\ChromData\A2HP1\20130322-18190.b\P1000011.D
 Limit Group: GC 8151 DOD
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK004

First Level Reviewer: bolgrind

Date:

25-Mar-2013 10:55:25

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

5 Dalapon

1	1.201	1.201	0.000	7137477	0.0127
2	1.370	1.371	-0.001	1905094	0.0122

RPD = 3.23

\$ 4 2,4-Dichlorophenylacetic acid

1	6.848	6.847	0.001	4899397	0.0260
2	7.586	7.582	0.004	1590245	0.0234

RPD = 10.30

6 Dicamba

1	7.011	7.011	0.000	9627194	0.0120
2	7.750	7.748	0.002	3152811	0.0109

RPD = 9.48

10 MCPP

1	7.296	7.295	0.001	3862033	1.41
2	7.930	7.930	0.000	3399934	0.8976

RPD = 44.67

9 MCPA

1	7.456	7.455	0.001	7235153	0.9617
2	8.181	8.180	0.001	5145646	0.9248

RPD = 3.92

7 Dichlorprop

1	7.823	7.822	0.001	4595917	0.0259
2	8.534	8.534	0.000	1327464	0.0223

RPD = 14.97

2 2,4-D

1	8.061	8.055	0.006	4438882	0.0231
2	8.894	8.889	0.005	1368906	0.0205

RPD = 11.70

Data File: \\NCC\Chrom\ChromData\A2HP1\20130322-18190.b\P1000013.D

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

11 Pentachlorophenol 1

1 8.142

2 9.176

12 Silvex (2,4,5-TP)

1 8.910 8.907 0.003 5368601 0.005503

2 9.814 9.812 0.002 1567913 0.005073

RPD = 8.13

1 2,4,5-T

1 9.223 9.217 0.006 3921357 0.005214

2 10.298 10.292 0.006 1156606 0.004733

RPD = 9.68

3 2,4-DB

1 9.841 9.834 0.007 1497938 0.0208

2 10.946 10.940 0.006 493216 0.0193

RPD = 7.25

8 Dinoseb

1 11.010 11.009 0.001 2281728 0.003655 M

2 11.294 11.294 0.000 568803 0.003034 M

RPD = 18.55

QC Flag Legend

Processing Flags

1 - Missing Peaks

Review Flags

M - Manually Integrated

Report Date: 27-Mar-2013 11:19:55

Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\P1000013.D

Injection Date: 22-Mar-2013 20:11:04

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 79197

Lims Sample ID: 13

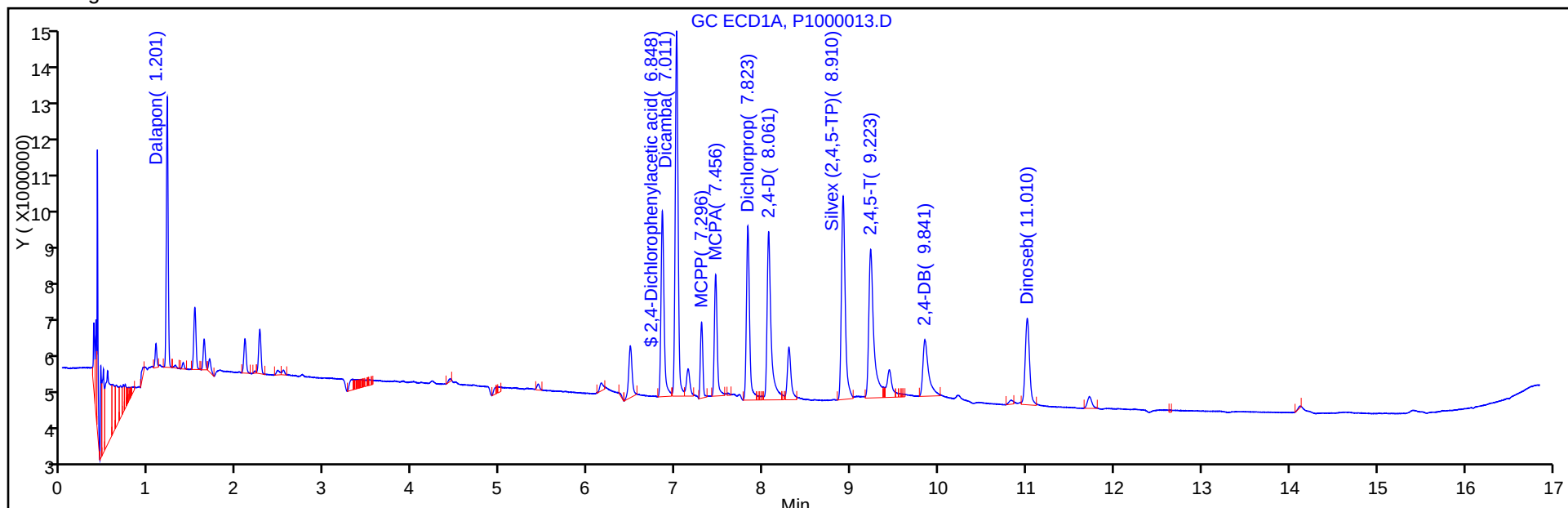
Operator ID: 001754

Injection Vol: 1.0 ul

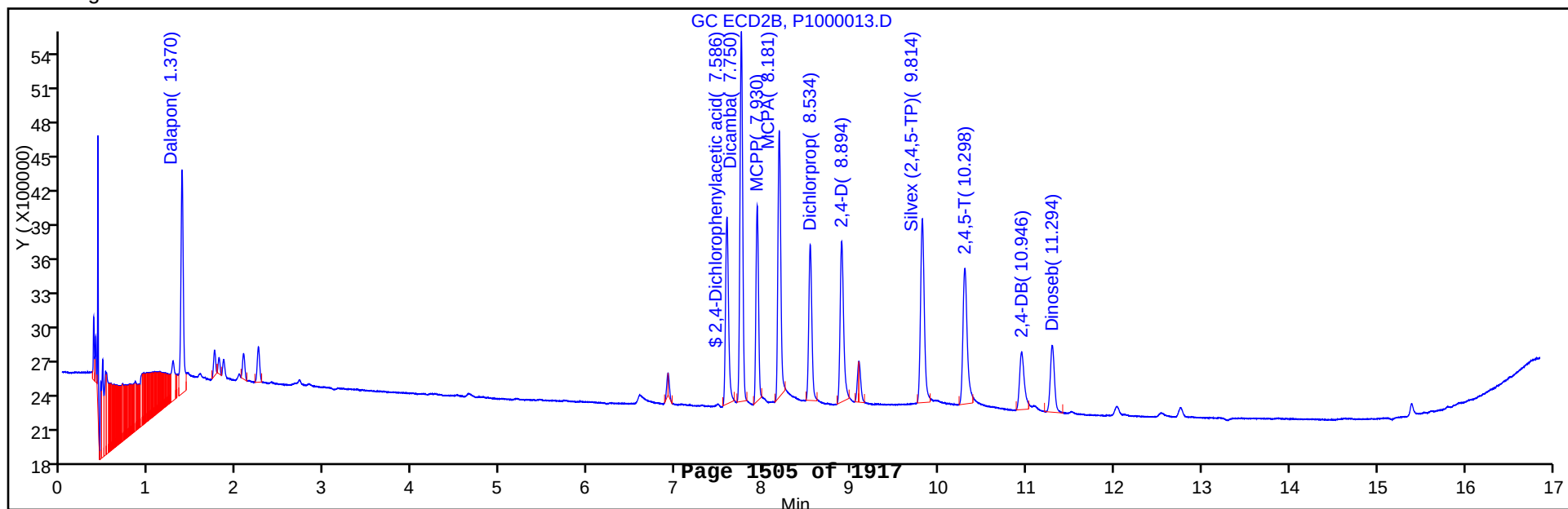
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\P1000013.D

Injection Date: 22-Mar-2013 20:11:04

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 79197

Lims Sample ID: 13

Operator ID: 001754

Injection Vol: 1.0 ul

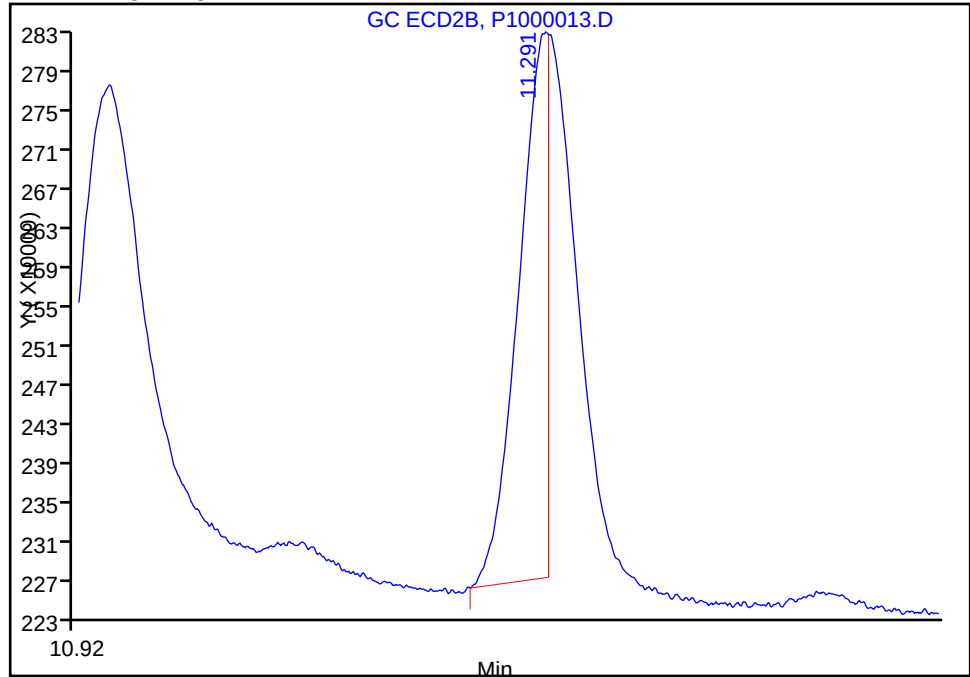
Column Type:

Column Dia:

8 Dinoseb, Signal: 2, Type: quant, RT: 11.29, Det: GC ecd2b

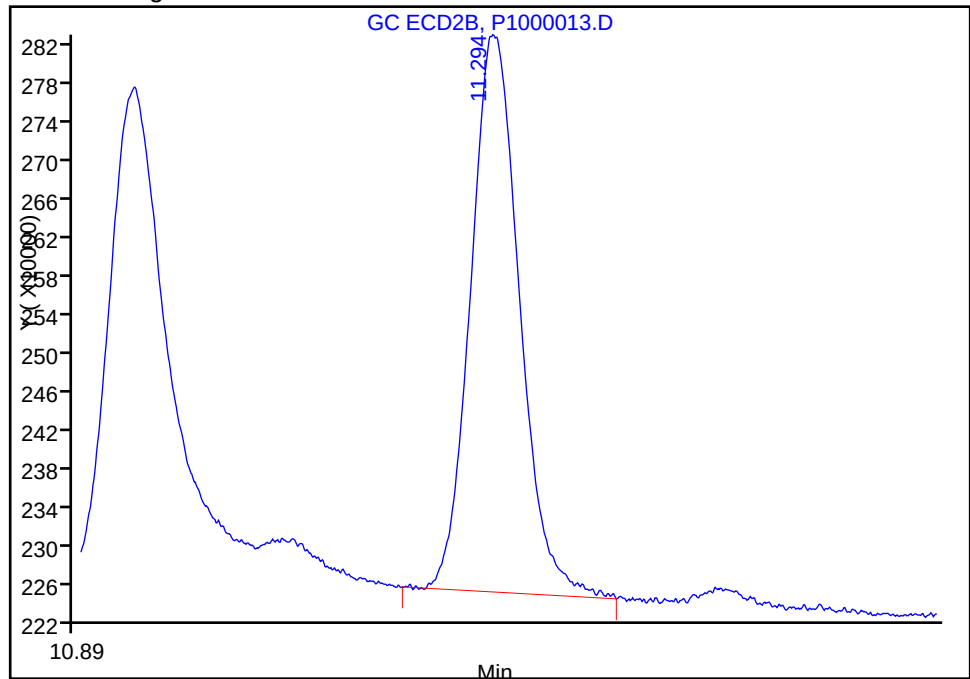
RT: 11.29
Response: 549073
Amount: 0.002929

Processing Integration Results



RT: 11.29
Response: 568803
Amount: 0.003034

Manual Integration Results



Reviewer: bolgrind, 27-Mar-2013 11:13:04

Audit Action: Manually Integrated

Audit Reason: Baseline Event

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-21987-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MRL 240-79197/20

Matrix: Water Lab File ID: P1000020.D

Analysis Method: 8151/DOD Date Collected: _____

Extraction Method: _____ Date Extracted: _____

Sample wt/vol: 1(mL) Date Analyzed: 03/22/2013 22:54

Con. Extract Vol.: 1.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)

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

Analysis Batch No.: 79197 Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
94-75-7	2,4-D	0.0231		0.0040	0.00050	0.00041
75-99-0	Dalapon	0.0127		0.0020	0.00020	0.00017
94-82-6	2,4-DB	0.0210		0.0040	0.0010	0.00069
1918-00-9	Dicamba	0.0122		0.0020	0.0010	0.00052
120-36-5	Dichlorprop	0.0262	^	0.0040	0.0010	0.00086
88-85-7	Dinoseb	0.00368		0.00060	0.00020	0.000087
94-74-6	MCPA	0.998	^	0.40	0.40	0.39
93-65-2	MCPP	1.46		0.40	0.40	0.40
87-86-5	Pentachlorophenol	0.000040	U	0.00010	0.000040	0.000024
93-72-1	Silvex (2,4,5-TP)	0.00559		0.0010	0.00020	0.00020
93-76-5	2,4,5-T	0.00518		0.0010	0.00050	0.00030

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	132	Q	32-112

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20130322-18190.b\P1000020.D
 Lims ID: MRL Client ID:
 Inject. Date: 22-Mar-2013 22:54:54 Dil. Factor: 1.0000
 Sample Type: MRL
 Sample ID: 240-0018190-020
 Misc. Info.:
 Operator: 001754 Instrument ID: A2HP1
 Injection Vol: 1.0 ul ALS Bottle#: 20
 Lims Batch ID: 79197 Lims Sample ID: 20
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCChrom\ChromData\A2HP1\20130322-18190.b\8151_1.m
 Last Update: 27-Mar-2013 11:19:59 Calib Date: 22-Mar-2013 19:24:11
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCChrom\ChromData\A2HP1\20130322-18190.b\P1000011.D
 Limit Group: GC 8151 DOD
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK004

First Level Reviewer: bolgrind

Date:

25-Mar-2013 10:26:44

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

5 Dalapon

1	1.201	1.201	0.000	7190981	0.0127	
2	1.371	1.371	0.000	1773561	0.0114	
RPD = 11.12						

\$ 4 2,4-Dichlorophenylacetic acid

1	6.848	6.847	0.001	4975513	0.0264	
2	7.584	7.582	0.002	1617312	0.0238	
RPD = 10.16						

6 Dicamba

1	7.011	7.010	0.001	9782944	0.0122	
2	7.749	7.748	0.001	3251343	0.0113	
RPD = 8.01						

10 MCPP

1	7.295	7.294	0.001	3934652	1.46	
2	7.930	7.930	0.000	3509356	0.99	
RPD = 38.17						

9 MCPA

1	7.456	7.454	0.002	7303969	1.00	
2	8.181	8.181	0.000	5306094	1.03	
RPD = 2.73						

7 Dichlorprop

1	7.824	7.822	0.002	4652483	0.0262	
2	8.535	8.534	0.001	1341393	0.0225	
RPD = 15.15						

2 2,4-D

1	8.059	8.054	0.005	4447567	0.0231	
2	8.894	8.889	0.005	1412408	0.0212	
RPD = 8.77						

Data File: \\NCCchrom\ChromData\A2HP1\20130322-18190.b\P1000020.D

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

11 Pentachlorophenol 1

1 8.142

2 9.176

12 Silvex (2,4,5-TP)

1 8.909 8.905 0.004 5450193 0.005587

2 9.813 9.812 0.001 1550038 0.005015

RPD = 10.78

1 2,4,5-T

1 9.224 9.215 0.009 3898319 0.005183

2 10.298 10.292 0.006 1157023 0.004734

RPD = 9.05

3 2,4-DB

1 9.841 9.832 0.009 1516112 0.0210 M

2 10.946 10.938 0.008 490562 0.0192 M

RPD = 8.99

8 Dinoseb

1 11.008 11.008 0.000 2297942 0.003681

2 11.296 11.294 0.002 552368 0.002947

RPD = 22.15

QC Flag Legend

Processing Flags

1 - Missing Peaks

Review Flags

M - Manually Integrated

Report Date: 27-Mar-2013 11:20:01

Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\P1000020.D

Injection Date: 22-Mar-2013 22:54:54

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 79197

Lims Sample ID: 20

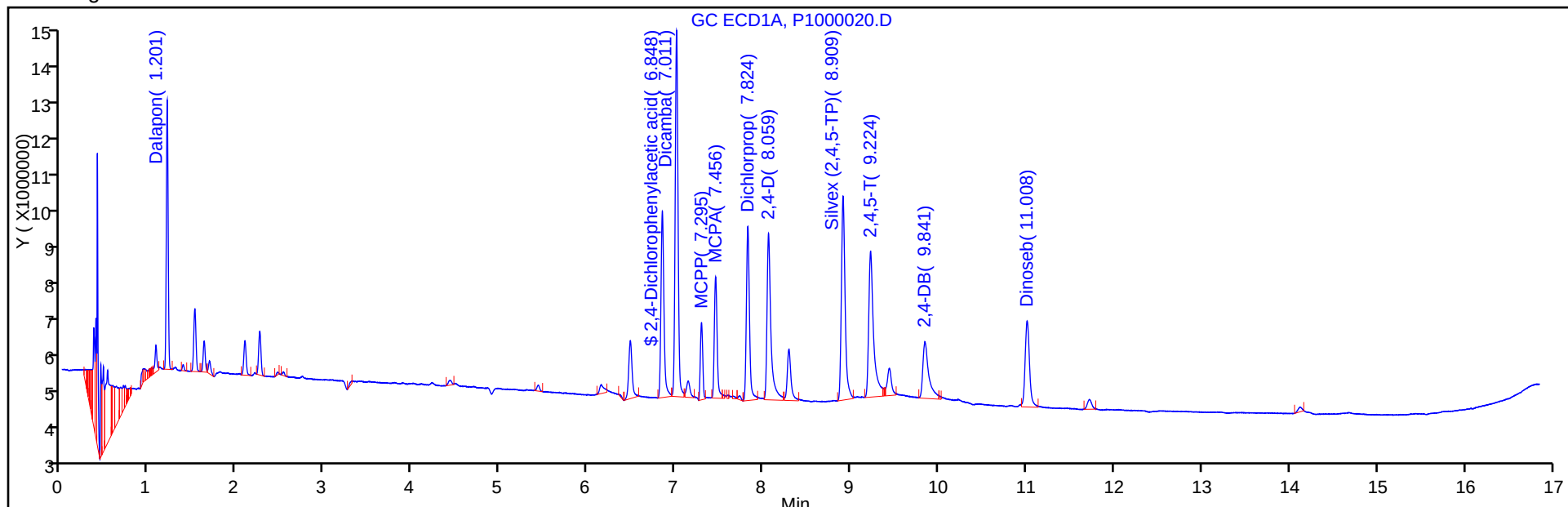
Operator ID: 001754

Injection Vol: 1.0 ul

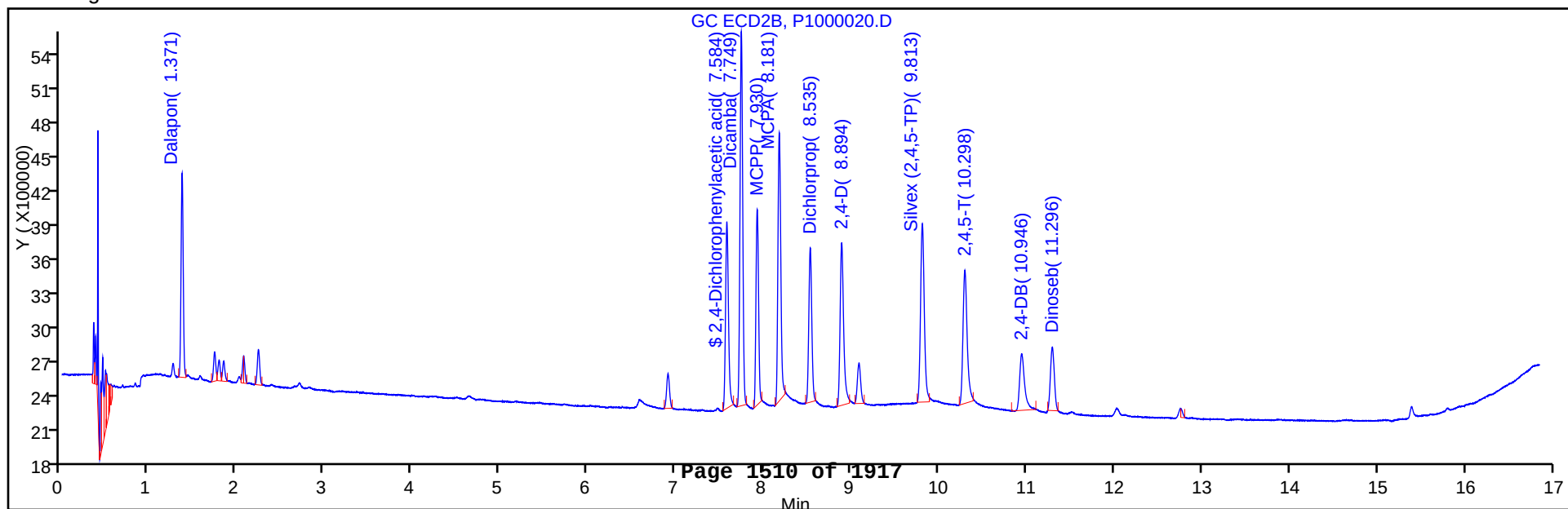
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-21987-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MRL 240-79197/20
 Matrix: Water Lab File ID: P1000020.D
 Analysis Method: 8151/DOD Date Collected: _____
 Extraction Method: _____ Date Extracted: _____
 Sample wt/vol: 1(mL) Date Analyzed: 03/22/2013 22:54
 Con. Extract Vol.: 1.0(mL) Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 79197 Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
94-75-7	2,4-D	0.0212		0.0040	0.00050	0.00041
75-99-0	Dalapon	0.0114		0.0020	0.00020	0.00017
94-82-6	2,4-DB	0.0192	M	0.0040	0.0010	0.00069
1918-00-9	Dicamba	0.0113		0.0020	0.0010	0.00052
120-36-5	Dichlorprop	0.0225		0.0040	0.0010	0.00086
88-85-7	Dinoseb	0.00295		0.00060	0.00020	0.000087
94-74-6	MCPA	1.03	^	0.40	0.40	0.39
93-65-2	MCPP	0.992	^	0.40	0.40	0.40
87-86-5	Pentachlorophenol	0.000040	U	0.00010	0.000040	0.000024
93-72-1	Silvex (2,4,5-TP)	0.00502		0.0010	0.00020	0.00020
93-76-5	2,4,5-T	0.00473		0.0010	0.00050	0.00030

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	119	Q	32-112

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP1\20130322-18190.b\P1000020.D
 Lims ID: MRL Client ID:
 Inject. Date: 22-Mar-2013 22:54:54 Dil. Factor: 1.0000
 Sample Type: MRL
 Sample ID: 240-0018190-020
 Misc. Info.:
 Operator: 001754 Instrument ID: A2HP1
 Injection Vol: 1.0 ul ALS Bottle#: 20
 Lims Batch ID: 79197 Lims Sample ID: 20
 Detector 1 : GC ECD1A
 Detector 2 : GC ecd2b
 Method: \\NCChrom\ChromData\A2HP1\20130322-18190.b\8151_1.m
 Last Update: 27-Mar-2013 11:19:59 Calib Date: 22-Mar-2013 19:24:11
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\NCChrom\ChromData\A2HP1\20130322-18190.b\P1000011.D
 Limit Group: GC 8151 DOD
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK004

First Level Reviewer: bolgrind

Date:

25-Mar-2013 10:26:44

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

5 Dalapon

1	1.201	1.201	0.000	7190981	0.0127
2	1.371	1.371	0.000	1773561	0.0114

RPD = 11.12

\$ 4 2,4-Dichlorophenylacetic acid

1	6.848	6.847	0.001	4975513	0.0264
2	7.584	7.582	0.002	1617312	0.0238

RPD = 10.16

6 Dicamba

1	7.011	7.010	0.001	9782944	0.0122
2	7.749	7.748	0.001	3251343	0.0113

RPD = 8.01

10 MCPP

1	7.295	7.294	0.001	3934652	1.46
2	7.930	7.930	0.000	3509356	0.99

RPD = 38.17

9 MCPA

1	7.456	7.454	0.002	7303969	1.00
2	8.181	8.181	0.000	5306094	1.03

RPD = 2.73

7 Dichlorprop

1	7.824	7.822	0.002	4652483	0.0262
2	8.535	8.534	0.001	1341393	0.0225

RPD = 15.15

2 2,4-D

1	8.059	8.054	0.005	4447567	0.0231
2	8.894	8.889	0.005	1412408	0.0212

RPD = 8.77

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

11 Pentachlorophenol 1

1 8.142

2 9.176

12 Silvex (2,4,5-TP)

1 8.909 8.905 0.004 5450193 0.005587

2 9.813 9.812 0.001 1550038 0.005015

RPD = 10.78

1 2,4,5-T

1 9.224 9.215 0.009 3898319 0.005183

2 10.298 10.292 0.006 1157023 0.004734

RPD = 9.05

3 2,4-DB

1 9.841 9.832 0.009 1516112 0.0210 M

2 10.946 10.938 0.008 490562 0.0192 M

RPD = 8.99

8 Dinoseb

1 11.008 11.008 0.000 2297942 0.003681

2 11.296 11.294 0.002 552368 0.002947

RPD = 22.15

QC Flag Legend

Processing Flags

1 - Missing Peaks

Review Flags

M - Manually Integrated

Report Date: 27-Mar-2013 11:20:01

Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\P1000020.D

Injection Date: 22-Mar-2013 22:54:54

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 79197

Lims Sample ID: 20

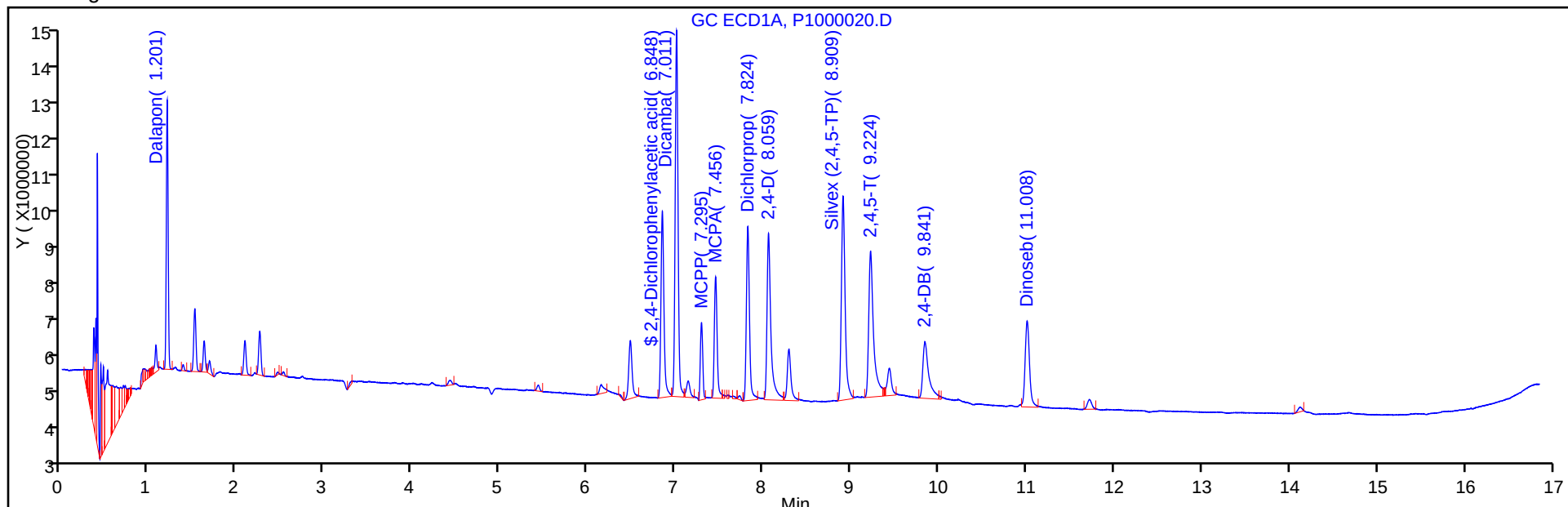
Operator ID: 001754

Injection Vol: 1.0 ul

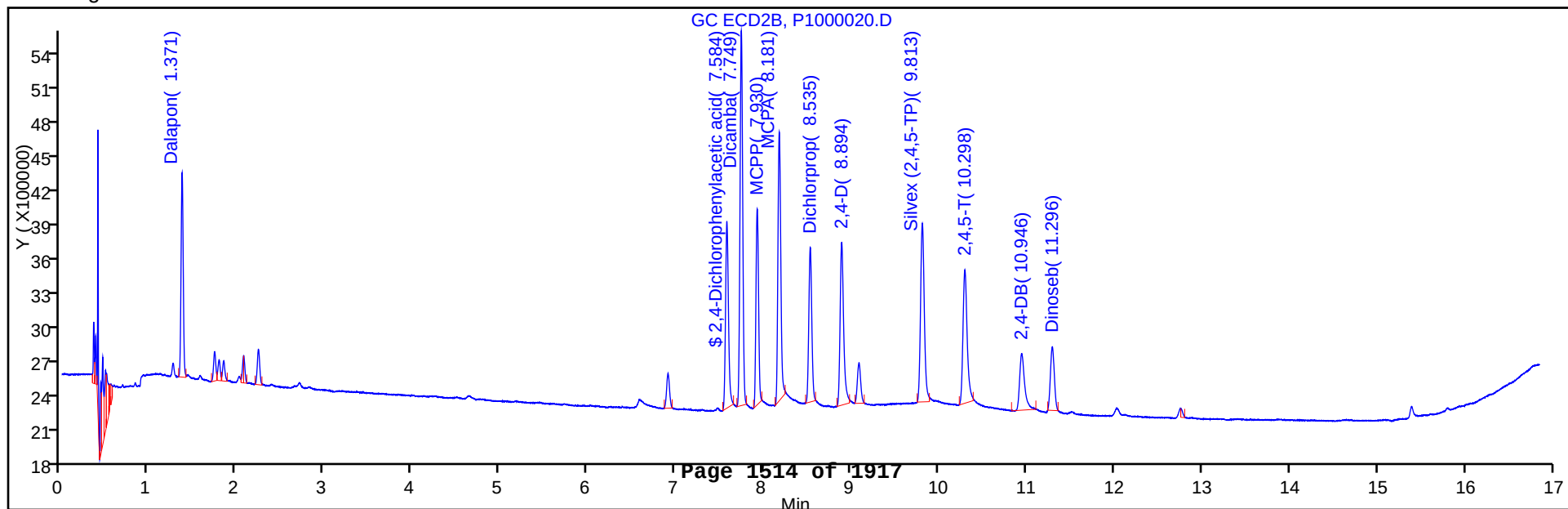
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



TestAmerica Canton

Data File: \\NCCChrom\ChromData\A2HP1\20130322-18190.b\P1000020.D

Injection Date: 22-Mar-2013 22:54:54

Limit Group: GC 8151 DOD

Client ID:

Instrument ID: A2HP1

Lims Batch ID: 79197

Lims Sample ID: 20

Operator ID: 001754

Injection Vol: 1.0 ul

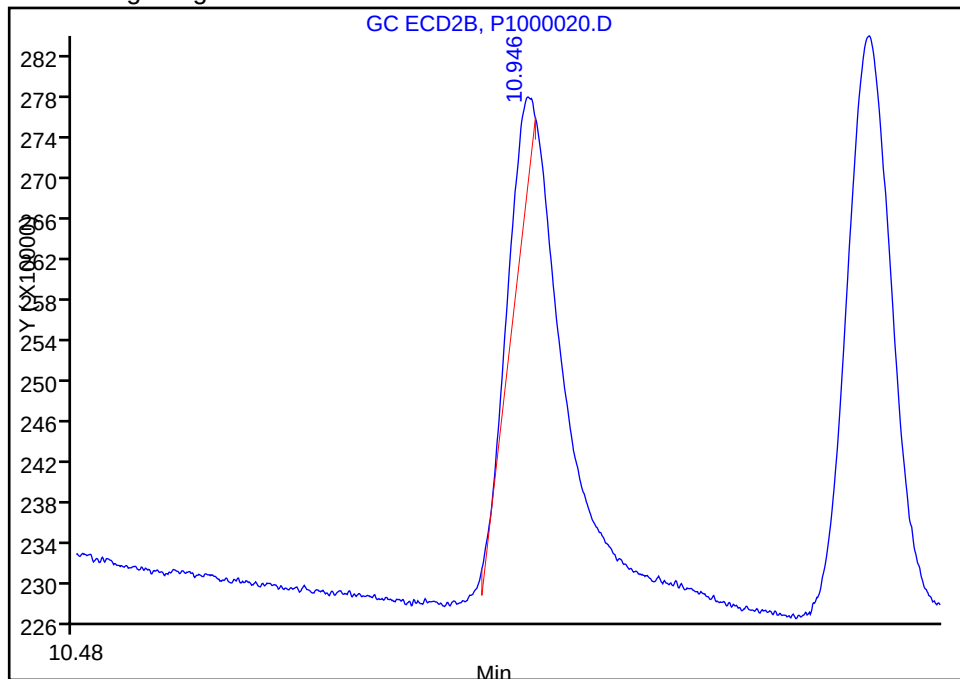
Column Type:

Column Dia:

3 2,4-DB, Signal: 2, Type: quant, RT: 10.94, Det: GC ecd2b

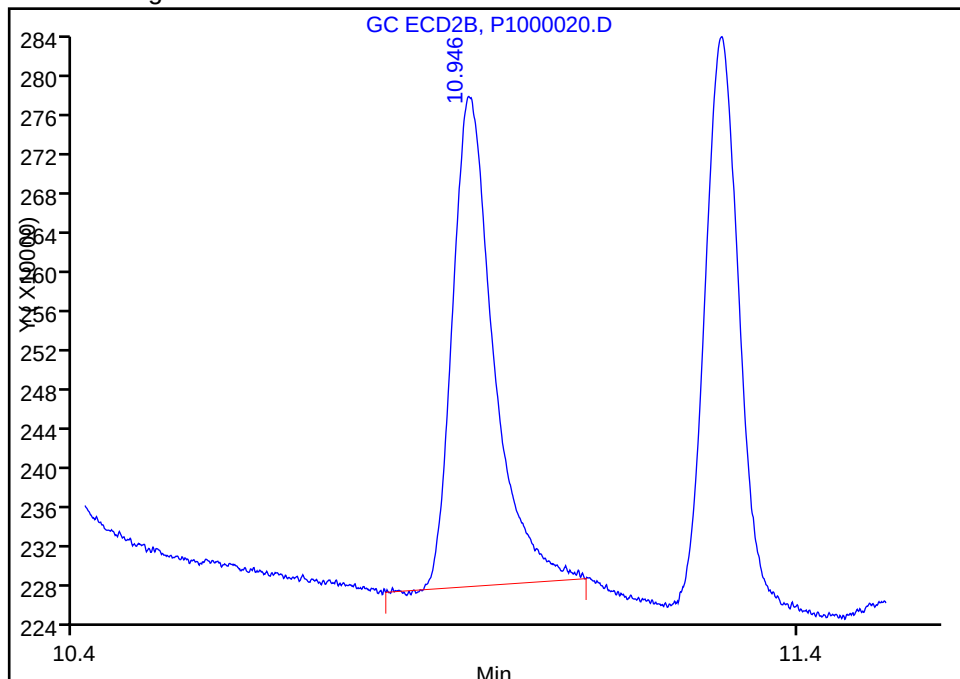
RT: 10.95
Response: 84626
Amount: 0.003319

Processing Integration Results



RT: 10.95
Response: 490562
Amount: 0.019238

Manual Integration Results



Reviewer: bolgrind, 27-Mar-2013 11:13:58

Audit Action: Manually Integrated

Audit Reason: Baseline Event

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica CantonJob No.: 240-21987-1

SDG No.: _____

Instrument ID: A2HP1Start Date: 03/18/2013 17:33Analysis Batch Number: 78658End Date: 03/19/2013 00:58

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD 240-78658/6 IC		03/18/2013 17:33	1		CLP-1 0.53 (mm)
STD 240-78658/6 IC		03/18/2013 17:33	1		CLP-2 0.53 (mm)
STD 240-78658/7 IC		03/18/2013 17:56	1		CLP-1 0.53 (mm)
STD 240-78658/7 IC		03/18/2013 17:56	1		CLP-2 0.53 (mm)
STD 240-78658/8 ICRT		03/18/2013 18:19	1		CLP-1 0.53 (mm)
STD 240-78658/8 ICRT		03/18/2013 18:19	1		CLP-2 0.53 (mm)
STD 240-78658/9 IC		03/18/2013 18:43	1		CLP-1 0.53 (mm)
STD 240-78658/9 IC		03/18/2013 18:43	1		CLP-2 0.53 (mm)
STD 240-78658/10 IC		03/18/2013 19:06	1		CLP-1 0.53 (mm)
STD 240-78658/10 IC		03/18/2013 19:06	1		CLP-2 0.53 (mm)
STD 240-78658/11 IC		03/18/2013 19:30	1		CLP-1 0.53 (mm)
STD 240-78658/11 IC		03/18/2013 19:30	1		CLP-2 0.53 (mm)
ICV 240-78658/12		03/18/2013 19:53	1		CLP-1 0.53 (mm)
ICV 240-78658/12		03/18/2013 19:53	1		CLP-2 0.53 (mm)
STD 240-78658/13 IC		03/18/2013 20:16	1	P1000013.D	CLP-1 0.53 (mm)
STD 240-78658/13 IC		03/18/2013 20:16	1	P1000013.D	CLP-2 0.53 (mm)
STD 240-78658/14 IC		03/18/2013 20:40	1	P1000014.D	CLP-1 0.53 (mm)
STD 240-78658/14 IC		03/18/2013 20:40	1	P1000014.D	CLP-2 0.53 (mm)
STD 240-78658/15 ICRT		03/18/2013 21:03	1	P1000015.D	CLP-1 0.53 (mm)
STD 240-78658/15 ICRT		03/18/2013 21:03	1	P1000015.D	CLP-2 0.53 (mm)
STD 240-78658/16 IC		03/18/2013 21:27	1	P1000016.D	CLP-1 0.53 (mm)
STD 240-78658/16 IC		03/18/2013 21:27	1	P1000016.D	CLP-2 0.53 (mm)
STD 240-78658/17 IC		03/18/2013 21:50	1	P1000017.D	CLP-1 0.53 (mm)
STD 240-78658/17 IC		03/18/2013 21:50	1	P1000017.D	CLP-2 0.53 (mm)
STD 240-78658/18 IC		03/18/2013 22:13	1	P1000018.D	CLP-1 0.53 (mm)
STD 240-78658/18 IC		03/18/2013 22:13	1	P1000018.D	CLP-2 0.53 (mm)
ICV 240-78658/19		03/18/2013 22:37	1		CLP-1 0.53 (mm)
ICV 240-78658/19		03/18/2013 22:37	1		CLP-2 0.53 (mm)
ZZZZZ		03/18/2013 23:00	1		CLP-1 0.53 (mm)
ZZZZZ		03/18/2013 23:00	1		CLP-2 0.53 (mm)
ZZZZZ		03/18/2013 23:24	1		CLP-1 0.53 (mm)
ZZZZZ		03/18/2013 23:24	1		CLP-2 0.53 (mm)
ZZZZZ		03/18/2013 23:47	1		CLP-1 0.53 (mm)
ZZZZZ		03/18/2013 23:47	1		CLP-2 0.53 (mm)
ZZZZZ		03/19/2013 00:11	1		CLP-1 0.53 (mm)
ZZZZZ		03/19/2013 00:11	1		CLP-2 0.53 (mm)
ZZZZZ		03/19/2013 00:34	1		CLP-1 0.53 (mm)
ZZZZZ		03/19/2013 00:34	1		CLP-2 0.53 (mm)
CCV 240-78658/25		03/19/2013 00:58	1		CLP-1 0.53 (mm)
CCV 240-78658/25		03/19/2013 00:58	1		CLP-2 0.53 (mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-21987-1

SDG No.: _____

Instrument ID: A2HP1 Start Date: 03/22/2013 17:26Analysis Batch Number: 79197 End Date: 03/22/2013 22:54

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD1 240-79197/6 IC		03/22/2013 17:26	1	P1000006.D	CLP-1 0.53 (mm)
STD1 240-79197/6 IC		03/22/2013 17:26	1	P1000006.D	CLP-2 0.53 (mm)
STD2 240-79197/7 IC		03/22/2013 17:50	1	P1000007.D	CLP-1 0.53 (mm)
STD2 240-79197/7 IC		03/22/2013 17:50	1	P1000007.D	CLP-2 0.53 (mm)
STD3 240-79197/8 IC		03/22/2013 18:13	1	P1000008.D	CLP-1 0.53 (mm)
STD3 240-79197/8 IC		03/22/2013 18:13	1	P1000008.D	CLP-2 0.53 (mm)
STD4 240-79197/9 IC		03/22/2013 18:37	1	P1000009.D	CLP-1 0.53 (mm)
STD4 240-79197/9 IC		03/22/2013 18:37	1	P1000009.D	CLP-2 0.53 (mm)
STD5 240-79197/10 IC		03/22/2013 19:00	1	P1000010.D	CLP-1 0.53 (mm)
STD5 240-79197/10 IC		03/22/2013 19:00	1	P1000010.D	CLP-2 0.53 (mm)
STD6 240-79197/11 IC		03/22/2013 19:24	1	P1000011.D	CLP-1 0.53 (mm)
STD6 240-79197/11 IC		03/22/2013 19:24	1	P1000011.D	CLP-2 0.53 (mm)
ICV 240-79197/12		03/22/2013 19:47	1	P1000012.D	CLP-1 0.53 (mm)
ICV 240-79197/12		03/22/2013 19:47	1	P1000012.D	CLP-2 0.53 (mm)
MRL 240-79197/13		03/22/2013 20:11	1	P1000013.D	CLP-1 0.53 (mm)
MRL 240-79197/13		03/22/2013 20:11	1	P1000013.D	CLP-2 0.53 (mm)
CCV 240-79197/14		03/22/2013 20:34	1	P1000014.D	CLP-1 0.53 (mm)
CCV 240-79197/14		03/22/2013 20:34	1	P1000014.D	CLP-2 0.53 (mm)
240-21987-1	079-0007-0001-SOURCEW ATER	03/22/2013 20:57	1	P1000015.D	CLP-1 0.53 (mm)
240-21987-1	079-0007-0001-SOURCEW ATER	03/22/2013 20:57	1	P1000015.D	CLP-2 0.53 (mm)
MB 240-78626/3-A		03/22/2013 21:21	1	P1000016.D	CLP-1 0.53 (mm)
MB 240-78626/3-A		03/22/2013 21:21	1	P1000016.D	CLP-2 0.53 (mm)
LCS 240-78626/4-A		03/22/2013 21:44	1	P1000017.D	CLP-1 0.53 (mm)
LCS 240-78626/4-A		03/22/2013 21:44	1	P1000017.D	CLP-2 0.53 (mm)
CCV 240-79197/18		03/22/2013 22:08	1	P1000018.D	CLP-1 0.53 (mm)
CCV 240-79197/18		03/22/2013 22:08	1	P1000018.D	CLP-2 0.53 (mm)
CCV 240-79197/19		03/22/2013 22:31	1	P1000019.D	CLP-1 0.53 (mm)
CCV 240-79197/19		03/22/2013 22:31	1	P1000019.D	CLP-2 0.53 (mm)
MRL 240-79197/20		03/22/2013 22:54	1	P1000020.D	CLP-1 0.53 (mm)
MRL 240-79197/20		03/22/2013 22:54	1	P1000020.D	CLP-2 0.53 (mm)

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-21987-1

SDG No.: _____

Batch Number: 78626 Batch Start Date: 03/18/13 10:35 Batch Analyst: Matthews, BrandonBatch Method: 8151A Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	ReceivedpH	InitialAmount	FirstAdjustpH	SecondAdjustpH	FinalAmount	EXHEASPIKEW 00007
240-21987-J-1	079-0007-0001-SO URCEWATER	8151A, 8151/DOD	T	7 SU	500 mL	12	2	100 mL	
MB 240-78626/3		8151A, 8151/DOD		7 SU	500 mL	12	2	100 mL	
LCS 240-78626/4		8151A, 8151/DOD		7 SU	500 mL	12	2	100 mL	1 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	EXHERBSURR 00012					
240-21987-J-1	079-0007-0001-SO URCEWATER	8151A, 8151/DOD	T	1 mL					
MB 240-78626/3		8151A, 8151/DOD		1 mL					
LCS 240-78626/4		8151A, 8151/DOD		1 mL					

Batch Notes	
1:1 Sulfuric + Water Lot	711898
Diethyl Ether Lot #	693500
Hexane Lot#	804964
MeCl2 Lot #	883372
Na2SO4, Acidified Lot #	677451
NaCL Lot #	294619
NaOH Lot #	711885
Silica Gel Lot Number	001550
TMSDM Lot #	347067

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.

8151/DOD

Page 1 of 1

Method 8330

Nitroguanidine

Nitroguanidine (HPLC) by Method 8330

FORM III
HPLC/IC LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: 320-0003395-014-1.d
Lab ID: LCS 320-12568/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Nitroguanidine	250	250	100	73-117	

Column to be used to flag recovery and RPD values

FORM III 8330 Modified

FORM III
HPLC/IC MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: 320-0003395-016-1.d
Lab ID: 240-21987-1 MS Client ID: 079-0007-0001-SOURCEWATER MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Nitroguanidine	250	6.0 J	268	105	73-117	

Column to be used to flag recovery and RPD values

FORM III 8330 Modified

FORM III
HPLC/IC MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: 320-0003395-017-1.d
Lab ID: 240-21987-1 MSD Client ID: 079-0007-0001-SOURCEWATER MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Nitroguanidine	250	263	103	2	15	73-117	

Column to be used to flag recovery and RPD values

FORM III 8330 Modified

FORM IV
HPLC/IC METHOD BLANK SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1
SDG No.: _____
Lab File ID: 320-0003395-013-1.d Lab Sample ID: MB 320-12568/1-A
Matrix: Water Date Extracted: 03/19/2013 14:18
Instrument ID: PDA1 Date Analyzed: 03/21/2013 13:01
Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 320-12568/2-A	320-0003395 -014-1.d	03/21/2013 13:16
079-0007-0001-SOURCEWATER	240-21987-1	320-0003395 -015-1.d	03/21/2013 13:31
079-0007-0001-SOURCEWATER MS	240-21987-1 MS	320-0003395 -016-1.d	03/21/2013 13:45
079-0007-0001-SOURCEWATER MSD	240-21987-1 MSD	320-0003395 -017-1.d	03/21/2013 14:00

FORM IV
HPLC/IC METHOD BLANK SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1
SDG No.: _____
Lab File ID: 320-0003448-006-1.d Lab Sample ID: MB 320-12568/1-A
Matrix: Water Date Extracted: 03/19/2013 14:18
Instrument ID: PDA1 Date Analyzed: 03/22/2013 15:32
Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
079-0007-0001-SOURCEWATER	240-21987-1	320-0003448 -007-1.d	03/22/2013 15:53

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1
SDG No.: _____
Client Sample ID: 079-0007-0001-SOURCEWATER Lab Sample ID: 240-21987-1
Matrix: Water Lab File ID: 320-0003395-015-1.d
Analysis Method: 8330 Modified Date Collected: 03/14/2013 12:00
Extraction Method: Filtration Date Extracted: 03/19/2013 14:18
Sample wt/vol: 10 (mL) Date Analyzed: 03/21/2013 13:31
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 50 (uL) GC Column: Luna NH2 ID: 4.6 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 12714 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
556-88-7	Nitroguanidine	6.0	J	20	6.0	2.4

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20130321-3395.b\320-0003395-015-1.d
Lims ID: 240-21987-Q-1-B Client ID: 079-0007-0001-SOURCEWATER
Inject. Date: 21-Mar-2013 13:31:00 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 320-0003395-008 Analysis
Misc. Info.: none LCS 320-4385/2-A
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 12714 Lims Sample ID: 15
Detector: GC 320-0003395-015-1
Method: \\SACChrom\ChromData\PDA1\20130321-3395.b\NGu Primary.m
Last Update: 21-Mar-2013 13:54:36 Calib Date: 14-Feb-2013 12:56:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20130214-2806.b\320-0002806-011-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK014

First Level Reviewer: noonanr

Date: 21-Mar-2013 13:54:14

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

1 Nitroguanidine
4.267 4.273 -0.006 287 5.99

Report Date: 21-Mar-2013 13:54:36

Chrom Revision: 2.1 18-Mar-2013 20:34:14

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\PDA1\20130321-3395.b\320-0003395-015-1.d

Injection Date: 21-Mar-2013 13:31:00 Limit Group: LC 8330 Ngu ICAL

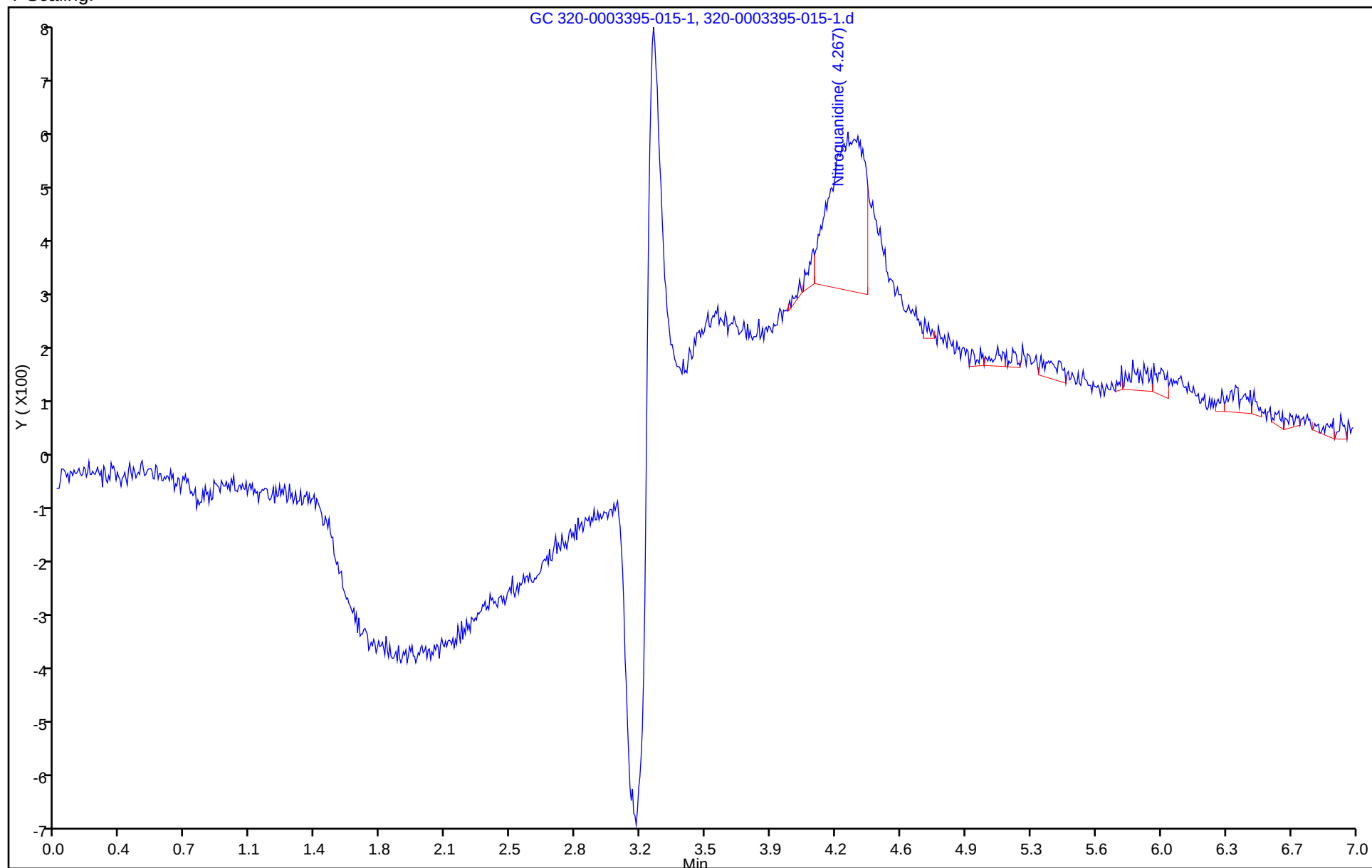
Client ID: 079-0007-0001-SOURCEWATER Instrument ID: PDA1

Lims Batch ID: 12714 Lims Sample ID: 15

Operator ID: RN Injection Vol: 50.0 ul

Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm

Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1
SDG No.: _____
Client Sample ID: 079-0007-0001-SOURCEWATER Lab Sample ID: 240-21987-1
Matrix: Water Lab File ID: 320-0003448-007-1.d
Analysis Method: 8330 Modified Date Collected: 03/14/2013 12:00
Extraction Method: Filtration Date Extracted: 03/19/2013 14:18
Sample wt/vol: 10 (mL) Date Analyzed: 03/22/2013 15:53
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 50 (uL) GC Column: _____ ID: _____
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 12878 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
556-88-7	Nitroguanidine	6.0	U	20	6.0	2.4

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20130322-3448.b\320-0003448-007-1.d
Lims ID: 240-21987-Q-1-B Client ID: 079-0007-0001-SOURCEWATER
Inject. Date: 22-Mar-2013 15:53:00 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 320-0003448-007 Analysis
Misc. Info.: none LCS 320-4385/2-A
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 12878 Lims Sample ID: 7
Detector: GC 320-0003448-007-1

Method: \\SACChrom\ChromData\PDA1\20130322-3448.b\NQ CONFIRMATION.m
Last Update: 26-Mar-2013 06:20:03 Calib Date: 19-Oct-2012 17:37:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL7_00003001-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Synergi 4u Hydro-RP80A Column Dia: 4.00 mm
Process Host: XAWRK036

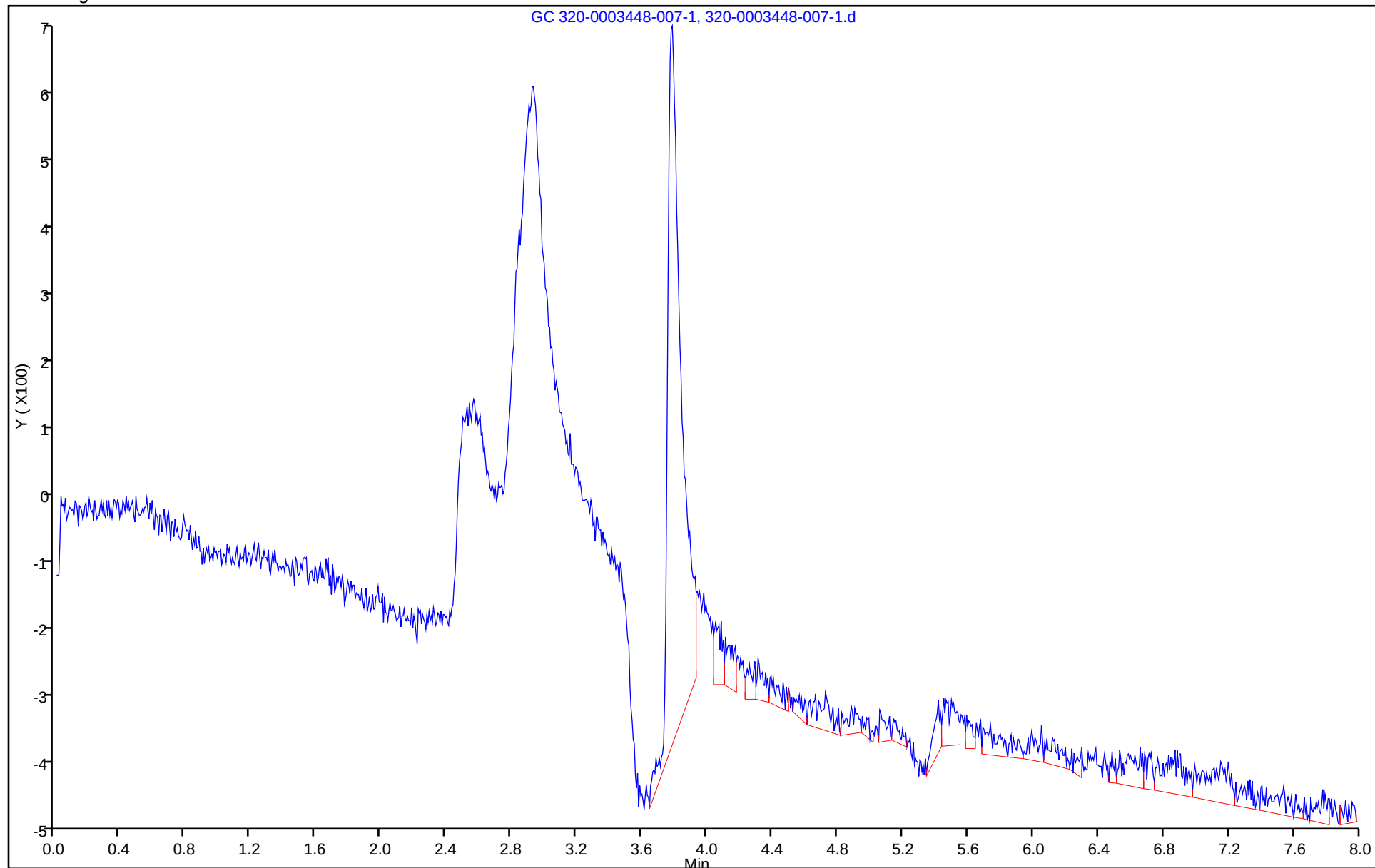
First Level Reviewer: shafern

Date: 26-Mar-2013 06:19:08

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

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\PDA1\20130322-3448.b\320-0003448-007-1.d
Injection Date: 22-Mar-2013 15:53:00 Limit Group: LC 8330 Ngu ICAL
Client ID: 079-0007-0001-SOURCEWATER Instrument ID: PDA1
Lims Batch ID: 12878 Lims Sample ID: 7
Operator ID: RN Injection Vol: 50.0 ul
Column Type: Synergi 4u Hydro-RP80A Column Dia: 4.00 mm
Y Scaling:



FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1 Analy Batch No.: 4779

SDG No.: _____

Instrument ID: PDA1 GC Column: Hydro RP80A ID: 4 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/19/2012 15:58 Calibration End Date: 10/19/2012 17:37 Calibration ID: 1497

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD02 320-4779/4	HPNQL2_00003002-1.d
Level 2	STD03 320-4779/5	HPNQL3_00003001-1.d
Level 3	STD04 320-4779/6	HPNQL4_00003001-1.d
Level 4	STD05 320-4779/7	HPNQL5_00003001-1.d
Level 5	STD06 320-4779/8	HPNQL6_00003001-1.d
Level 6	STD07 320-4779/9	HPNQL7_00003001-1.d

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Nitroguanidine	4.513	4.560	4.500	4.527	4.460	4.493					4.250 - 4.750	4.509

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1 Analy Batch No.: 4779

SDG No.: _____

Instrument ID: PDA1 GC Column: Hydro RP80A ID: 4 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/19/2012 15:58 Calibration End Date: 10/19/2012 17:37 Calibration ID: 1497

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD02 320-4779/4	HPNQL2_00003002-1.d
Level 2	STD03 320-4779/5	HPNQL3_00003001-1.d
Level 3	STD04 320-4779/6	HPNQL4_00003001-1.d
Level 4	STD05 320-4779/7	HPNQL5_00003001-1.d
Level 5	STD06 320-4779/8	HPNQL6_00003001-1.d
Level 6	STD07 320-4779/9	HPNQL7_00003001-1.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Nitroguanidine	46.850 44.304	44.500 42.847	43.690	44.160	Ave		44.3918333				3.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1 Analy Batch No.: 4779

SDG No.: _____

Instrument ID: PDA1 GC Column: Hydro RP80A ID: 4 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/19/2012 15:58 Calibration End Date: 10/19/2012 17:37 Calibration ID: 1497

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD02 320-4779/4	HPNQL2_00003002-1.d
Level 2	STD03 320-4779/5	HPNQL3_00003001-1.d
Level 3	STD04 320-4779/6	HPNQL4_00003001-1.d
Level 4	STD05 320-4779/7	HPNQL5_00003001-1.d
Level 5	STD06 320-4779/8	HPNQL6_00003001-1.d
Level 6	STD07 320-4779/9	HPNQL7_00003001-1.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Nitroguanidine	Ave	937 42847	2225	4369	8832	22152	20.0 1000	50.0	100	200	500

Curve Type Legend:

Ave = Average by Height

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL2_00003002-1.d
Lims ID: std02 Client ID:
Inject. Date: 19-Oct-2012 15:58:00 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: HPNQL2_00003 Verification
Misc. Info.: none NQ Std 20 ng/mL
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 4779 Lims Sample ID: 4
Sublist: chrom-NQ CONFIRMATION*sub1
Detector: GC HPNQL2_00003002-1
Method: \\SACChrom\ChromData\PDA1\20121019-1096.b\NQ CONFIRMATION.m
Last Update: 29-Oct-2012 15:11:28 Calib Date: 19-Oct-2012 17:37:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL7_00003001-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Synergi 4u Hydro-RP80A Column Dia: 4.00 mm
Process Host: XAWRK037

First Level Reviewer: noonanr

Date: 29-Oct-2012 12:32:00

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

1 Nitroguanidine
4.513 4.500 0.013 937 21.1

Report Date: 29-Oct-2012 15:11:28

Chrom Revision: 2.1 24-Oct-2012 08:48:06

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL2_00003002-1.d

Injection Date: 19-Oct-2012 15:58:00

Limit Group: LC 8330 Ngu ICAL

Client ID:

Instrument ID: PDA1

Lims Batch ID: 4779

Lims Sample ID: 4

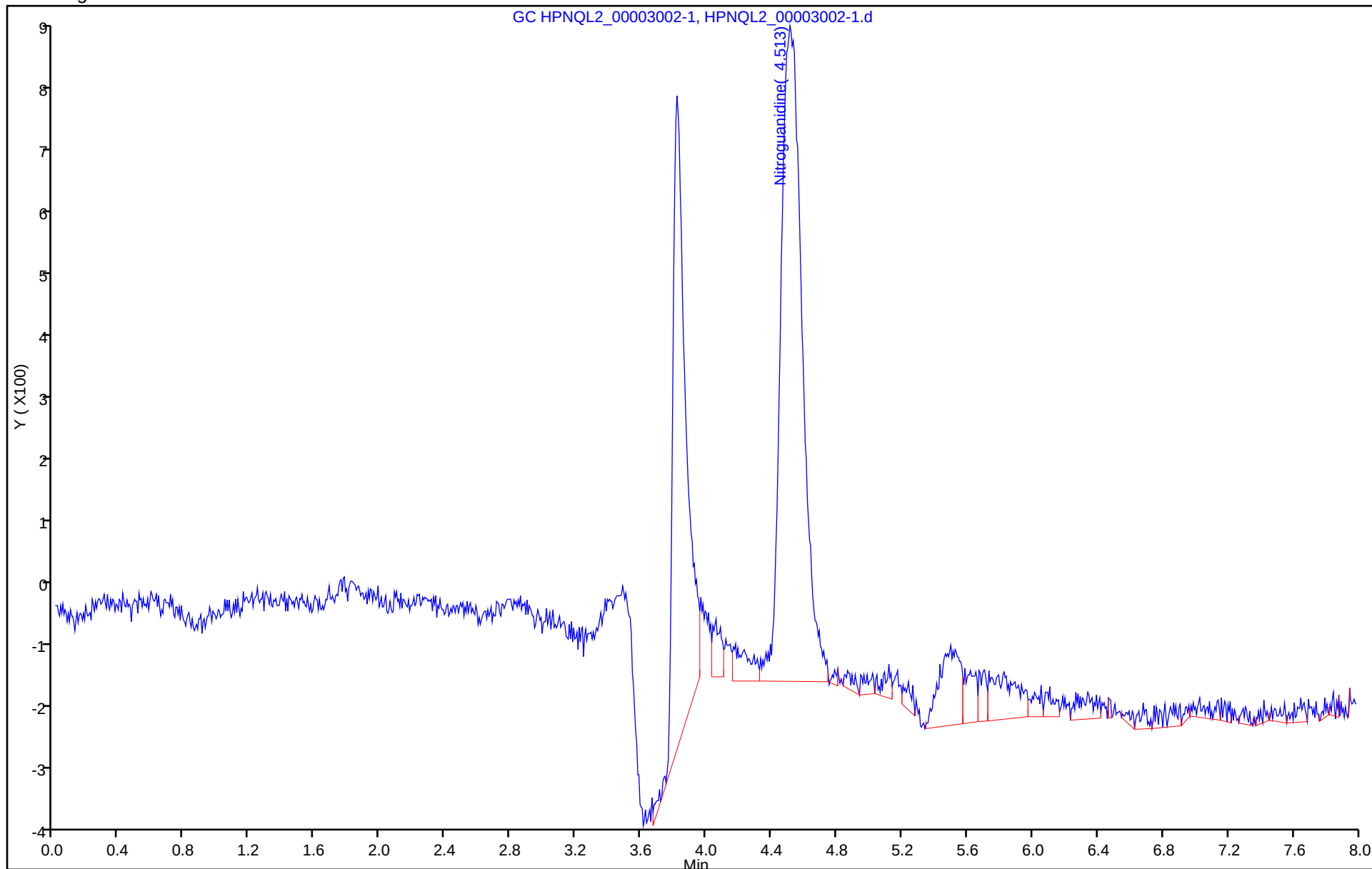
Operator ID: RN

Injection Vol: 50.0 ul

Column Type: Synergi 4u Hydro-RP80A

Column Dia: 4.00 mm

Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL3_00003001-1.d
Lims ID: std03 Client ID:
Inject. Date: 19-Oct-2012 16:18:00 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: HPNQL3_00003 Verification
Misc. Info.: none NQ Std 50 ng/mL
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 4779 Lims Sample ID: 5
Sublist: chrom-NQ CONFIRMATION*sub1
Detector: GC HPNQL3_00003001-1
Method: \\SACChrom\ChromData\PDA1\20121019-1096.b\NQ CONFIRMATION.m
Last Update: 29-Oct-2012 15:11:29 Calib Date: 19-Oct-2012 17:37:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL7_00003001-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Synergi 4u Hydro-RP80A Column Dia: 4.00 mm
Process Host: XAWRK037

First Level Reviewer: noonanr

Date: 29-Oct-2012 12:32:07

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

1 Nitroguanidine
4.560 4.500 0.060 2225 50.1

Report Date: 29-Oct-2012 15:11:29

Chrom Revision: 2.1 24-Oct-2012 08:48:06

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL3_00003001-1.d

Injection Date: 19-Oct-2012 16:18:00 Limit Group: LC 8330 Ngu ICAL

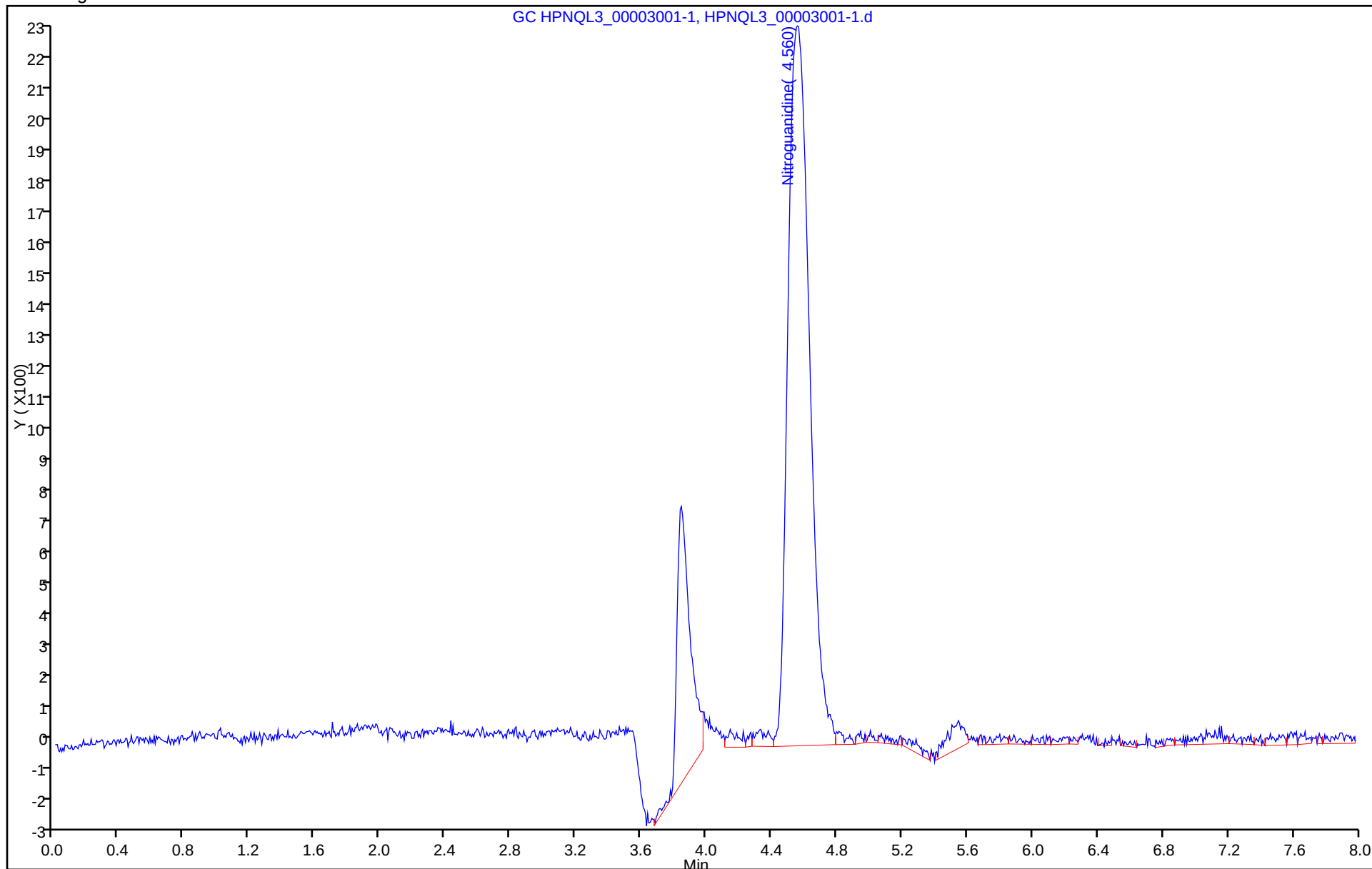
Client ID: Instrument ID: PDA1

Lims Batch ID: 4779 Lims Sample ID: 5

Operator ID: RN Injection Vol: 50.0 ul

Column Type: Synergi 4u Hydro-RP80A Column Dia: 4.00 mm

Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL4_00003001-1.d
Lims ID: std04 Client ID:
Inject. Date: 19-Oct-2012 16:37:00 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: HPNQL4_00003 Verification
Misc. Info.: none NQ Std 100 ng/mL
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 4779 Lims Sample ID: 6
Sublist: chrom-NQ CONFIRMATION*sub1
Detector: GC HPNQL4_00003001-1
Method: \\SACChrom\ChromData\PDA1\20121019-1096.b\NQ CONFIRMATION.m
Last Update: 29-Oct-2012 15:11:29 Calib Date: 19-Oct-2012 17:37:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL7_00003001-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Synergi 4u Hydro-RP80A Column Dia: 4.00 mm
Process Host: XAWRK037

First Level Reviewer: noonanr

Date: 29-Oct-2012 12:32:13

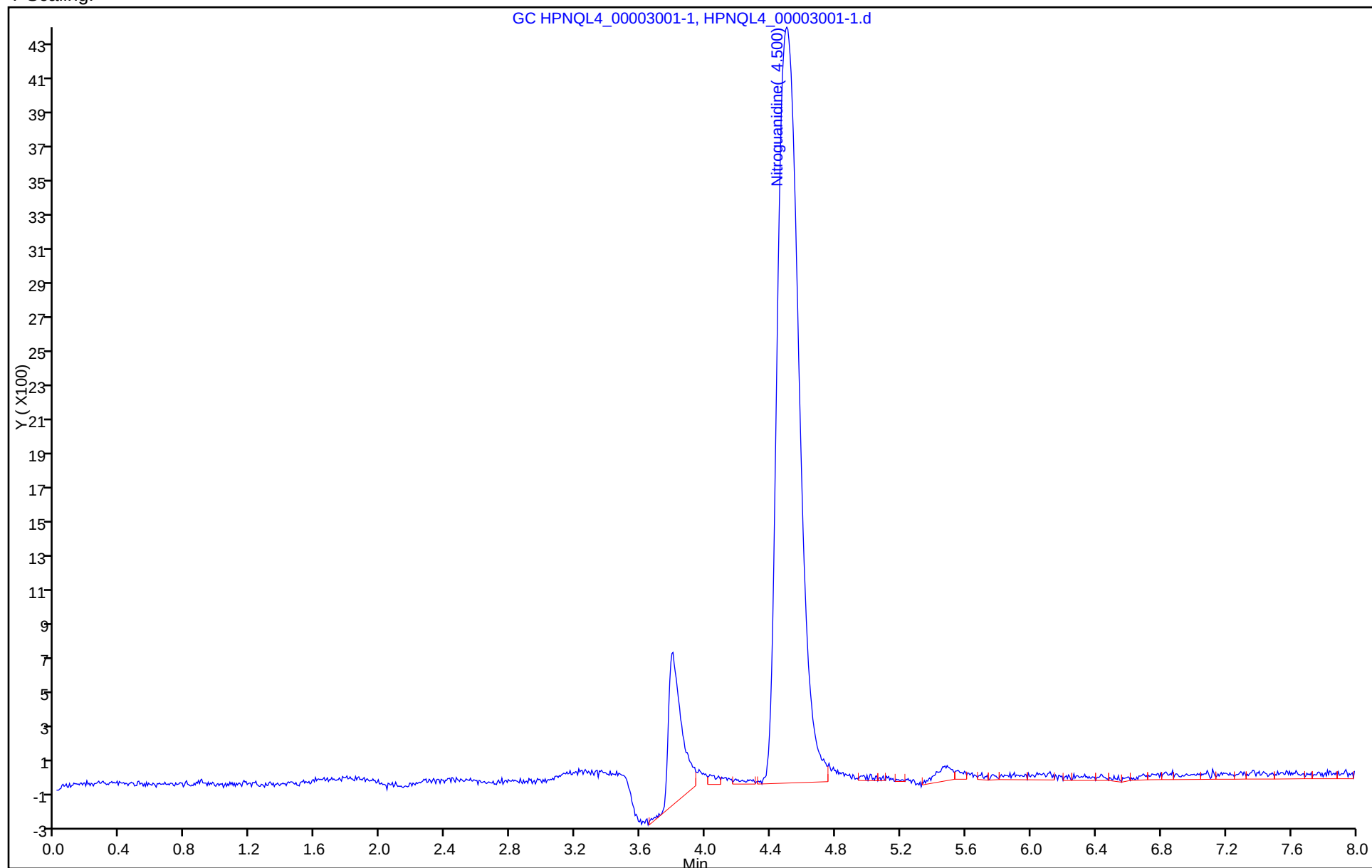
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

1 Nitroguanidine
4.500 4.500 0.0 4369 98.4

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL4_00003001-1.d
Injection Date: 19-Oct-2012 16:37:00 Limit Group: LC 8330 Ngu ICAL
Client ID: Instrument ID: PDA1
Lims Batch ID: 4779 Lims Sample ID: 6
Operator ID: RN Injection Vol: 50.0 ul
Column Type: Synergi 4u Hydro-RP80A Column Dia: 4.00 mm

Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL5_00003001-1.d
Lims ID: std05 Client ID:
Inject. Date: 19-Oct-2012 16:57:00 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: HPNQL5_00003 Verification
Misc. Info.: none NQ Std 200 ng/mL
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 4779 Lims Sample ID: 7
Sublist: chrom-NQ CONFIRMATION*sub1
Detector: GC HPNQL5_00003001-1
Method: \\SACChrom\ChromData\PDA1\20121019-1096.b\NQ CONFIRMATION.m
Last Update: 29-Oct-2012 15:11:29 Calib Date: 19-Oct-2012 17:37:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL7_00003001-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Synergi 4u Hydro-RP80A Column Dia: 4.00 mm
Process Host: XAWRK037

First Level Reviewer: noonanr

Date: 29-Oct-2012 12:32:18

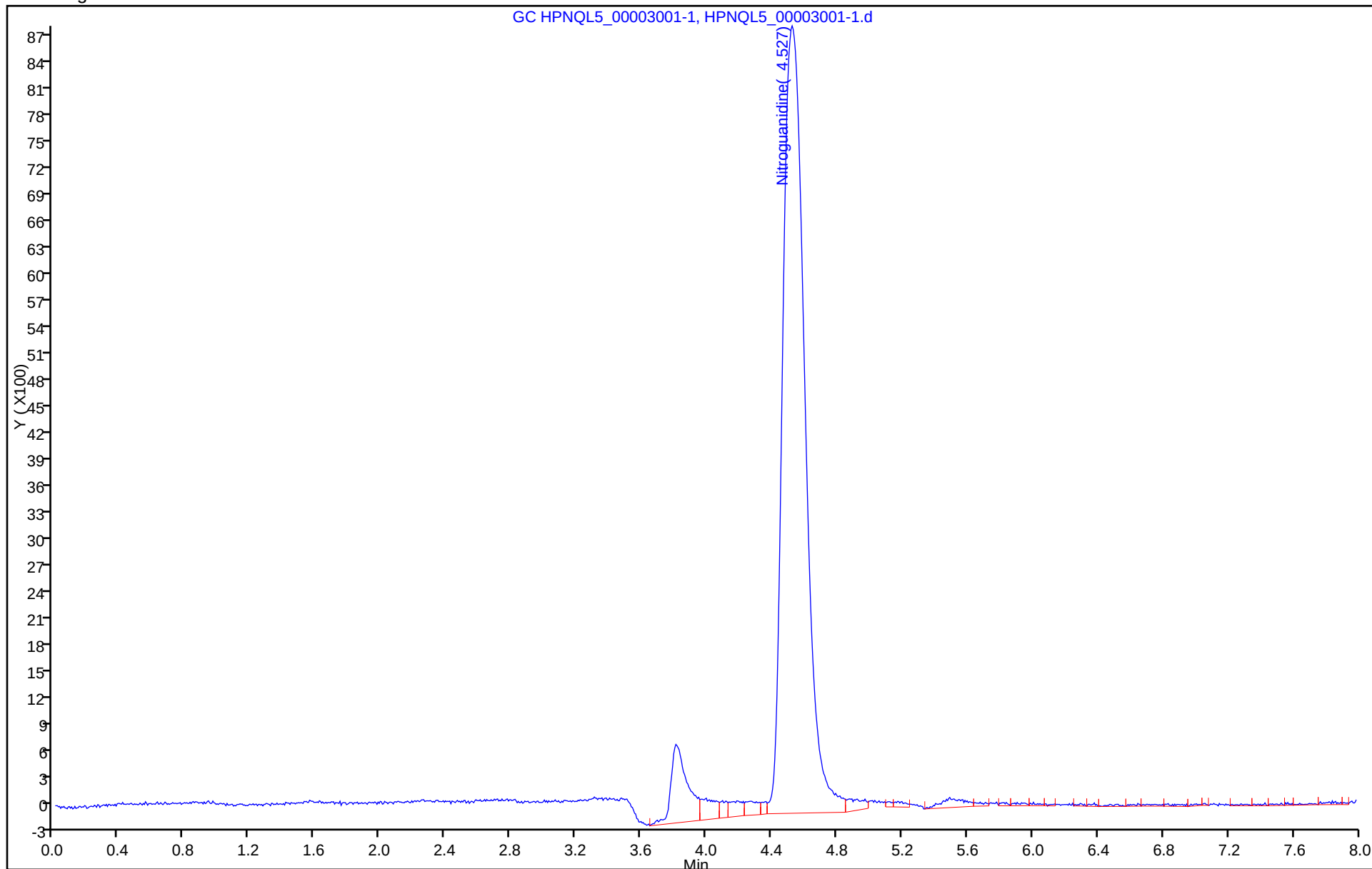
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

1 Nitroguanidine
4.527 4.527 0.0 8832 199.0

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL5_00003001-1.d
Injection Date: 19-Oct-2012 16:57:00 Limit Group: LC 8330 Ngu ICAL
Client ID: Instrument ID: PDA1
Lims Batch ID: 4779 Lims Sample ID: 7
Operator ID: RN Injection Vol: 50.0 ul
Column Type: Synergi 4u Hydro-RP80A Column Dia: 4.00 mm

Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL6_00003001-1.d
Lims ID: std06 Client ID:
Inject. Date: 19-Oct-2012 17:17:00 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: HPNQL6_00003 Verification
Misc. Info.: none NQ Std 500 ng/mL
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 4779 Lims Sample ID: 8
Sublist: chrom-NQ CONFIRMATION*sub1
Detector: GC HPNQL6_00003001-1
Method: \\SACChrom\ChromData\PDA1\20121019-1096.b\NQ CONFIRMATION.m
Last Update: 29-Oct-2012 15:12:28 Calib Date: 19-Oct-2012 17:37:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL7_00003001-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Synergi 4u Hydro-RP80A Column Dia: 4.00 mm
Process Host: XAWRK037

First Level Reviewer: noonanr

Date: 29-Oct-2012 12:32:24

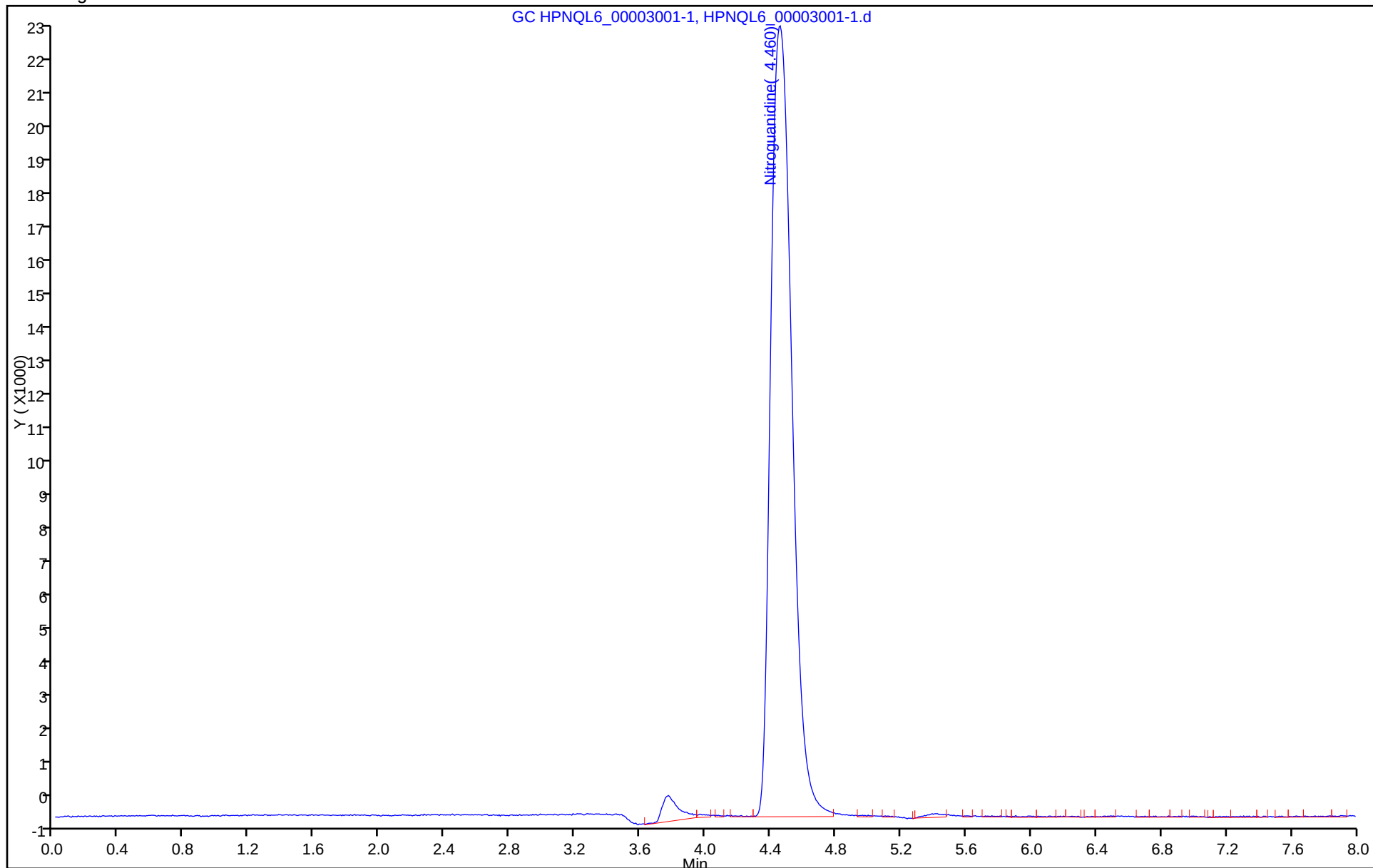
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

1 Nitroguanidine
4.460 4.500 -0.040 22152 499.0

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL6_00003001-1.d
Injection Date: 19-Oct-2012 17:17:00 Limit Group: LC 8330 Ngu ICAL
Client ID: Instrument ID: PDA1
Lims Batch ID: 4779 Lims Sample ID: 8
Operator ID: RN Injection Vol: 50.0 ul
Column Type: Synergi 4u Hydro-RP80A Column Dia: 4.00 mm

Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL7_00003001-1.d
Lims ID: std07 Client ID:
Inject. Date: 19-Oct-2012 17:37:00 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 7
Sample ID: HPNQL7_00003 Verification
Misc. Info.: none NQ Std 1000 ng/mL
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 4779 Lims Sample ID: 9
Sublist: chrom-NQ CONFIRMATION*sub1
Detector: GC HPNQL7_00003001-1
Method: \\SACChrom\ChromData\PDA1\20121019-1096.b\NQ CONFIRMATION.m
Last Update: 29-Oct-2012 15:11:30 Calib Date: 19-Oct-2012 17:37:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL7_00003001-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Synergi 4u Hydro-RP80A Column Dia: 4.00 mm
Process Host: XAWRK037

First Level Reviewer: noonanr

Date: 29-Oct-2012 12:32:30

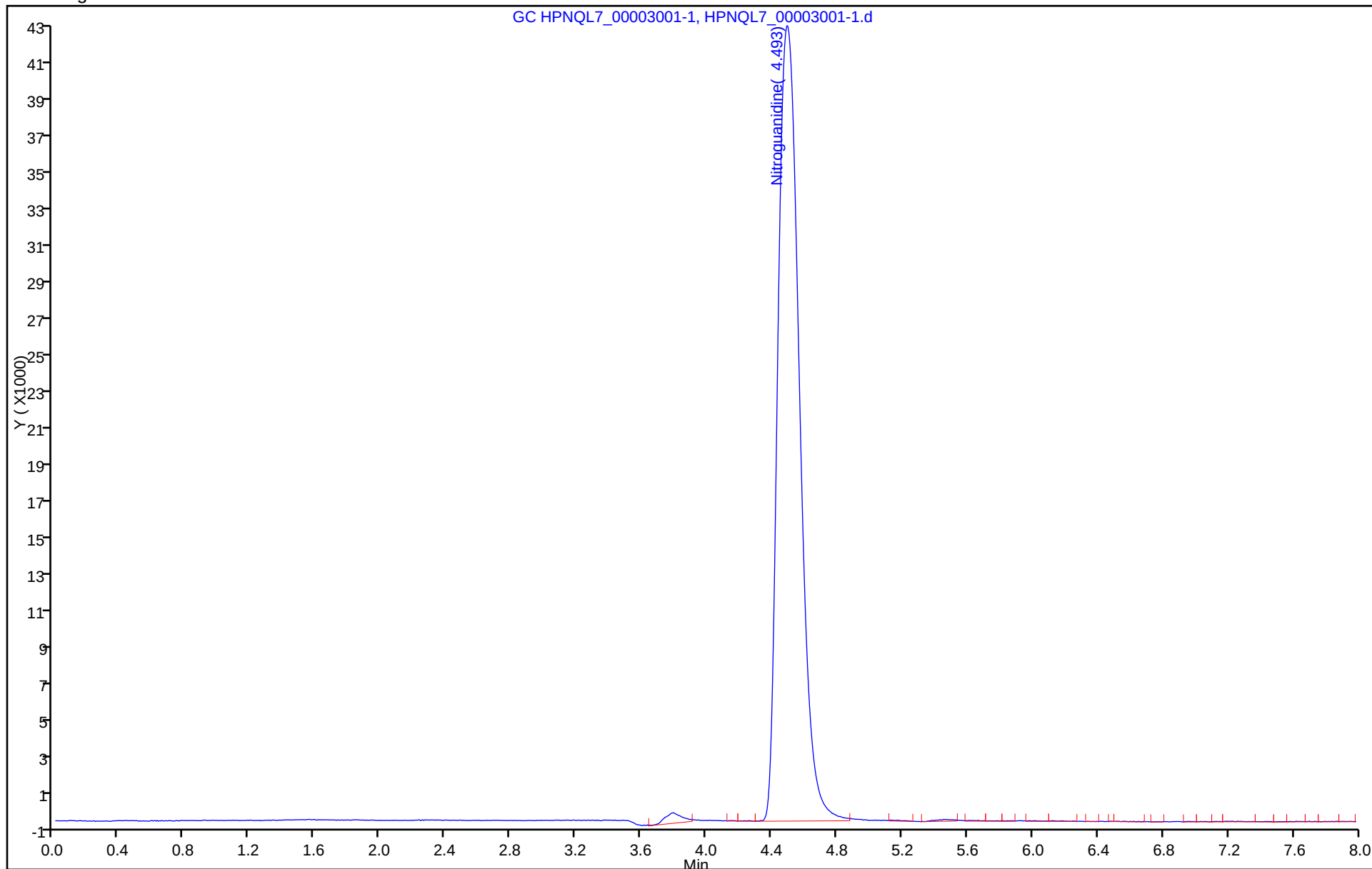
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

1 Nitroguanidine
4.493 4.527 -0.034 42847 965.2

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL7_00003001-1.d
Injection Date: 19-Oct-2012 17:37:00 Limit Group: LC 8330 Ngu ICAL
Client ID: Instrument ID: PDA1
Lims Batch ID: 4779 Lims Sample ID: 9
Operator ID: RN Injection Vol: 50.0 ul
Column Type: Synergi 4u Hydro-RP80A Column Dia: 4.00 mm

Y Scaling:



FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1 Analy Batch No.: 10482

SDG No.: _____

Instrument ID: PDA1 GC Column: Luna NH2 ID: 4.6 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/14/2013 11:44 Calibration End Date: 02/14/2013 12:56 Calibration ID: 2132

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD02 320-10482/6	320-0002806-006-1.d
Level 2	STD03 320-10482/7	320-0002806-007-1.d
Level 3	STD04 320-10482/8	320-0002806-008-1.d
Level 4	STD05 320-10482/9	320-0002806-009-1.d
Level 5	STD06 320-10482/10	320-0002806-010-1.d
Level 6	STD07 320-10482/11	320-0002806-011-1.d

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Nitroguanidine	4.233	4.240	4.220	4.227	4.213	4.273					3.977 - 4.477	4.234

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1 Analy Batch No.: 10482

SDG No.: _____

Instrument ID: PDA1 GC Column: Luna NH2 ID: 4.6 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/14/2013 11:44 Calibration End Date: 02/14/2013 12:56 Calibration ID: 2132

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD02 320-10482/6	320-0002806-006-1.d
Level 2	STD03 320-10482/7	320-0002806-007-1.d
Level 3	STD04 320-10482/8	320-0002806-008-1.d
Level 4	STD05 320-10482/9	320-0002806-009-1.d
Level 5	STD06 320-10482/10	320-0002806-010-1.d
Level 6	STD07 320-10482/11	320-0002806-011-1.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Nitroguanidine	49.300 47.646	47.420 47.151	47.800	47.940	Ave		47.8761667				1.6		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1 Analy Batch No.: 10482

SDG No.: _____

Instrument ID: PDA1 GC Column: Luna NH2 ID: 4.6 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/14/2013 11:44 Calibration End Date: 02/14/2013 12:56 Calibration ID: 2132

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD02 320-10482/6	320-0002806-006-1.d
Level 2	STD03 320-10482/7	320-0002806-007-1.d
Level 3	STD04 320-10482/8	320-0002806-008-1.d
Level 4	STD05 320-10482/9	320-0002806-009-1.d
Level 5	STD06 320-10482/10	320-0002806-010-1.d
Level 6	STD07 320-10482/11	320-0002806-011-1.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Nitroguanidine	Ave	986 47151	2371	4780	9588	23823	20.0 1000	50.0	100	200	500

Curve Type Legend:

Ave = Average by Height

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20130214-2806.b\320-0002806-006-1.d
Lims ID: std02 Client ID:
Inject. Date: 14-Feb-2013 11:44:00 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 320-0002806-006 Analysis
Misc. Info.: none PRIMER
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 10482 Lims Sample ID: 6
Sublist: chrom-NGu Primary*sub1
Detector: GC 320-0002806-006-1
Method: \\SACChrom\ChromData\PDA1\20130214-2806.b\NGu Primary.m
Last Update: 14-Feb-2013 13:59:51 Calib Date: 14-Feb-2013 12:56:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20130214-2806.b\320-0002806-011-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK023

First Level Reviewer: noonanr

Date: 14-Feb-2013 13:19:24

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

1 Nitroguanidine
4.233 4.227 0.006 986 20.6

Report Date: 14-Feb-2013 13:59:51

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

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\PDA1\20130214-2806.b\320-0002806-006-1.d

Injection Date: 14-Feb-2013 11:44:00

Limit Group: LC 8330 Ngu ICAL

Client ID:

Instrument ID: PDA1

Lims Batch ID: 10482

Lims Sample ID: 6

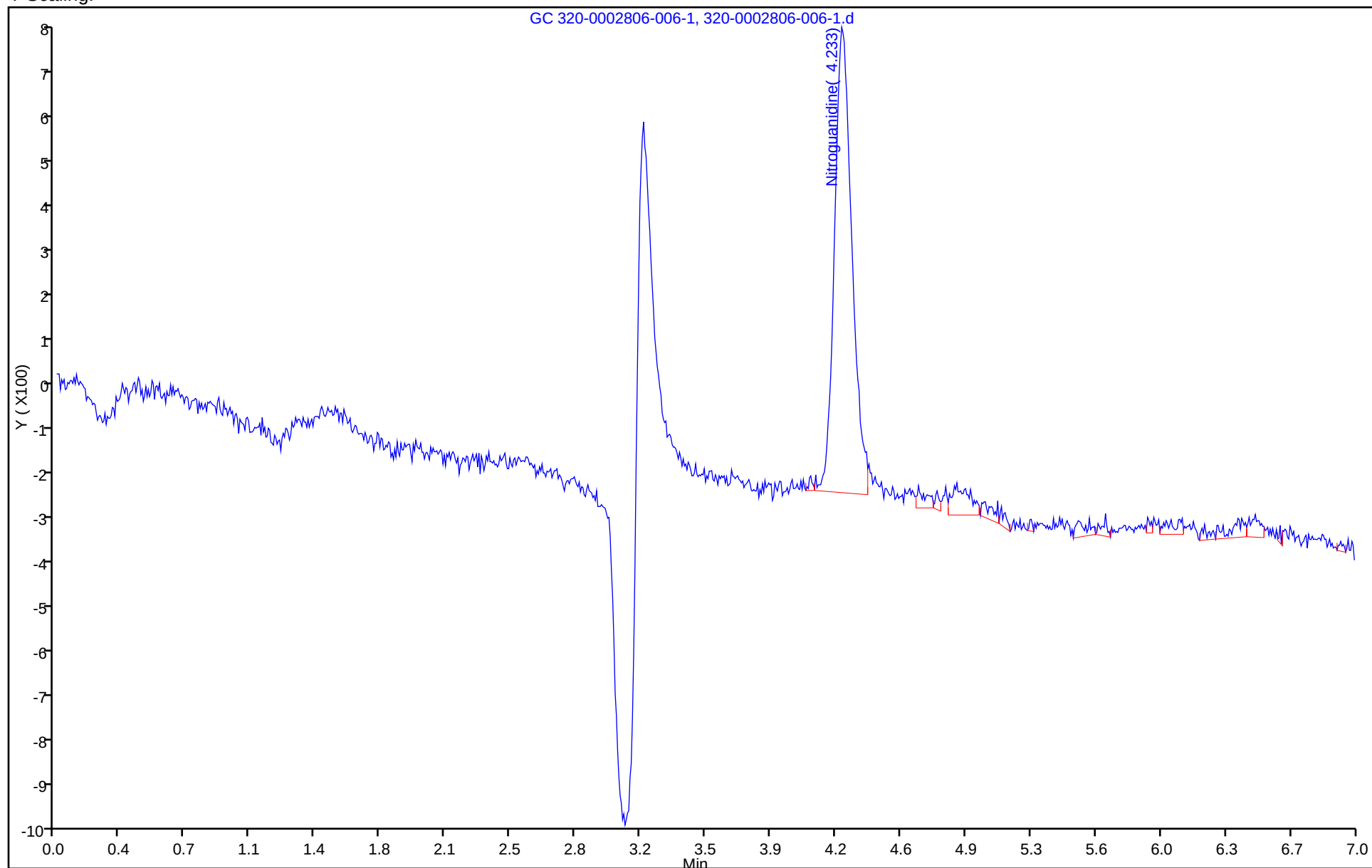
Operator ID: RN

Injection Vol: 50.0 ul

Column Type: Luna 5u NH2 100A

Column Dia: 4.60 mm

Y Scaling:



TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20130214-2806.b\320-0002806-007-1.d
Lims ID: std03 Client ID:
Inject. Date: 14-Feb-2013 11:58:00 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: 320-0002806-007 Analysis
Misc. Info.: none PRIMER
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 10482 Lims Sample ID: 7
Sublist: chrom-NGu Primary*sub1
Detector: GC 320-0002806-007-1
Method: \\SACChrom\ChromData\PDA1\20130214-2806.b\NGu Primary.m
Last Update: 14-Feb-2013 13:59:52 Calib Date: 14-Feb-2013 12:56:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20130214-2806.b\320-0002806-011-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK023

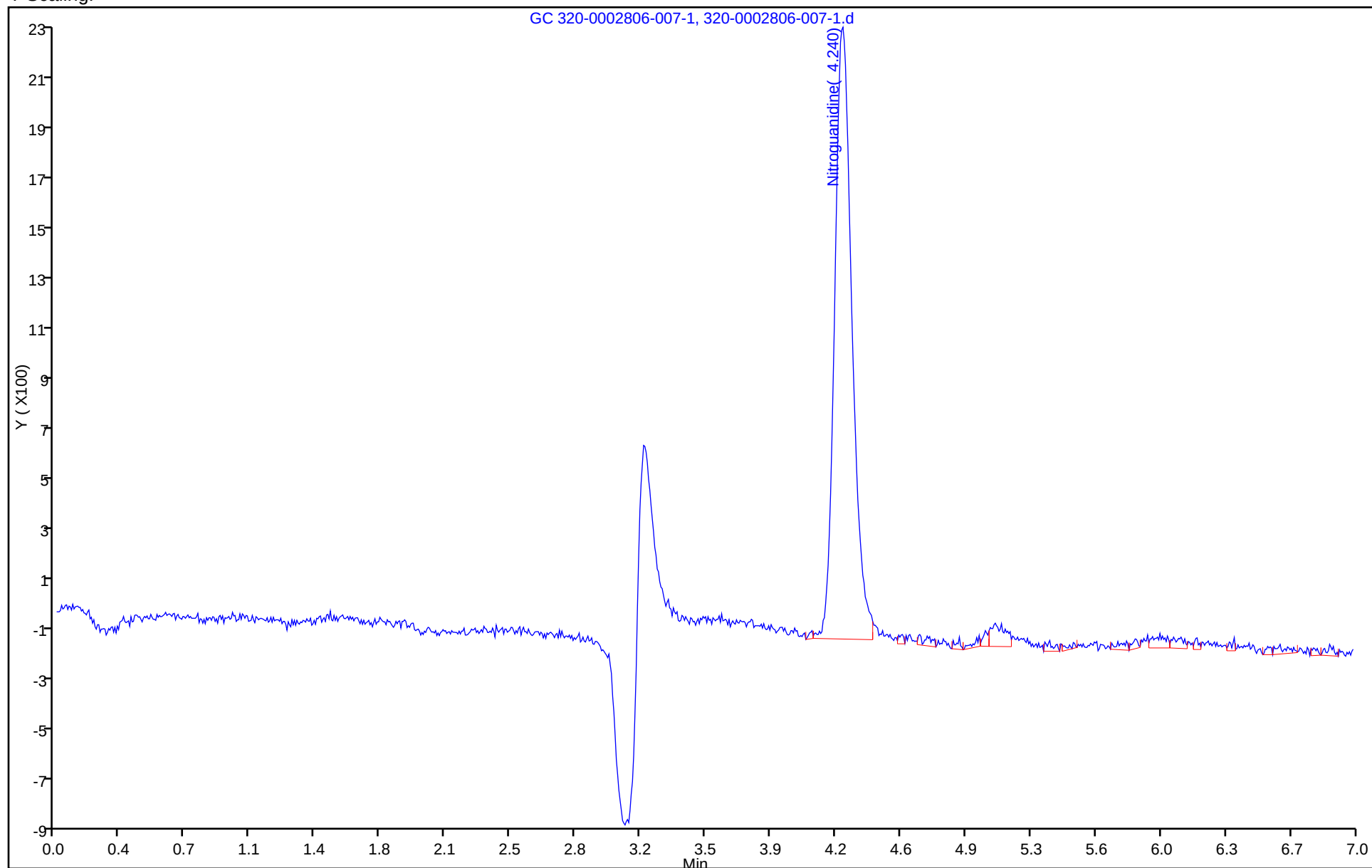
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

1 Nitroguanidine
4.240 4.227 0.013 2371 49.5

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\PDA1\20130214-2806.b\320-0002806-007-1.d
Injection Date: 14-Feb-2013 11:58:00 Limit Group: LC 8330 Ngu ICAL
Client ID: Instrument ID: PDA1
Lims Batch ID: 10482 Lims Sample ID: 7
Operator ID: RN Injection Vol: 50.0 ul
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm

Y Scaling:



TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20130214-2806.b\320-0002806-008-1.d
Lims ID: std04 Client ID:
Inject. Date: 14-Feb-2013 12:13:00 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 320-0002806-008 Analysis
Misc. Info.: none PRIMER
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 10482 Lims Sample ID: 8
Sublist: chrom-NGu Primary*sub1
Detector: GC 320-0002806-008-1
Method: \\SACChrom\ChromData\PDA1\20130214-2806.b\NGu Primary.m
Last Update: 14-Feb-2013 13:59:52 Calib Date: 14-Feb-2013 12:56:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20130214-2806.b\320-0002806-011-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK023

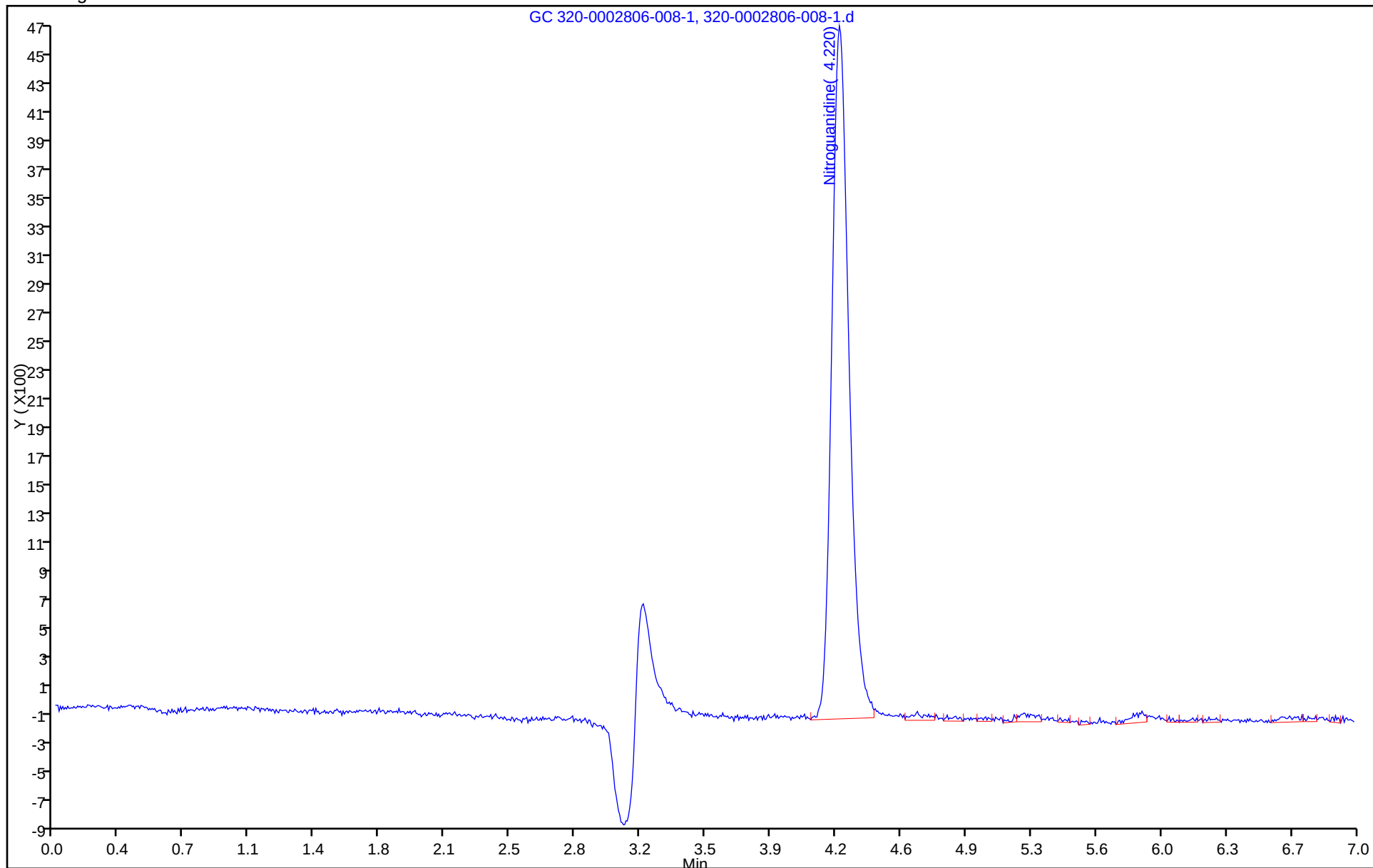
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

1 Nitroguanidine
4.220 4.227 -0.007 4780 99.8

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\PDA1\20130214-2806.b\320-0002806-008-1.d
Injection Date: 14-Feb-2013 12:13:00 Limit Group: LC 8330 Ngu ICAL
Client ID: Instrument ID: PDA1
Lims Batch ID: 10482 Lims Sample ID: 8
Operator ID: RN Injection Vol: 50.0 ul
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm

Y Scaling:



TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20130214-2806.b\320-0002806-009-1.d
Lims ID: std05 Client ID:
Inject. Date: 14-Feb-2013 12:27:00 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 320-0002806-009 Analysis
Misc. Info.: none PRIMER
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 10482 Lims Sample ID: 9
Sublist: chrom-NGu Primary*sub1
Detector: GC 320-0002806-009-1
Method: \\SACChrom\ChromData\PDA1\20130214-2806.b\NGu Primary.m
Last Update: 14-Feb-2013 13:59:52 Calib Date: 14-Feb-2013 12:56:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20130214-2806.b\320-0002806-011-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK023

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

1 Nitroguanidine
4.227 4.227 0.0 9588 200.3

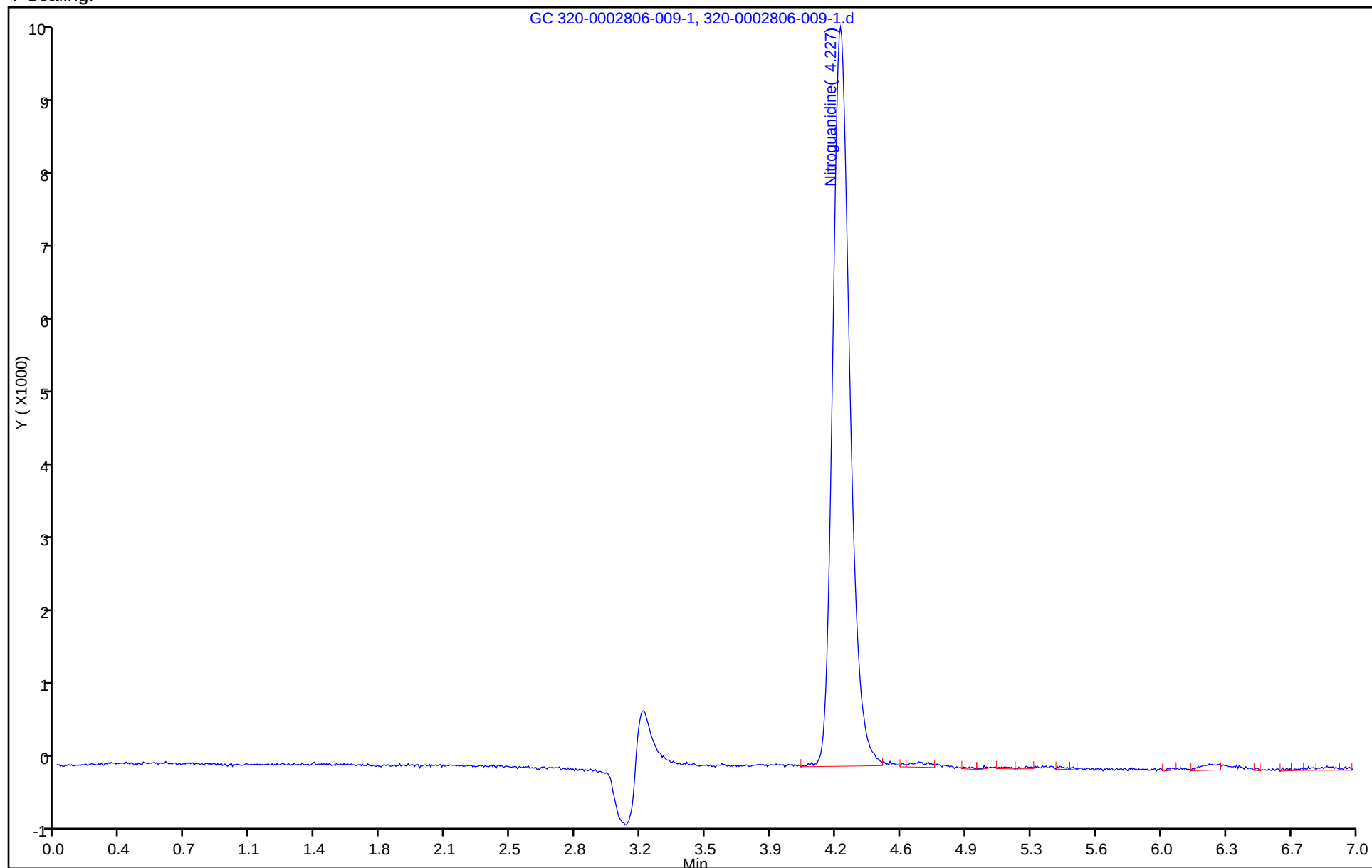
Report Date: 14-Feb-2013 13:59:52

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

TestAmerica Sacramento

Data File:	\\SACChrom\ChromData\PDA1\20130214-2806.b\320-0002806-009-1.d		
Injection Date:	14-Feb-2013 12:27:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	10482	Lims Sample ID:	9
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20130214-2806.b\320-0002806-010-1.d
Lims ID: std06 Client ID:
Inject. Date: 14-Feb-2013 12:41:00 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: 320-0002806-010 Analysis
Misc. Info.: none STD05
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 10482 Lims Sample ID: 10
Sublist: chrom-NGu Primary*sub1
Detector: GC 320-0002806-010-1
Method: \\SACChrom\ChromData\PDA1\20130214-2806.b\NGu Primary.m
Last Update: 14-Feb-2013 13:59:53 Calib Date: 14-Feb-2013 12:56:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20130214-2806.b\320-0002806-011-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK023

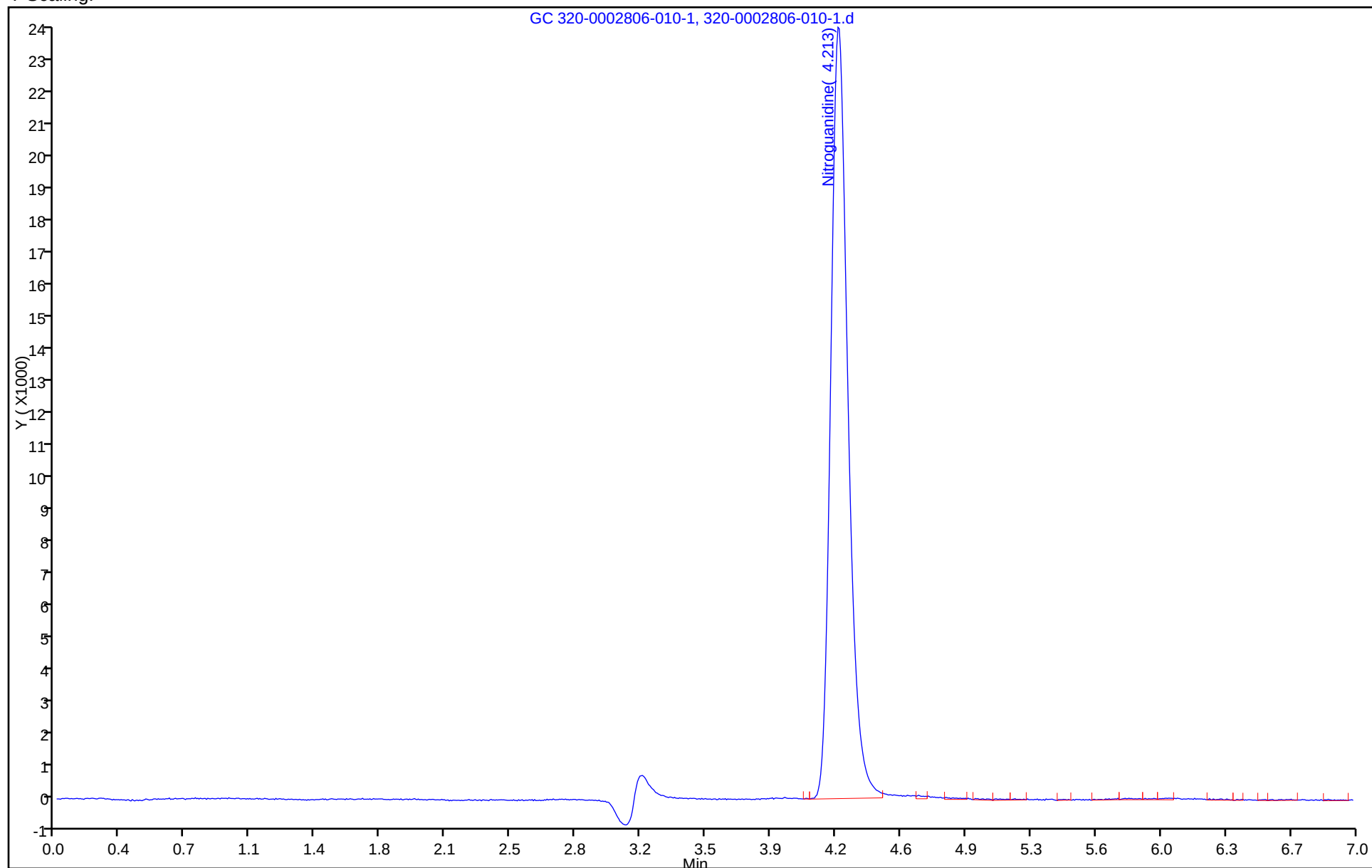
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

1 Nitroguanidine
4.213 4.227 -0.014 23823 497.6

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\PDA1\20130214-2806.b\320-0002806-010-1.d
Injection Date: 14-Feb-2013 12:41:00 Limit Group: LC 8330 Ngu ICAL
Client ID: Instrument ID: PDA1
Lims Batch ID: 10482 Lims Sample ID: 10
Operator ID: RN Injection Vol: 50.0 ul
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm

Y Scaling:



TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20130214-2806.b\320-0002806-011-1.d
Lims ID: std07 Client ID:
Inject. Date: 14-Feb-2013 12:56:00 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 7
Sample ID: 320-0002806-011 Analysis
Misc. Info.: none STD05
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 10482 Lims Sample ID: 11
Sublist: chrom-NGu Primary*sub1
Detector: GC 320-0002806-011-1
Method: \\SACChrom\ChromData\PDA1\20130214-2806.b\NGu Primary.m
Last Update: 14-Feb-2013 13:59:53 Calib Date: 14-Feb-2013 12:56:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20130214-2806.b\320-0002806-011-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK023

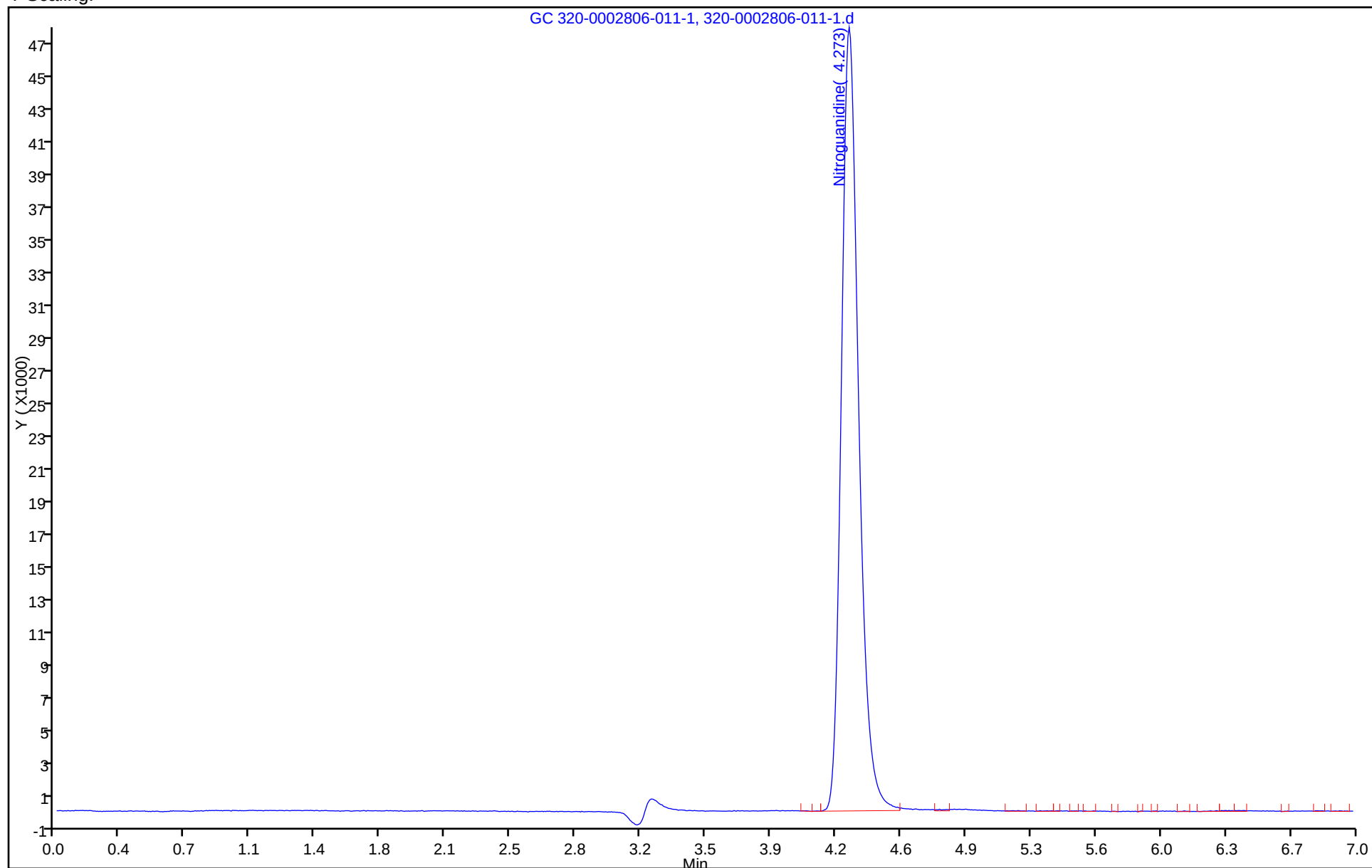
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1 Nitroguanidine
4.273 4.227 0.046 47151 984.9

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\PDA1\20130214-2806.b\320-0002806-011-1.d
Injection Date: 14-Feb-2013 12:56:00 Limit Group: LC 8330 Ngu ICAL
Client ID: Instrument ID: PDA1
Lims Batch ID: 10482 Lims Sample ID: 11
Operator ID: RN Injection Vol: 50.0 ul
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm

Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1
SDG No.: _____
Lab Sample ID: ICV 320-4779/11 Calibration Date: 10/19/2012 18:17
Instrument ID: PDA1 Calib Start Date: 10/19/2012 15:58
GC Column: Hydro RP80A 4 ID: 4.00 (mm) Calib End Date: 10/19/2012 17:37
Lab File ID: HPNQIC_00002;002-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	44.39	42.11		190	200	-5.1	15.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1
SDG No.: _____
Lab Sample ID: ICV 320-4779/11 Calibration Date: 10/19/2012 18:17
Instrument ID: PDA1 Calib Start Date: 10/19/2012 15:58
GC Column: Hydro RP80A 4 ID: 4.00 (mm) Calib End Date: 10/19/2012 17:37
Lab File ID: HPNQIC_00002;002-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.51	4.26	4.76

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQIC_00002;002-1.d
Lims ID: icv Client ID:
Inject. Date: 19-Oct-2012 18:17:00 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: HPNQIC_00002; Analysis
Misc. Info.: none ICV 200ng/mL
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 4779 Lims Sample ID: 11
Sublist:
Detector: GC HPNQIC_00002;002-1
Method: \\SACChrom\ChromData\PDA1\20121019-1096.b\NQ CONFIRMATION.m
Last Update: 29-Oct-2012 15:09:46 Calib Date: 19-Oct-2012 17:37:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL7_00003001-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Synergi 4u Hydro-RP80A Column Dia: 4.00 mm
Process Host: XAWRK037

First Level Reviewer: noonanr

Date: 22-Oct-2012 09:03:15

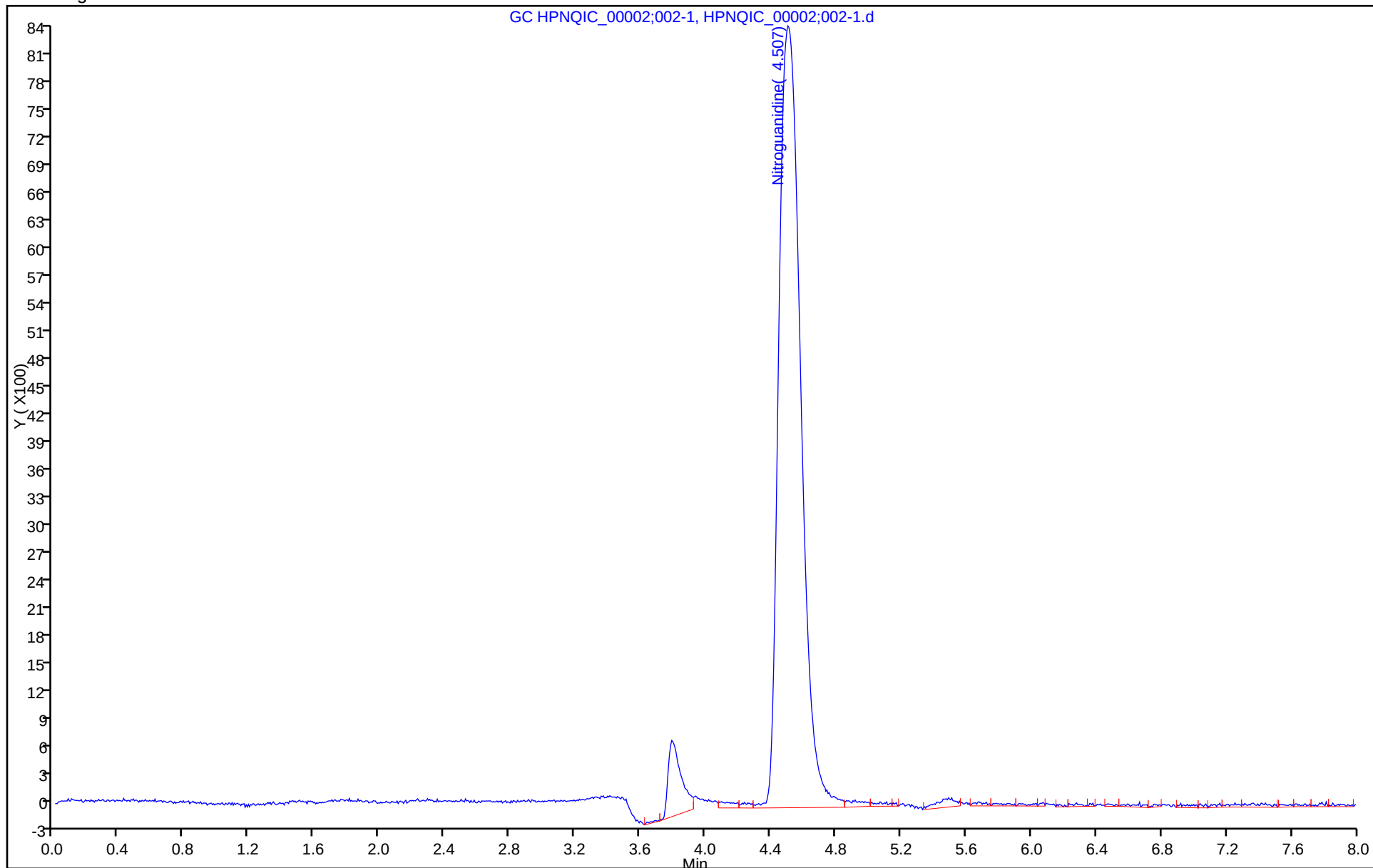
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

1 Nitroguanidine
4.507 4.507 0.0 8422 189.7

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQIC_00002;002-1.d
Injection Date: 19-Oct-2012 18:17:00 Limit Group: LC 8330 Ngu ICAL
Client ID: Instrument ID: PDA1
Lims Batch ID: 4779 Lims Sample ID: 11
Operator ID: RN Injection Vol: 50.0 ul
Column Type: Synergi 4u Hydro-RP80A Column Dia: 4.00 mm

Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1
SDG No.: _____
Lab Sample ID: CCVL 320-4779/13 Calibration Date: 10/19/2012 18:56
Instrument ID: PDA1 Calib Start Date: 10/19/2012 15:58
GC Column: Hydro RP80A 4 ID: 4.00 (mm) Calib End Date: 10/19/2012 17:37
Lab File ID: HPNQL2_00003003-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	44.39	46.00		20.7	20.0	3.6	30.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1
SDG No.: _____
Lab Sample ID: CCVL 320-4779/13 Calibration Date: 10/19/2012 18:56
Instrument ID: PDA1 Calib Start Date: 10/19/2012 15:58
GC Column: Hydro RP80A 4 ID: 4.00 (mm) Calib End Date: 10/19/2012 17:37
Lab File ID: HPNQL2_00003003-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.50	4.25	4.75

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL2_00003003-1.d
Lims ID: CCVL Client ID:
Inject. Date: 19-Oct-2012 18:56:00 Dil. Factor: 1.0000
Sample Type: CCVL
Sample ID: HPNQL2_00003 Verification
Misc. Info.: none MRL NQ Std 20 ng/mL
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 4779 Lims Sample ID: 13
Sublist: chrom-NQ CONFIRMATION*sub1
Detector: GC HPNQL2_00003003-1
Method: \\SACChrom\ChromData\PDA1\20121019-1096.b\NQ CONFIRMATION.m
Last Update: 29-Oct-2012 15:09:47 Calib Date: 19-Oct-2012 17:37:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL7_00003001-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Synergi 4u Hydro-RP80A Column Dia: 4.00 mm
Process Host: XAWRK037

First Level Reviewer: noonanr

Date: 22-Oct-2012 09:03:57

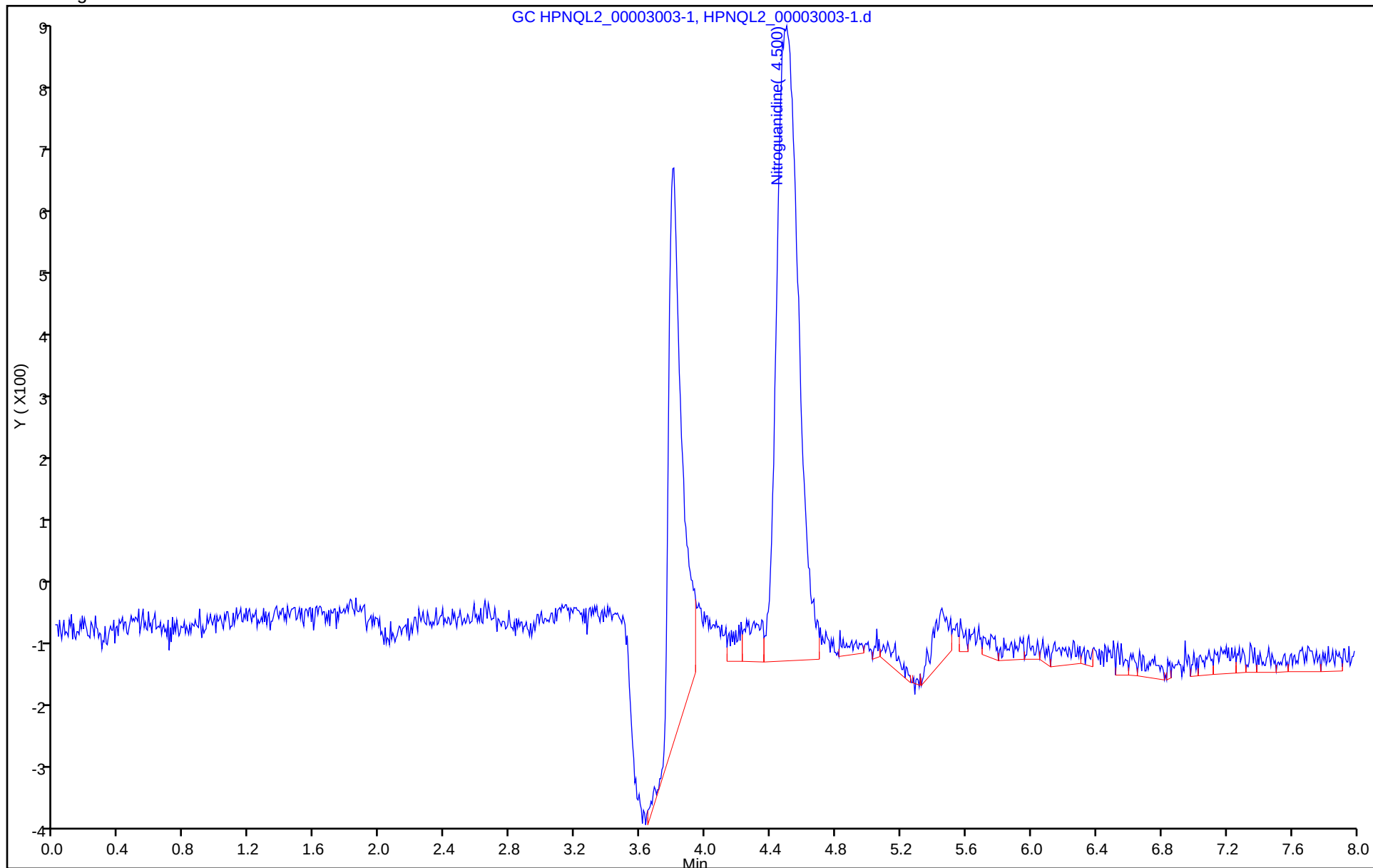
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

1 Nitroguanidine
4.500 4.500 0.0 920 20.7

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL2_00003003-1.d
Injection Date: 19-Oct-2012 18:56:00 Limit Group: LC 8330 Ngu ICAL
Client ID: Instrument ID: PDA1
Lims Batch ID: 4779 Lims Sample ID: 13
Operator ID: RN Injection Vol: 50.0 ul
Column Type: Synergi 4u Hydro-RP80A Column Dia: 4.00 mm

Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1
SDG No.: _____
Lab Sample ID: LODV 320-10482/14 Calibration Date: 02/14/2013 13:39
Instrument ID: PDA1 Calib Start Date: 02/14/2013 11:44
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 02/14/2013 12:56
Lab File ID: 320-0002806-014-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	47.88	49.20		5.14	5.00	2.8	

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1
SDG No.: _____
Lab Sample ID: LODV 320-10482/14 Calibration Date: 02/14/2013 13:39
Instrument ID: PDA1 Calib Start Date: 02/14/2013 11:44
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 02/14/2013 12:56
Lab File ID: 320-0002806-014-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.24	3.98	4.48

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20130214-2806.b\320-0002806-014-1.d
Lims ID: LODV Client ID:
Inject. Date: 14-Feb-2013 13:39:00 Dil. Factor: 1.0000
Sample Type: LODV
Sample ID: 320-0002806-014 Analysis
Misc. Info.: none STD05
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 10482 Lims Sample ID: 14
Detector: GC 320-0002806-014-1
Method: \\SACChrom\ChromData\PDA1\20130214-2806.b\NGu Primary.m
Last Update: 14-Feb-2013 13:59:53 Calib Date: 14-Feb-2013 12:56:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20130214-2806.b\320-0002806-011-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK023

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

1 Nitroguanidine
4.240 4.227 0.013 246 5.14

Report Date: 14-Feb-2013 13:59:54

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

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\PDA1\20130214-2806.b\320-0002806-014-1.d

Injection Date: 14-Feb-2013 13:39:00

Limit Group: LC 8330 Ngu ICAL

Client ID:

Instrument ID: PDA1

Lims Batch ID: 10482

Lims Sample ID: 14

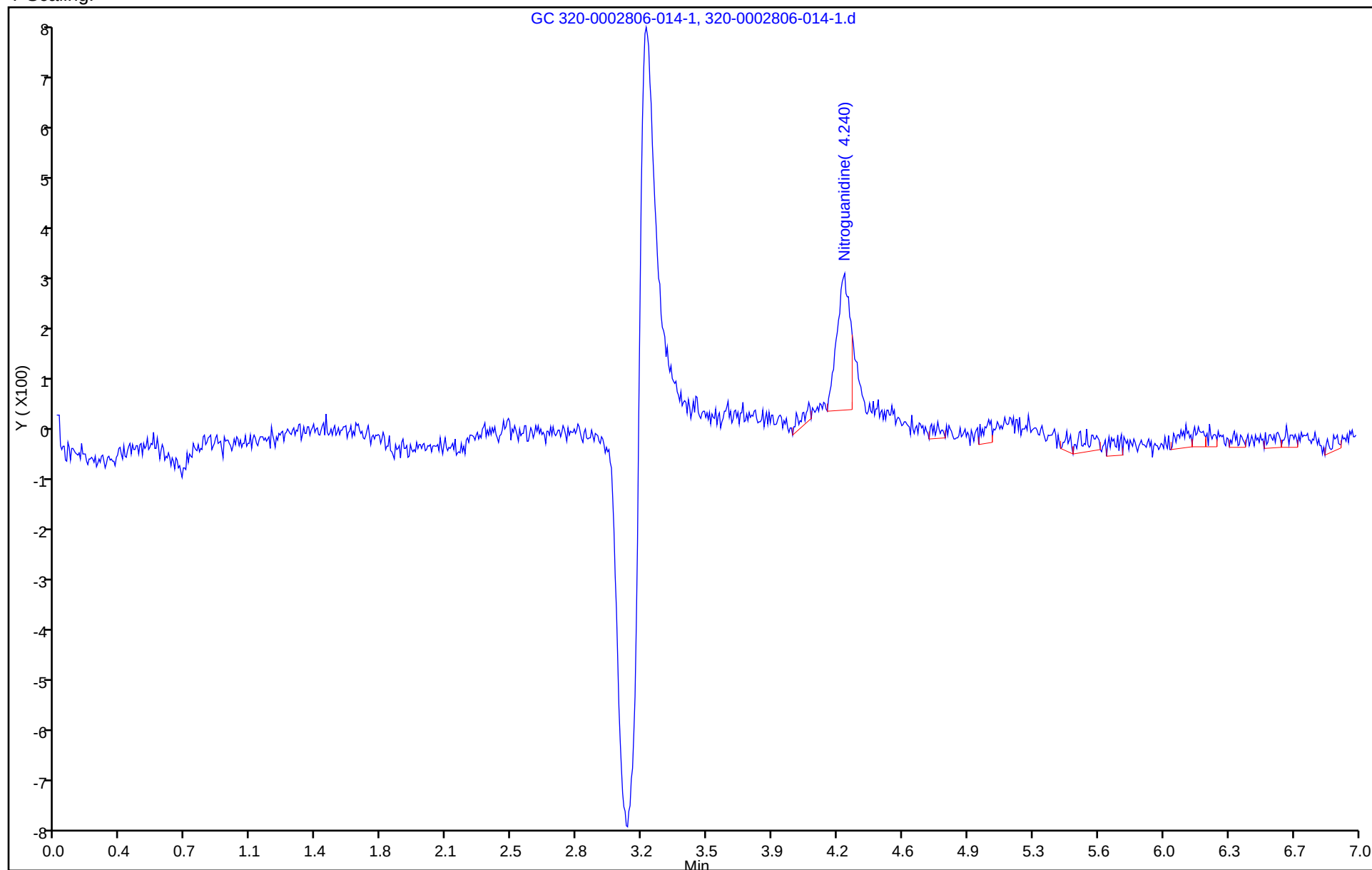
Operator ID: RN

Injection Vol: 50.0 ul

Column Type: Luna 5u NH2 100A

Column Dia: 4.60 mm

Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1
SDG No.: _____
Lab Sample ID: CCVL 320-10482/15 Calibration Date: 02/14/2013 13:53
Instrument ID: PDA1 Calib Start Date: 02/14/2013 11:44
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 02/14/2013 12:56
Lab File ID: 320-0002806-015-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	47.88	49.15		20.5	20.0	2.7	30.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1
SDG No.: _____
Lab Sample ID: CCVL 320-10482/15 Calibration Date: 02/14/2013 13:53
Instrument ID: PDA1 Calib Start Date: 02/14/2013 11:44
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 02/14/2013 12:56
Lab File ID: 320-0002806-015-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.22	3.97	4.47

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20130214-2806.b\320-0002806-015-1.d
Lims ID: CCVL Client ID:
Inject. Date: 14-Feb-2013 13:53:00 Dil. Factor: 1.0000
Sample Type: CCVL
Sample ID: 320-0002806-015 Analysis
Misc. Info.: none STD05
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 10482 Lims Sample ID: 15
Sublist: chrom-NGu Primary*sub1
Detector: GC 320-0002806-015-1
Method: \\SACChrom\ChromData\PDA1\20130214-2806.b\NGu Primary.m
Last Update: 14-Feb-2013 14:39:27 Calib Date: 14-Feb-2013 12:56:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20130214-2806.b\320-0002806-011-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK023

First Level Reviewer: noonanr

Date: 14-Feb-2013 14:39:27

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

1 Nitroguanidine
4.220 4.220 0.0 983 20.5

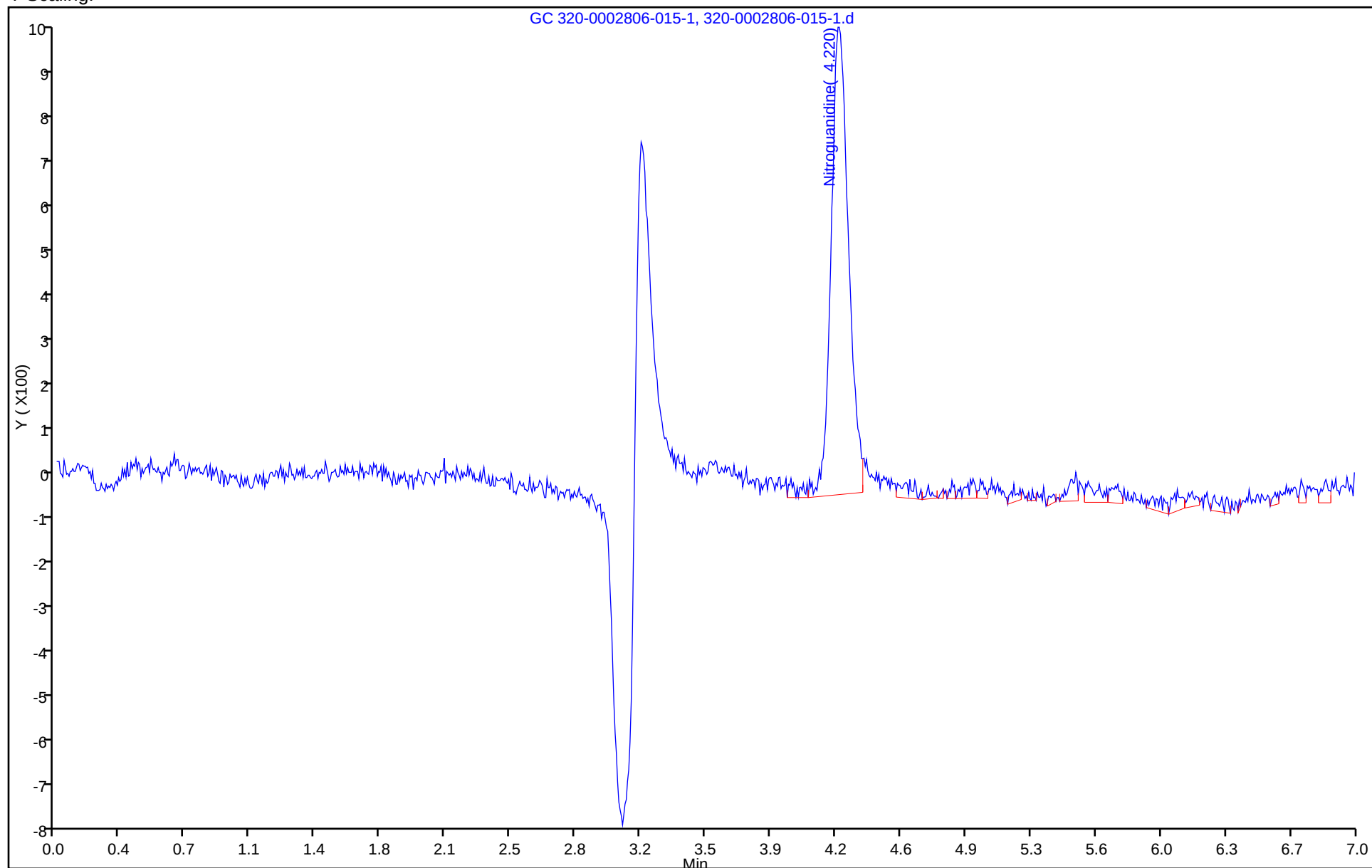
Report Date: 14-Feb-2013 14:39:27

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

TestAmerica Sacramento

Data File:	\\SACChrom\ChromData\PDA1\20130214-2806.b\320-0002806-015-1.d		
Injection Date:	14-Feb-2013 13:53:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	10482	Lims Sample ID:	15
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1
SDG No.: _____
Lab Sample ID: CCV 320-12714/4 Calibration Date: 03/21/2013 11:03
Instrument ID: PDA1 Calib Start Date: 02/14/2013 11:44
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 02/14/2013 12:56
Lab File ID: 320-0003395-004-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	47.88	49.71		208	200	3.8	15.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1
SDG No.: _____
Lab Sample ID: CCV 320-12714/4 Calibration Date: 03/21/2013 11:03
Instrument ID: PDA1 Calib Start Date: 02/14/2013 11:44
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 02/14/2013 12:56
Lab File ID: 320-0003395-004-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.24	3.99	4.49

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20130321-3395.b\320-0003395-004-1.d
Lims ID: CCV 05 Client ID:
Inject. Date: 21-Mar-2013 11:03:00 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 320-0003395-004 Analysis
Misc. Info.: none PRIMER
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 12714 Lims Sample ID: 4
Sublist: chrom-NGu Primary*sub1
Detector: GC 320-0003395-004-1
Method: \\SACChrom\ChromData\PDA1\20130321-3395.b\NGu Primary.m
Last Update: 21-Mar-2013 13:52:42 Calib Date: 14-Feb-2013 12:56:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20130214-2806.b\320-0002806-011-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK014

First Level Reviewer: noonanr

Date: 21-Mar-2013 13:52:41

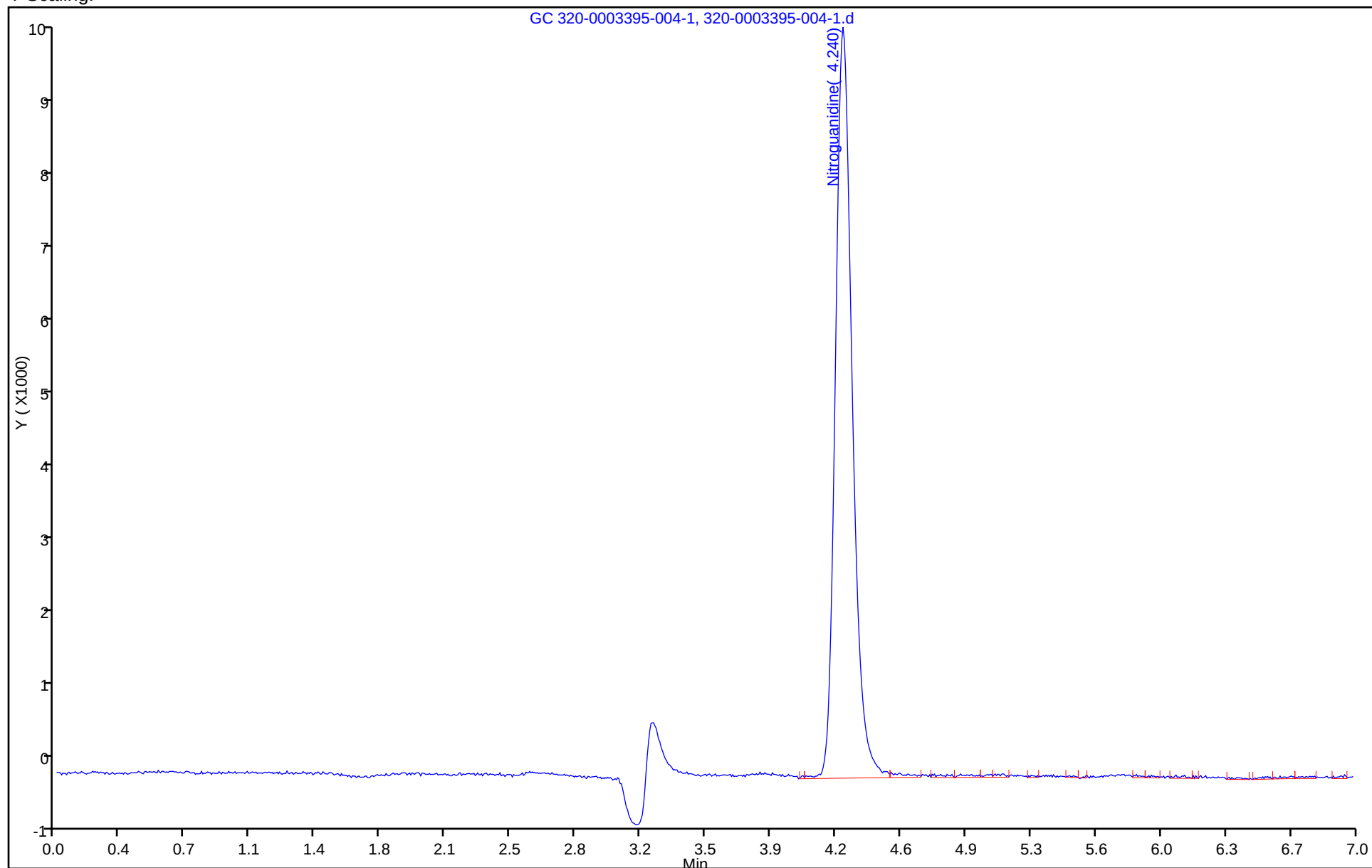
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

1 Nitroguanidine
4.240 4.240 0.0 9941 207.6

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\PDA1\20130321-3395.b\320-0003395-004-1.d
Injection Date: 21-Mar-2013 11:03:00 Limit Group: LC 8330 Ngu ICAL
Client ID: Instrument ID: PDA1
Lims Batch ID: 12714 Lims Sample ID: 4
Operator ID: RN Injection Vol: 50.0 ul
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm

Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1
SDG No.: _____
Lab Sample ID: CCVL 320-12714/12 Calibration Date: 03/21/2013 12:46
Instrument ID: PDA1 Calib Start Date: 02/14/2013 11:44
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 02/14/2013 12:56
Lab File ID: 320-0003395-011-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	47.88	50.55		21.1	20.0	5.6	30.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1
SDG No.: _____
Lab Sample ID: CCVL 320-12714/12 Calibration Date: 03/21/2013 12:46
Instrument ID: PDA1 Calib Start Date: 02/14/2013 11:44
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 02/14/2013 12:56
Lab File ID: 320-0003395-011-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.27	4.02	4.52

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20130321-3395.b\320-0003395-011-1.d
Lims ID: CCVL Client ID:
Inject. Date: 21-Mar-2013 12:46:00 Dil. Factor: 1.0000
Sample Type: CCVL
Sample ID: 320-0003395-011 Analysis
Misc. Info.: none LCS 320-4385/2-A
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 12714 Lims Sample ID: 12
Sublist: chrom-NGu Primary*sub1
Detector: GC 320-0003395-011-1
Method: \\SACChrom\ChromData\PDA1\20130321-3395.b\NGu Primary.m
Last Update: 21-Mar-2013 13:52:46 Calib Date: 14-Feb-2013 12:56:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20130214-2806.b\320-0002806-011-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK014

First Level Reviewer: noonanr

Date: 21-Mar-2013 13:17:20

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

1 Nitroguanidine
4.273 4.273 0.0 1011 21.1

Report Date: 21-Mar-2013 13:52:46

Chrom Revision: 2.1 18-Mar-2013 20:34:14

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\PDA1\20130321-3395.b\320-0003395-011-1.d

Injection Date: 21-Mar-2013 12:46:00

Limit Group: LC 8330 Ngu ICAL

Client ID:

Instrument ID: PDA1

Lims Batch ID: 12714

Lims Sample ID: 12

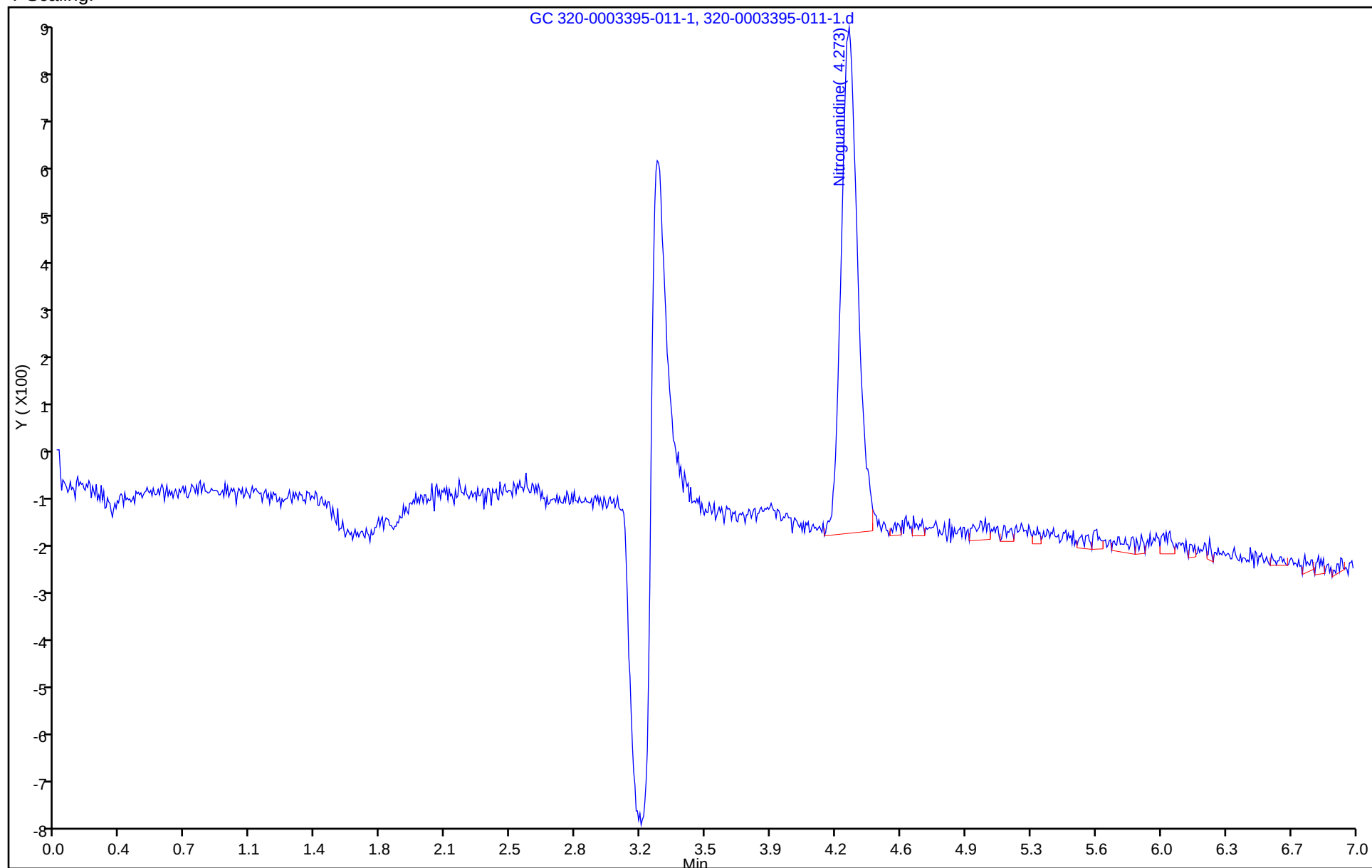
Operator ID: RN

Injection Vol: 50.0 ul

Column Type: Luna 5u NH2 100A

Column Dia: 4.60 mm

Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1
SDG No.: _____
Lab Sample ID: CCV 320-12714/11 Calibration Date: 03/21/2013 14:15
Instrument ID: PDA1 Calib Start Date: 02/14/2013 11:44
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 02/14/2013 12:56
Lab File ID: 320-0003395-011001-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	47.88	49.59		104	100	3.6	15.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1
SDG No.: _____
Lab Sample ID: CCV 320-12714/11 Calibration Date: 03/21/2013 14:15
Instrument ID: PDA1 Calib Start Date: 02/14/2013 11:44
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 02/14/2013 12:56
Lab File ID: 320-0003395-011001-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.25	4.00	4.50

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20130321-3395.b\320-0003395-011001-1.d
Lims ID: CCV 04 Client ID:
Inject. Date: 21-Mar-2013 14:15:00 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 320-0003395-011 Analysis
Misc. Info.: none LCS 320-4385/2-A
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 12714 Lims Sample ID: 11
Sublist: chrom-NGu Primary*sub1
Detector: GC 320-0003395-011001-1
Method: \\SACChrom\ChromData\PDA1\20130321-3395.b\NGu Primary.m
Last Update: 21-Mar-2013 15:14:39 Calib Date: 14-Feb-2013 12:56:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20130214-2806.b\320-0002806-011-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK014

First Level Reviewer: noonanr

Date: 21-Mar-2013 15:14:39

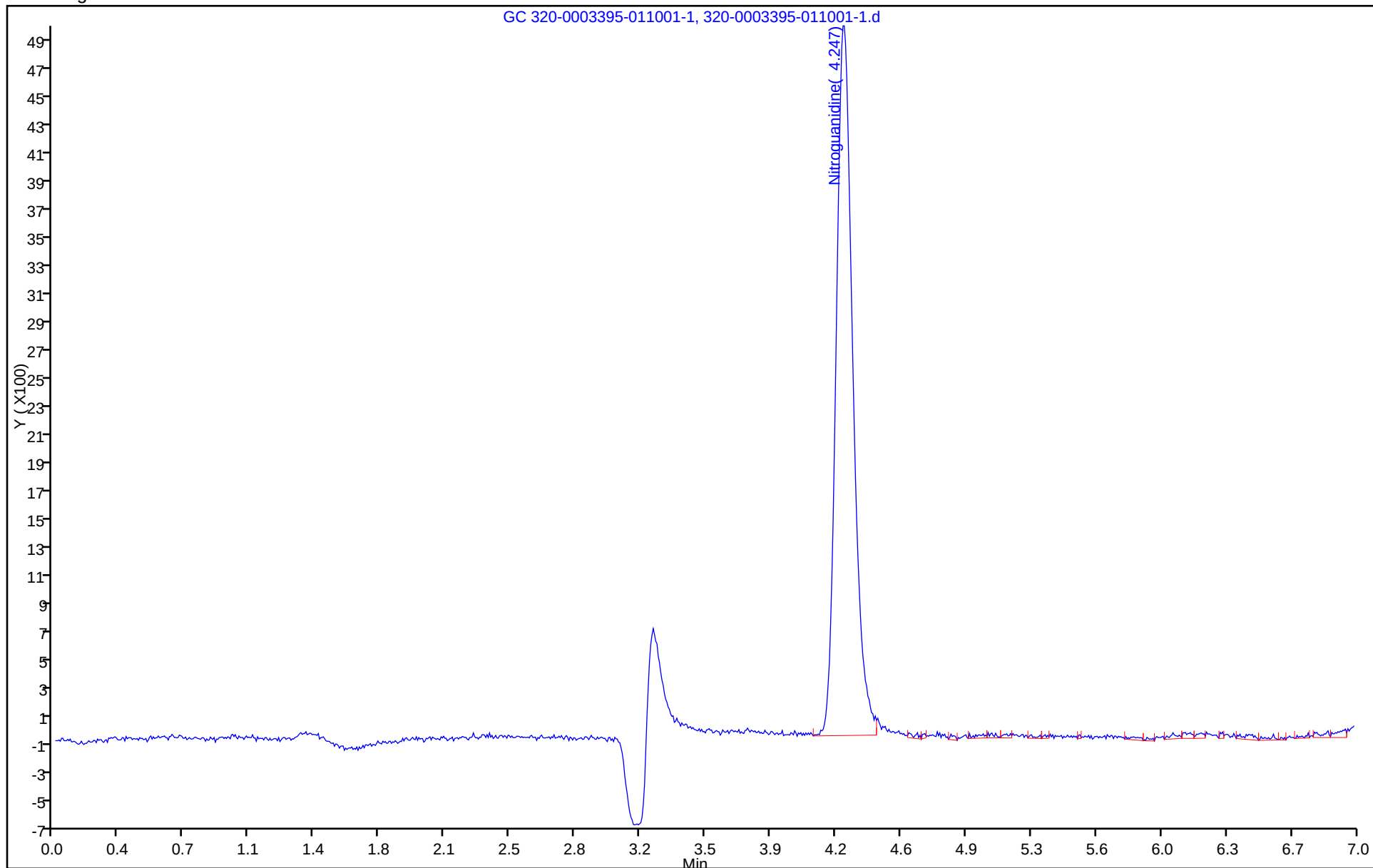
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

1 Nitroguanidine
4.247 4.247 0.0 4959 103.6

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\PDA1\20130321-3395.b\320-0003395-011001-1.d
Injection Date: 21-Mar-2013 14:15:00 Limit Group: LC 8330 Ngu ICAL
Client ID: Instrument ID: PDA1
Lims Batch ID: 12714 Lims Sample ID: 11
Operator ID: RN Injection Vol: 50.0 ul
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm

Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1
SDG No.: _____
Lab Sample ID: CCVL 320-12714/18 Calibration Date: 03/21/2013 14:30
Instrument ID: PDA1 Calib Start Date: 02/14/2013 11:44
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 02/14/2013 12:56
Lab File ID: 320-0003395-018-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	47.88	49.45		20.7	20.0	3.3	30.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1
SDG No.: _____
Lab Sample ID: CCVL 320-12714/18 Calibration Date: 03/21/2013 14:30
Instrument ID: PDA1 Calib Start Date: 02/14/2013 11:44
GC Column: Luna NH2 ID: 4.60 (mm) Calib End Date: 02/14/2013 12:56
Lab File ID: 320-0003395-018-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.25	4.00	4.50

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20130321-3395.b\320-0003395-018-1.d
Lims ID: CCVL Client ID:
Inject. Date: 21-Mar-2013 14:30:00 Dil. Factor: 1.0000
Sample Type: CCVL
Sample ID: 320-0003395-018 Analysis
Misc. Info.: none
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 12714 Lims Sample ID: 18
Sublist: chrom-NGu Primary*sub1
Detector: GC 320-0003395-018-1
Method: \\SACChrom\ChromData\PDA1\20130321-3395.b\NGu Primary.m
Last Update: 21-Mar-2013 15:15:07 Calib Date: 14-Feb-2013 12:56:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20130214-2806.b\320-0002806-011-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK014

First Level Reviewer: noonanr

Date: 21-Mar-2013 15:15:07

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					M
4.247	4.247	0.0	989	20.7	M

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 21-Mar-2013 15:15:07

Chrom Revision: 2.1 18-Mar-2013 20:34:14

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\PDA1\20130321-3395.b\320-0003395-018-1.d

Injection Date: 21-Mar-2013 14:30:00

Limit Group: LC 8330 Ngu ICAL

Client ID:

Instrument ID: PDA1

Lims Batch ID: 12714

Lims Sample ID: 18

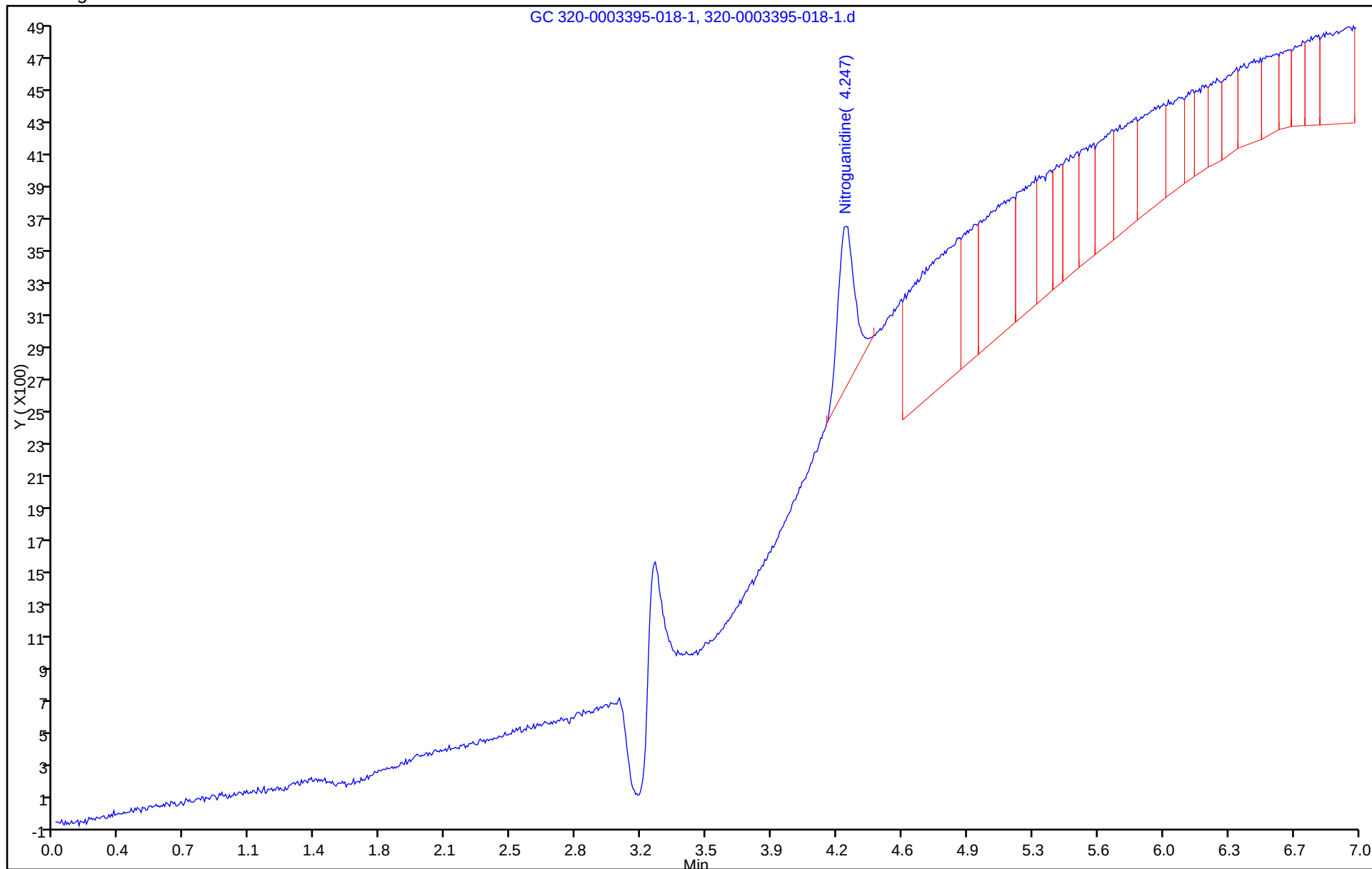
Operator ID: RN

Injection Vol: 50.0 ul

Column Type: Luna 5u NH2 100A

Column Dia: 4.60 mm

Y Scaling:



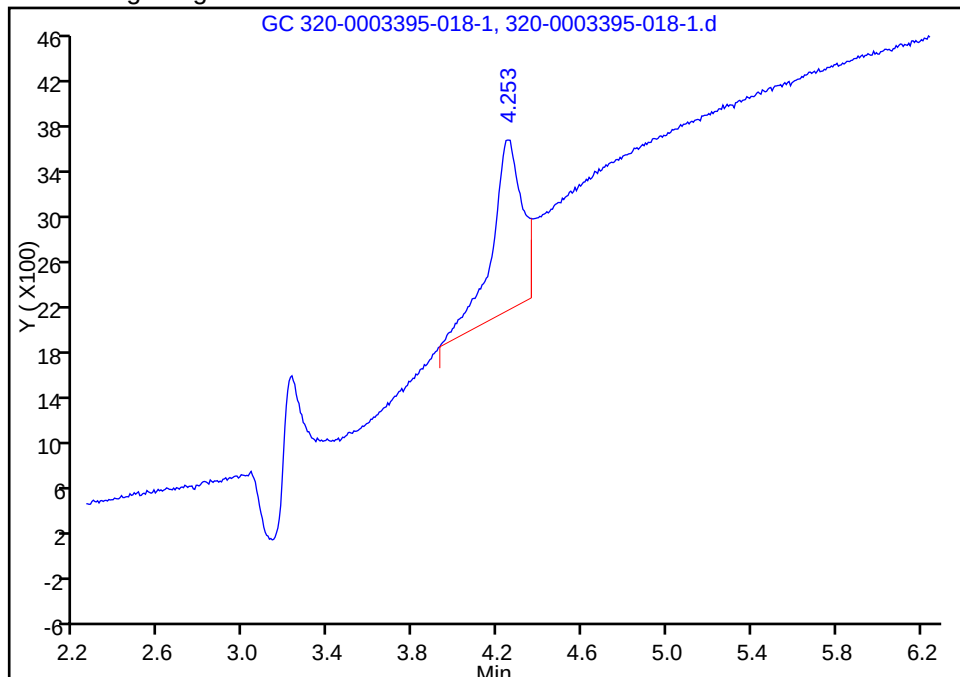
TestAmerica Sacramento

Data File:	\\SACChrom\ChromData\PDA1\20130321-3395.b\320-0003395-018-1.d		
Injection Date:	21-Mar-2013 14:30:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	12714	Lims Sample ID:	18
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

1 Nitroguanidine, Signal: 1, Type: quant, RT: 4.25

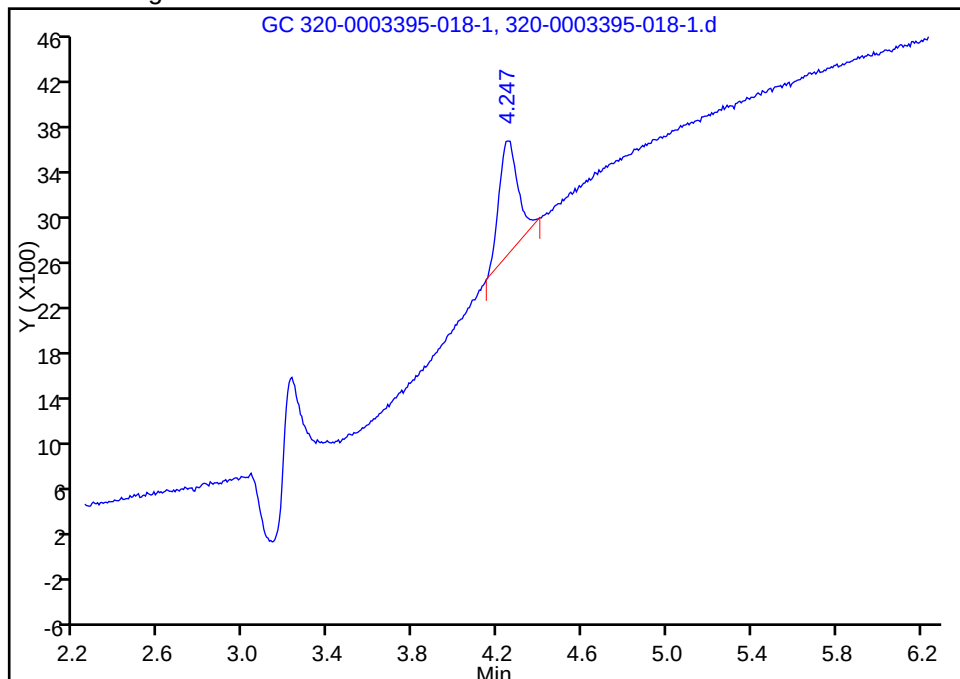
RT: 4.25
Response: 1477
Amount: 30.850423

Processing Integration Results



RT: 4.25
Response: 989
Amount: 20.657460

Manual Integration Results



Reviewer: noonanr, 21-Mar-2013 15:15:07

Audit Action: Manually Integrated

Audit Reason: Baseline

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1
SDG No.: _____
Lab Sample ID: LODV 320-12878/3 Calibration Date: 03/22/2013 14:31
Instrument ID: PDA1 Calib Start Date: 10/19/2012 15:58
GC Column: Hydro RP80A 4 ID: 4.00 (mm) Calib End Date: 10/19/2012 17:37
Lab File ID: 320-0003448-003-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	44.39	46.80		5.28	5.00	5.4	

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1
SDG No.: _____
Lab Sample ID: LODV 320-12878/3 Calibration Date: 03/22/2013 14:31
Instrument ID: PDA1 Calib Start Date: 10/19/2012 15:58
GC Column: Hydro RP80A 4 ID: 4.00 (mm) Calib End Date: 10/19/2012 17:37
Lab File ID: 320-0003448-003-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.47	4.26	4.76

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20130322-3448.b\320-0003448-003-1.d
Lims ID: LODV Q1 2013 Client ID:
Inject. Date: 22-Mar-2013 14:31:00 Dil. Factor: 1.0000
Sample Type: LODV
Sample ID: 320-0003448-003 Analysis
Misc. Info.: none PRIMER
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 12878 Lims Sample ID: 3
Detector: GC 320-0003448-003-1
Method: \\SACChrom\ChromData\PDA1\20130322-3448.b\NQ CONFIRMATION.m
Last Update: 26-Mar-2013 06:20:05 Calib Date: 19-Oct-2012 17:37:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL7_00003001-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Synergi 4u Hydro-RP80A Column Dia: 4.00 mm
Process Host: XAWRK036

First Level Reviewer: shafern

Date: 26-Mar-2013 06:18:25

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

1 Nitroguanidine					M
4.467	4.507	-0.040	234	5.28	M

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 26-Mar-2013 06:20:06

Chrom Revision: 2.1 18-Mar-2013 20:34:14

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\PDA1\20130322-3448.b\320-0003448-003-1.d

Injection Date: 22-Mar-2013 14:31:00

Limit Group: LC 8330 Ngu ICAL

Client ID:

Instrument ID: PDA1

Lims Batch ID: 12878

Lims Sample ID: 3

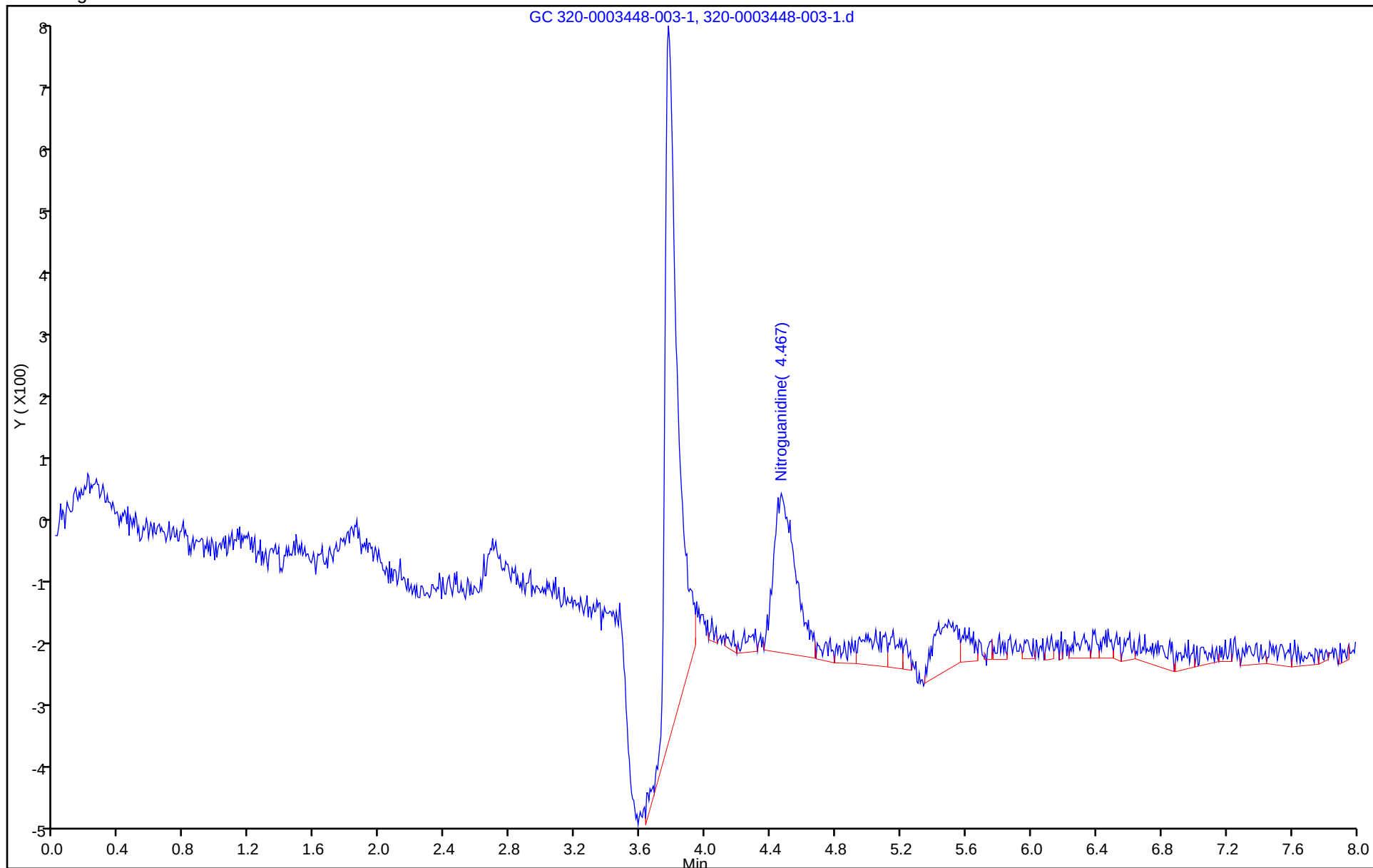
Operator ID: RN

Injection Vol: 50.0 ul

Column Type: Synergi 4u Hydro-RP80A

Column Dia: 4.00 mm

Y Scaling:



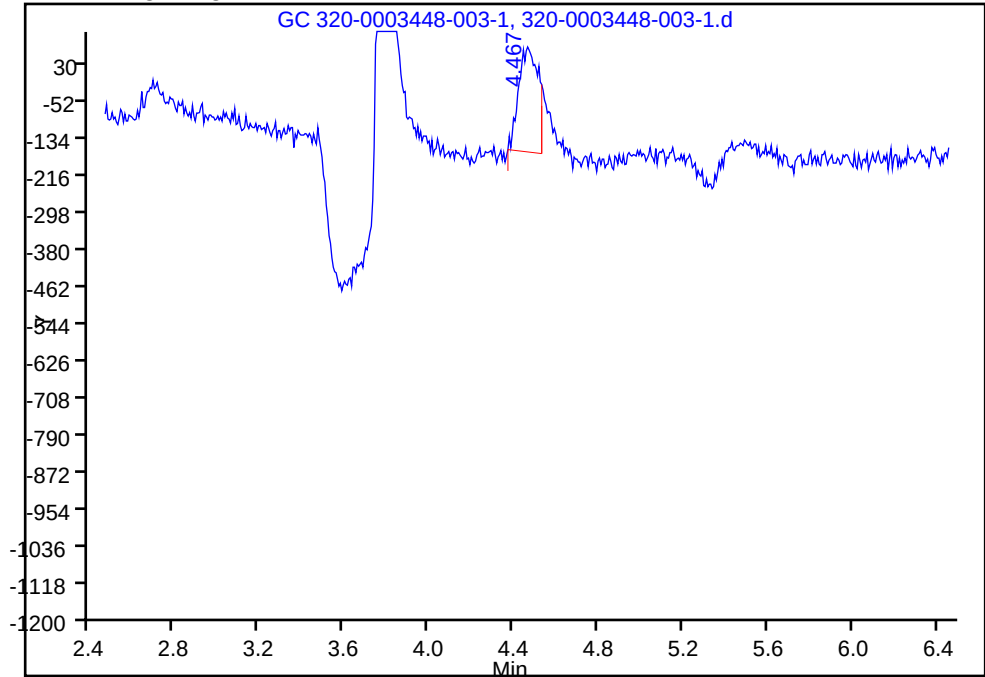
TestAmerica Sacramento

Data File: \\SACChrom\ChromData\PDA1\20130322-3448.b\320-0003448-003-1.d
Injection Date: 22-Mar-2013 14:31:00 Limit Group: LC 8330 Ngu ICAL
Client ID: Instrument ID: PDA1
Lims Batch ID: 12878 Lims Sample ID: 3
Operator ID: RN Injection Vol: 50.0 ul
Column Type: Synergi 4u Hydro-RP80A Column Dia: 4.00 mm

1 Nitroguanidine, Signal: 1, Type: quant, RT: 4.51

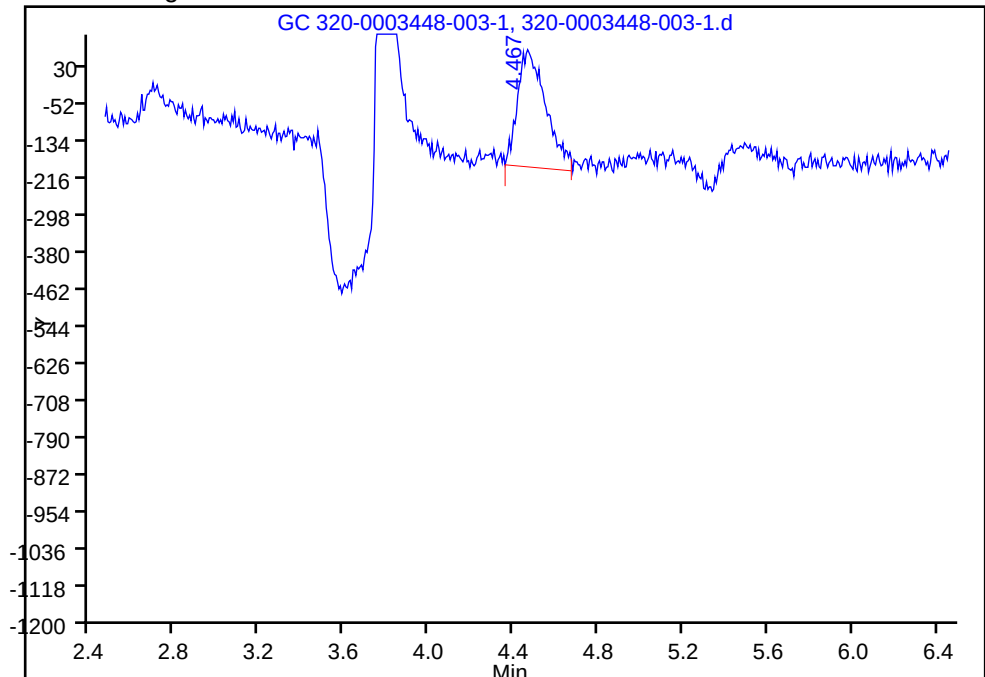
RT: 4.47
Response: 209
Amount: 4.718028

Processing Integration Results



RT: 4.47
Response: 234
Amount: 5.282386

Manual Integration Results



Reviewer: shafern, 26-Mar-2013 06:18:25
Audit Action: Manually Integrated
Audit Reason: Baseline

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1
SDG No.: _____
Lab Sample ID: CCV 320-12878/4 Calibration Date: 03/22/2013 14:51
Instrument ID: PDA1 Calib Start Date: 10/19/2012 15:58
GC Column: Hydro RP80A 4 ID: 4.00 (mm) Calib End Date: 10/19/2012 17:37
Lab File ID: 320-0003448-004-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	44.39	43.51		196	200	-2.0	15.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1
SDG No.: _____
Lab Sample ID: CCV 320-12878/4 Calibration Date: 03/22/2013 14:51
Instrument ID: PDA1 Calib Start Date: 10/19/2012 15:58
GC Column: Hydro RP80A 4 ID: 4.00 (mm) Calib End Date: 10/19/2012 17:37
Lab File ID: 320-0003448-004-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.51	4.26	4.76

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20130322-3448.b\320-0003448-004-1.d
Lims ID: CCV 05 Client ID:
Inject. Date: 22-Mar-2013 14:51:00 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 320-0003448-004 Analysis
Misc. Info.: none PRIMER
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 12878 Lims Sample ID: 4
Sublist: chrom-NQ CONFIRMATION*sub1
Detector: GC 320-0003448-004-1
Method: \\SACChrom\ChromData\PDA1\20130322-3448.b\NQ CONFIRMATION.m
Last Update: 26-Mar-2013 06:20:05 Calib Date: 19-Oct-2012 17:37:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL7_00003001-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Synergi 4u Hydro-RP80A Column Dia: 4.00 mm
Process Host: XAWRK036

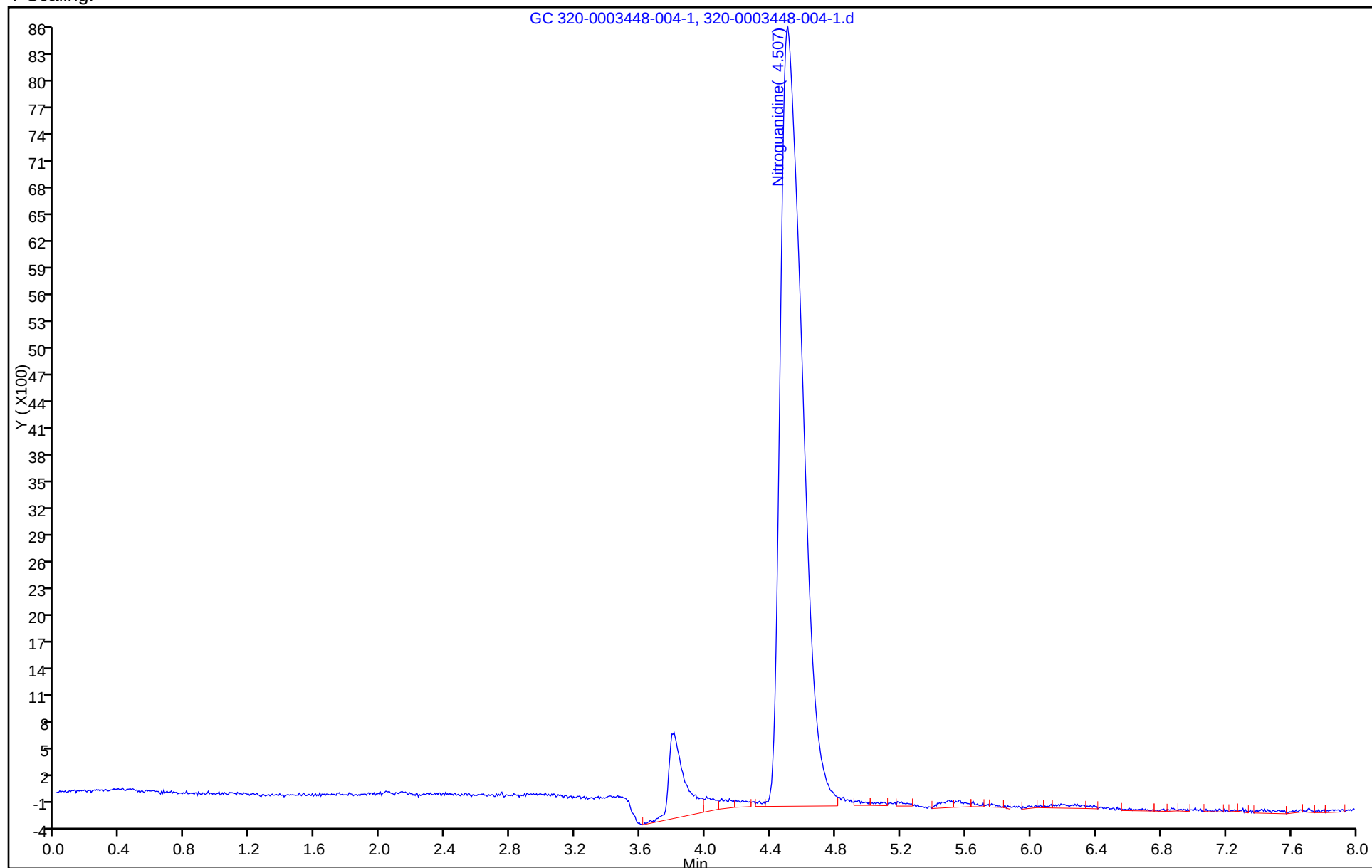
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

1 Nitroguanidine
4.507 4.507 0.0 8702 196.4

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\PDA1\20130322-3448.b\320-0003448-004-1.d
Injection Date: 22-Mar-2013 14:51:00 Limit Group: LC 8330 Ngu ICAL
Client ID: Instrument ID: PDA1
Lims Batch ID: 12878 Lims Sample ID: 4
Operator ID: RN Injection Vol: 50.0 ul
Column Type: Synergi 4u Hydro-RP80A Column Dia: 4.00 mm

Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1
SDG No.: _____
Lab Sample ID: CCVL 320-12878/5 Calibration Date: 03/22/2013 15:12
Instrument ID: PDA1 Calib Start Date: 10/19/2012 15:58
GC Column: Hydro RP80A 4 ID: 4.00 (mm) Calib End Date: 10/19/2012 17:37
Lab File ID: 320-0003448-005-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	44.39	44.55		20.1	20.0	0.6	30.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1
SDG No.: _____
Lab Sample ID: CCVL 320-12878/5 Calibration Date: 03/22/2013 15:12
Instrument ID: PDA1 Calib Start Date: 10/19/2012 15:58
GC Column: Hydro RP80A 4 ID: 4.00 (mm) Calib End Date: 10/19/2012 17:37
Lab File ID: 320-0003448-005-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.49	4.24	4.74

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20130322-3448.b\320-0003448-005-1.d
Lims ID: CCVL Client ID:
Inject. Date: 22-Mar-2013 15:12:00 Dil. Factor: 1.0000
Sample Type: CCVL
Sample ID: 320-0003448-005 Analysis
Misc. Info.: none PRIMER
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 12878 Lims Sample ID: 5
Sublist: chrom-NQ CONFIRMATION*sub1
Detector: GC 320-0003448-005-1
Method: \\SACChrom\ChromData\PDA1\20130322-3448.b\NQ CONFIRMATION.m
Last Update: 26-Mar-2013 06:20:05 Calib Date: 19-Oct-2012 17:37:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL7_00003001-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Synergi 4u Hydro-RP80A Column Dia: 4.00 mm
Process Host: XAWRK036

First Level Reviewer: shafern

Date: 26-Mar-2013 06:18:53

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					M
4.493	4.493	0.0	891	20.1	M

QC Flag Legend

Review Flags

M - Manually Integrated

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\PDA1\20130322-3448.b\320-0003448-005-1.d

Injection Date: 22-Mar-2013 15:12:00

Limit Group: LC 8330 Ngu ICAL

Client ID:

Instrument ID: PDA1

Lims Batch ID: 12878

Lims Sample ID: 5

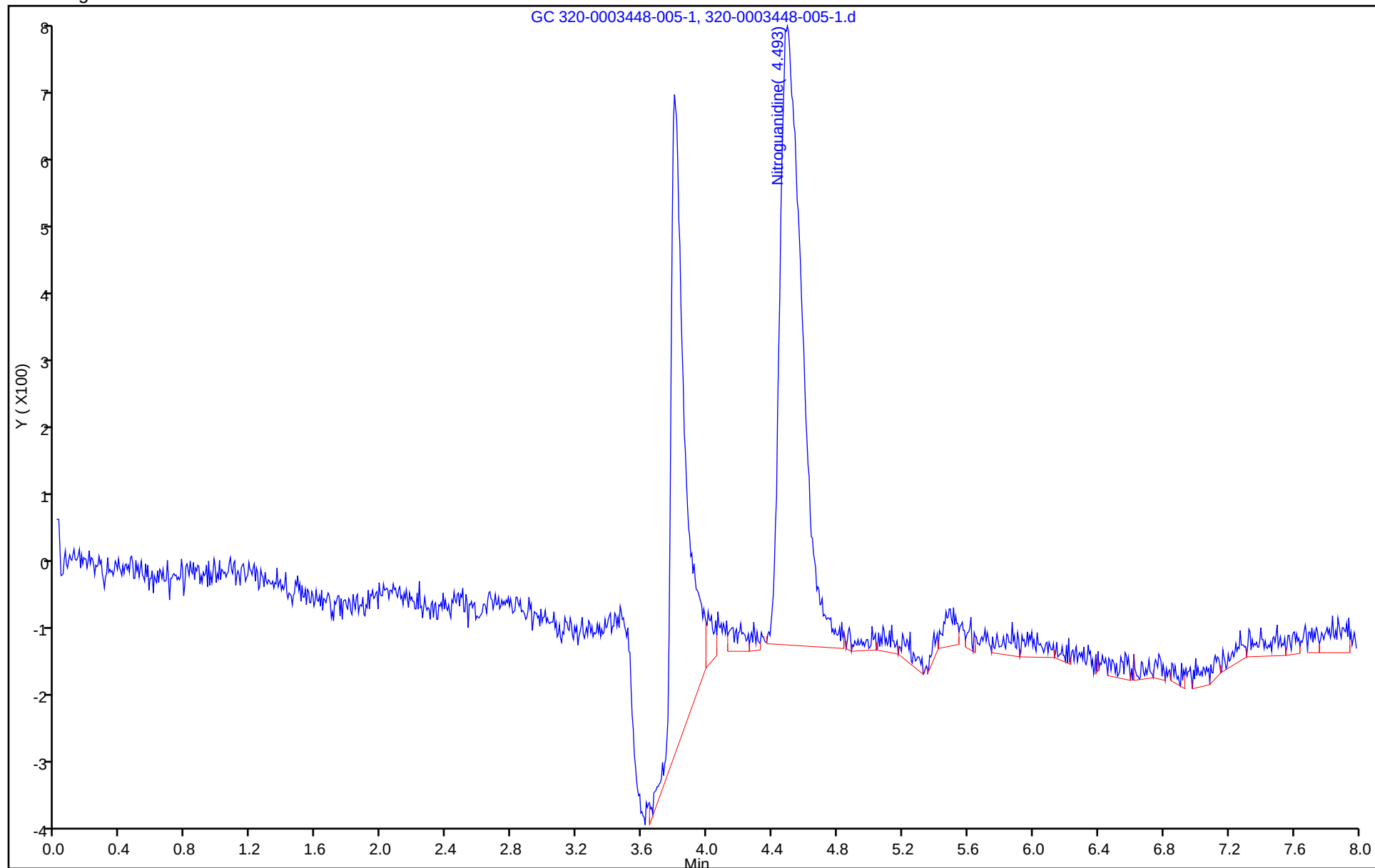
Operator ID: RN

Injection Vol: 50.0 ul

Column Type: Synergi 4u Hydro-RP80A

Column Dia: 4.00 mm

Y Scaling:



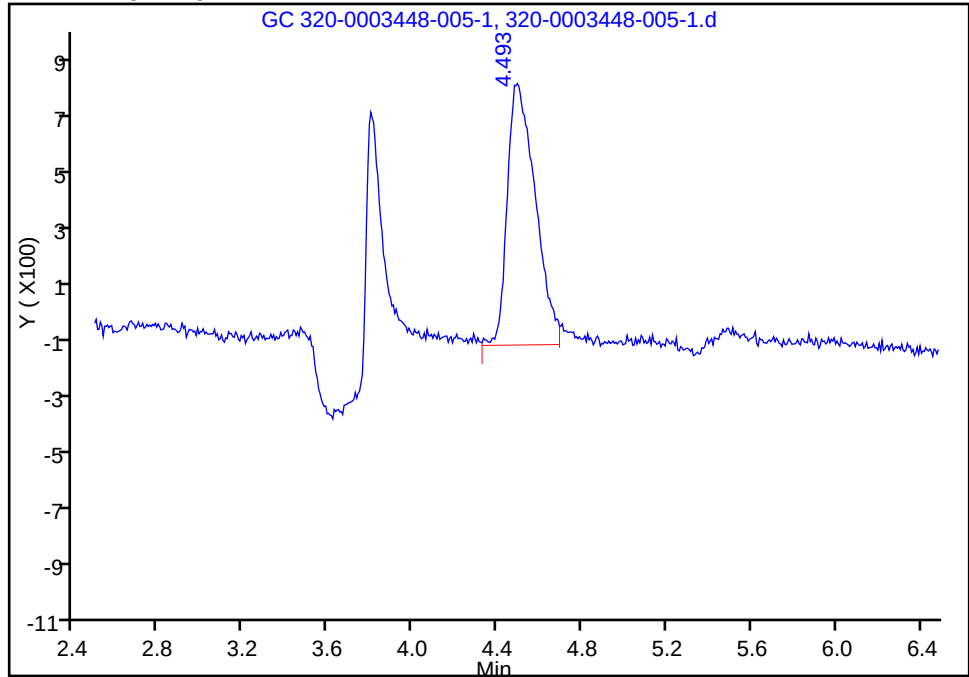
TestAmerica Sacramento

Data File:	\\SACChrom\ChromData\PDA1\20130322-3448.b\320-0003448-005-1.d		
Injection Date:	22-Mar-2013 15:12:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	12878	Lims Sample ID:	5
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Synergi 4u Hydro-RP80A	Column Dia:	4.00 mm

1 Nitroguanidine, Signal: 1, Type: quant, RT: 4.49

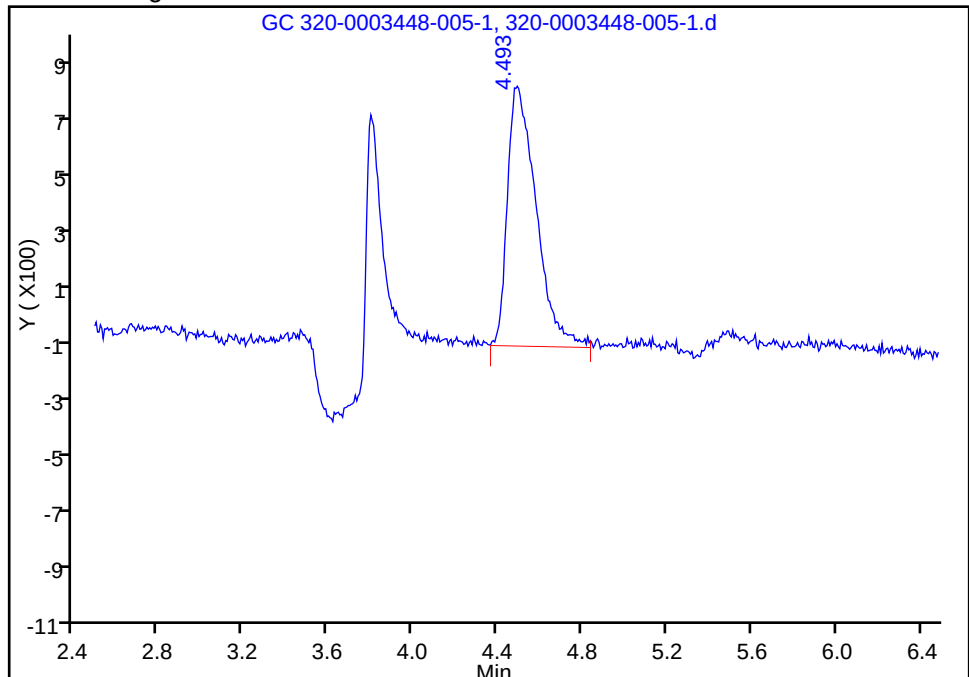
RT: 4.49
Response: 897
Amount: 20.249145

Processing Integration Results



RT: 4.49
Response: 891
Amount: 20.113699

Manual Integration Results



Reviewer: shafern, 26-Mar-2013 06:18:53
Audit Action: Manually Integrated
Audit Reason: Baseline

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1
SDG No.: _____
Lab Sample ID: CCV 320-12878/8 Calibration Date: 03/22/2013 16:13
Instrument ID: PDA1 Calib Start Date: 10/19/2012 15:58
GC Column: Hydro RP80A 4 ID: 4.00 (mm) Calib End Date: 10/19/2012 17:37
Lab File ID: 320-0003448-008-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	44.39	43.29		97.7	100	-2.5	15.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1
SDG No.: _____
Lab Sample ID: CCV 320-12878/8 Calibration Date: 03/22/2013 16:13
Instrument ID: PDA1 Calib Start Date: 10/19/2012 15:58
GC Column: Hydro RP80A 4 ID: 4.00 (mm) Calib End Date: 10/19/2012 17:37
Lab File ID: 320-0003448-008-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.46	4.21	4.71

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20130322-3448.b\320-0003448-008-1.d
Lims ID: CCV 04 Client ID:
Inject. Date: 22-Mar-2013 16:13:00 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 320-0003448-008 Analysis
Misc. Info.: none LCS 320-4385/2-A
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 12878 Lims Sample ID: 8
Sublist: chrom-NQ CONFIRMATION*sub1
Detector: GC 320-0003448-008-1
Method: \\SACChrom\ChromData\PDA1\20130322-3448.b\NQ CONFIRMATION.m
Last Update: 26-Mar-2013 06:20:03 Calib Date: 19-Oct-2012 17:37:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL7_00003001-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Synergi 4u Hydro-RP80A Column Dia: 4.00 mm
Process Host: XAWRK036

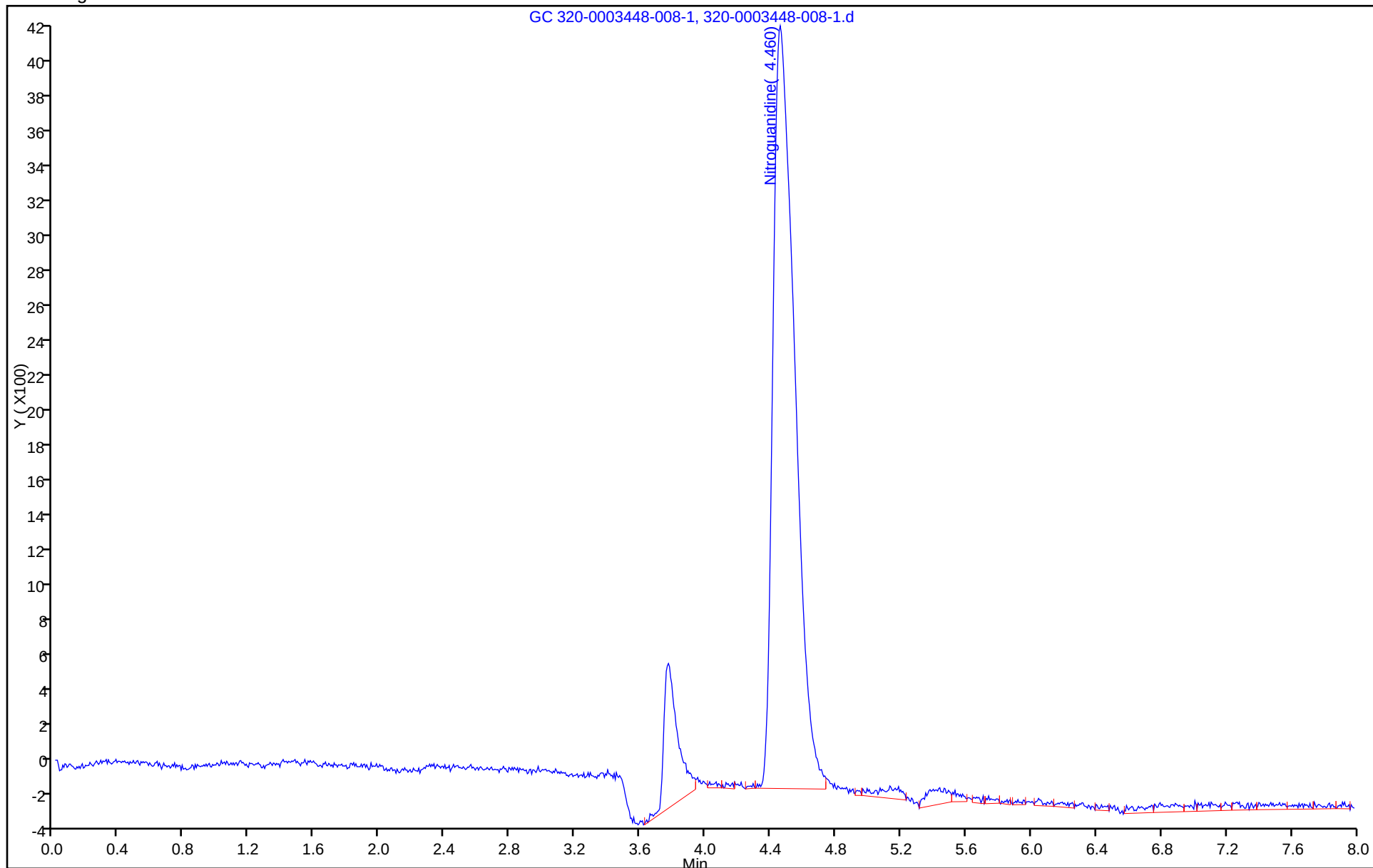
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

1 Nitroguanidine
4.460 4.460 0.0 4329 97.7

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\PDA1\20130322-3448.b\320-0003448-008-1.d
Injection Date: 22-Mar-2013 16:13:00 Limit Group: LC 8330 Ngu ICAL
Client ID: Instrument ID: PDA1
Lims Batch ID: 12878 Lims Sample ID: 8
Operator ID: RN Injection Vol: 50.0 ul
Column Type: Synergi 4u Hydro-RP80A Column Dia: 4.00 mm

Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1
SDG No.: _____
Lab Sample ID: CCVL 320-12878/9 Calibration Date: 03/22/2013 16:33
Instrument ID: PDA1 Calib Start Date: 10/19/2012 15:58
GC Column: Hydro RP80A 4 ID: 4.00 (mm) Calib End Date: 10/19/2012 17:37
Lab File ID: 320-0003448-009-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	44.39	44.60		20.1	20.0	0.7	30.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1
SDG No.: _____
Lab Sample ID: CCVL 320-12878/9 Calibration Date: 03/22/2013 16:33
Instrument ID: PDA1 Calib Start Date: 10/19/2012 15:58
GC Column: Hydro RP80A 4 ID: 4.00 (mm) Calib End Date: 10/19/2012 17:37
Lab File ID: 320-0003448-009-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.47	4.22	4.72

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20130322-3448.b\320-0003448-009-1.d
Lims ID: CCVL Client ID:
Inject. Date: 22-Mar-2013 16:33:00 Dil. Factor: 1.0000
Sample Type: CCVL
Sample ID: 320-0003448-009 Analysis
Misc. Info.: none LCS 320-4385/2-A
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 12878 Lims Sample ID: 9
Sublist: chrom-NQ CONFIRMATION*sub1
Detector: GC 320-0003448-009-1
Method: \\SACChrom\ChromData\PDA1\20130322-3448.b\NQ CONFIRMATION.m
Last Update: 26-Mar-2013 06:20:03 Calib Date: 19-Oct-2012 17:37:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL7_00003001-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Synergi 4u Hydro-RP80A Column Dia: 4.00 mm
Process Host: XAWRK036

First Level Reviewer: shafern

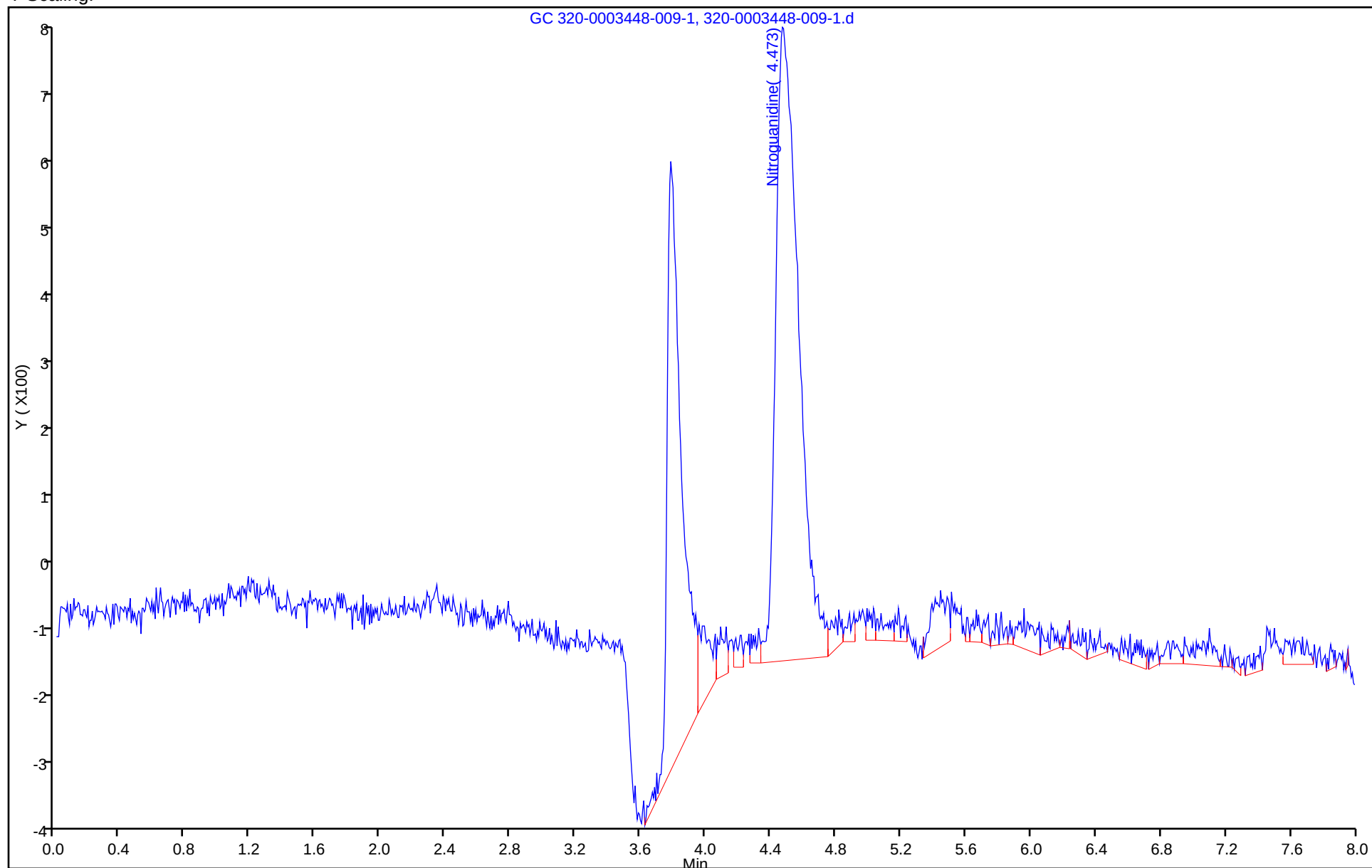
Date: 26-Mar-2013 06:20:03

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

1 Nitroguanidine
4.473 4.473 0.0 892 20.1

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\PDA1\20130322-3448.b\320-0003448-009-1.d
Injection Date: 22-Mar-2013 16:33:00 Limit Group: LC 8330 Ngu ICAL
Client ID: Instrument ID: PDA1
Lims Batch ID: 12878 Lims Sample ID: 9
Operator ID: RN Injection Vol: 50.0 ul
Column Type: Synergi 4u Hydro-RP80A Column Dia: 4.00 mm
Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 320-12568/1-A
Matrix: Water Lab File ID: 320-0003395-013-1.d
Analysis Method: 8330 Modified Date Collected: _____
Extraction Method: Filtration Date Extracted: 03/19/2013 14:18
Sample wt/vol: 10 (mL) Date Analyzed: 03/21/2013 13:01
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 50 (uL) GC Column: Luna NH2 ID: 4.6 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 12714 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
556-88-7	Nitroguanidine	6.0	U	20	6.0	2.4

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20130321-3395.b\320-0003395-013-1.d
Lims ID: MB 320-12568/1-A Client ID:
Inject. Date: 21-Mar-2013 13:01:00 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 320-0003395-006 Analysis
Misc. Info.: none MB 320-4385/1-A
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 12714 Lims Sample ID: 13
Detector: GC 320-0003395-013-1
Method: \\SACChrom\ChromData\PDA1\20130321-3395.b\NGu Primary.m
Last Update: 21-Mar-2013 13:53:28 Calib Date: 14-Feb-2013 12:56:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20130214-2806.b\320-0002806-011-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK014

First Level Reviewer: noonanr

Date: 21-Mar-2013 13:48:33

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

Report Date: 21-Mar-2013 13:54:14

Chrom Revision: 2.1 18-Mar-2013 20:34:14

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\PDA1\20130321-3395.b\320-0003395-013-1.d

Injection Date: 21-Mar-2013 13:01:00

Limit Group: LC 8330 Ngu ICAL

Client ID:

Instrument ID: PDA1

Lims Batch ID: 12714

Lims Sample ID: 13

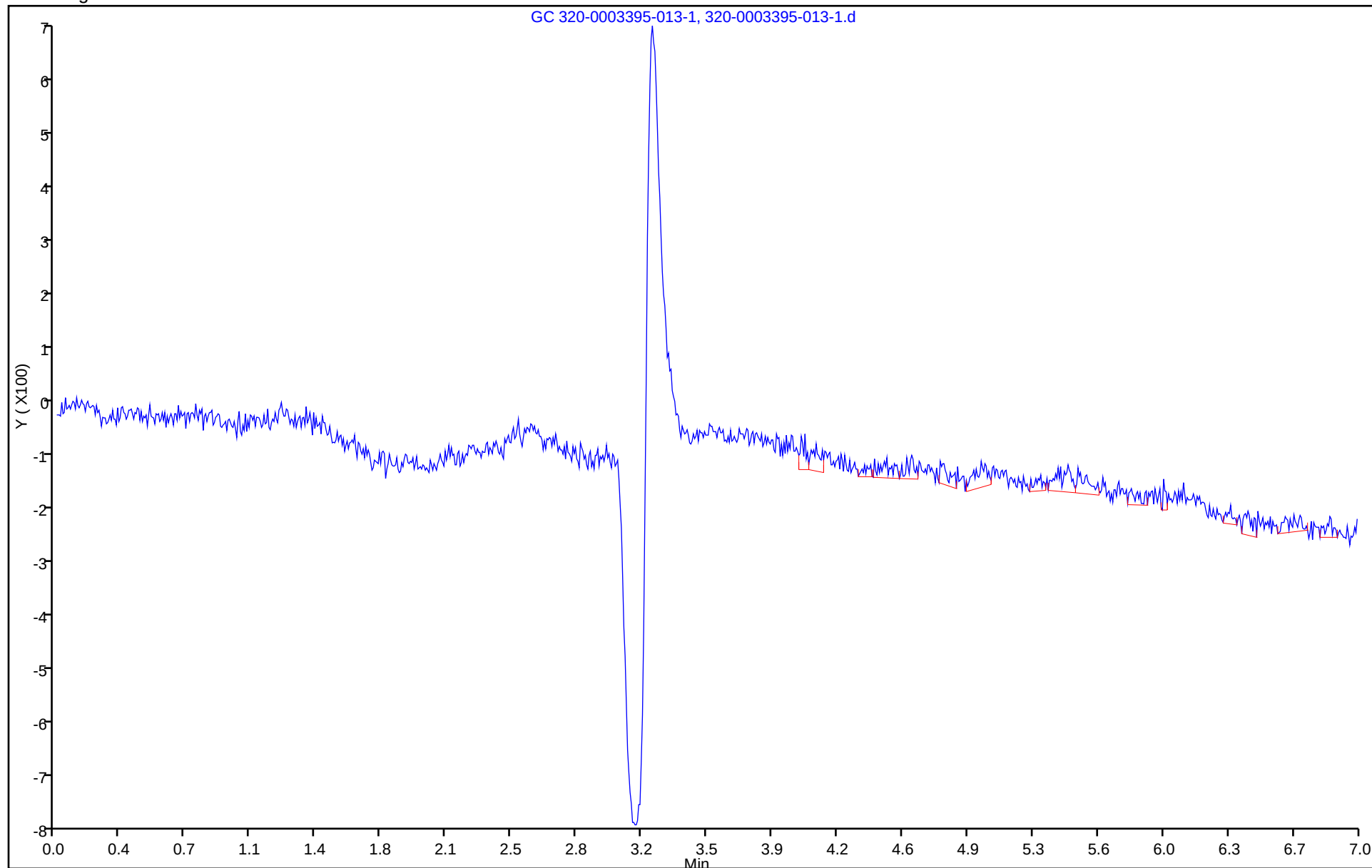
Operator ID: RN

Injection Vol: 50.0 ul

Column Type: Luna 5u NH2 100A

Column Dia: 4.60 mm

Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 320-12568/1-A
Matrix: Water Lab File ID: 320-0003448-006-1.d
Analysis Method: 8330 Modified Date Collected: _____
Extraction Method: Filtration Date Extracted: 03/19/2013 14:18
Sample wt/vol: 10 (mL) Date Analyzed: 03/22/2013 15:32
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 50 (uL) GC Column: _____ ID: _____
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 12878 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
556-88-7	Nitroguanidine	6.0	U	20	6.0	2.4

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20130322-3448.b\320-0003448-006-1.d
Lims ID: MB 320-12568/1-A Client ID:
Inject. Date: 22-Mar-2013 15:32:00 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 320-0003448-006 Analysis
Misc. Info.: none MB 320-4385/1-A
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 12878 Lims Sample ID: 6
Detector: GC 320-0003448-006-1

Method: \\SACChrom\ChromData\PDA1\20130322-3448.b\NQ CONFIRMATION.m
Last Update: 26-Mar-2013 06:20:03 Calib Date: 19-Oct-2012 17:37:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20121019-1096.b\HPNQL7_00003001-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Synergi 4u Hydro-RP80A Column Dia: 4.00 mm
Process Host: XAWRK036

First Level Reviewer: shafern

Date: 26-Mar-2013 06:19:00

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

Report Date: 26-Mar-2013 06:20:04

Chrom Revision: 2.1 18-Mar-2013 20:34:14

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\PDA1\20130322-3448.b\320-0003448-006-1.d

Injection Date: 22-Mar-2013 15:32:00

Limit Group: LC 8330 Ngu ICAL

Client ID:

Instrument ID: PDA1

Lims Batch ID: 12878

Lims Sample ID: 6

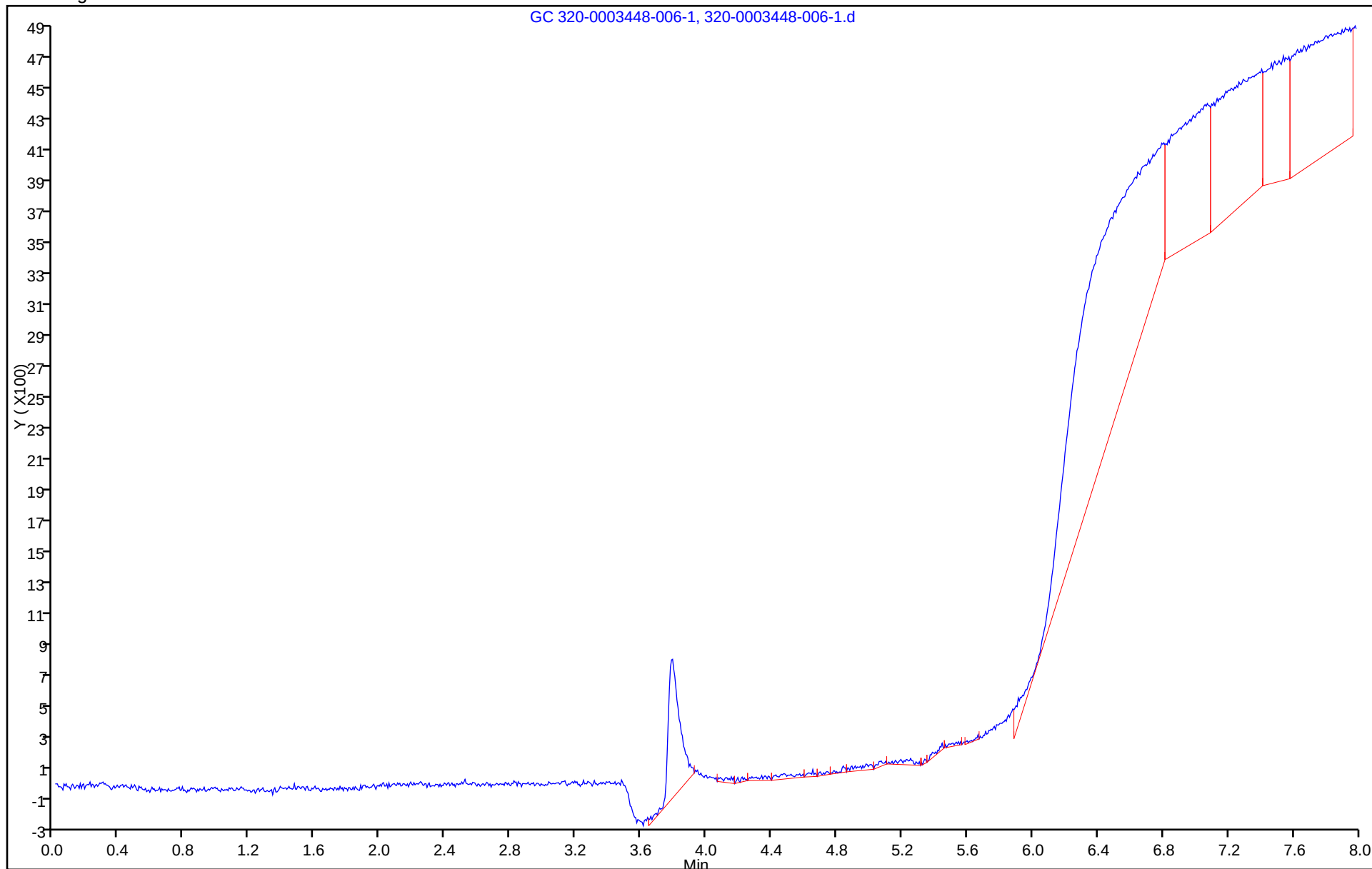
Operator ID: RN

Injection Vol: 50.0 ul

Column Type: Synergi 4u Hydro-RP80A

Column Dia: 4.00 mm

Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 320-12568/2-A
Matrix: Water Lab File ID: 320-0003395-014-1.d
Analysis Method: 8330 Modified Date Collected: _____
Extraction Method: Filtration Date Extracted: 03/19/2013 14:18
Sample wt/vol: 10 (mL) Date Analyzed: 03/21/2013 13:16
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 50 (uL) GC Column: Luna NH2 ID: 4.6 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 12714 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
556-88-7	Nitroguanidine	250		20	6.0	2.4

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20130321-3395.b\320-0003395-014-1.d
Lims ID: LCS 320-12568/2-A Client ID:
Inject. Date: 21-Mar-2013 13:16:00 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 320-0003395-007 Analysis
Misc. Info.: none LCS 320-4385/2-A
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 12714 Lims Sample ID: 14
Detector: GC 320-0003395-014-1
Method: \\SACChrom\ChromData\PDA1\20130321-3395.b\NGu Primary.m
Last Update: 21-Mar-2013 13:53:28 Calib Date: 14-Feb-2013 12:56:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20130214-2806.b\320-0002806-011-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK014

First Level Reviewer: noonanr

Date: 21-Mar-2013 13:53:28

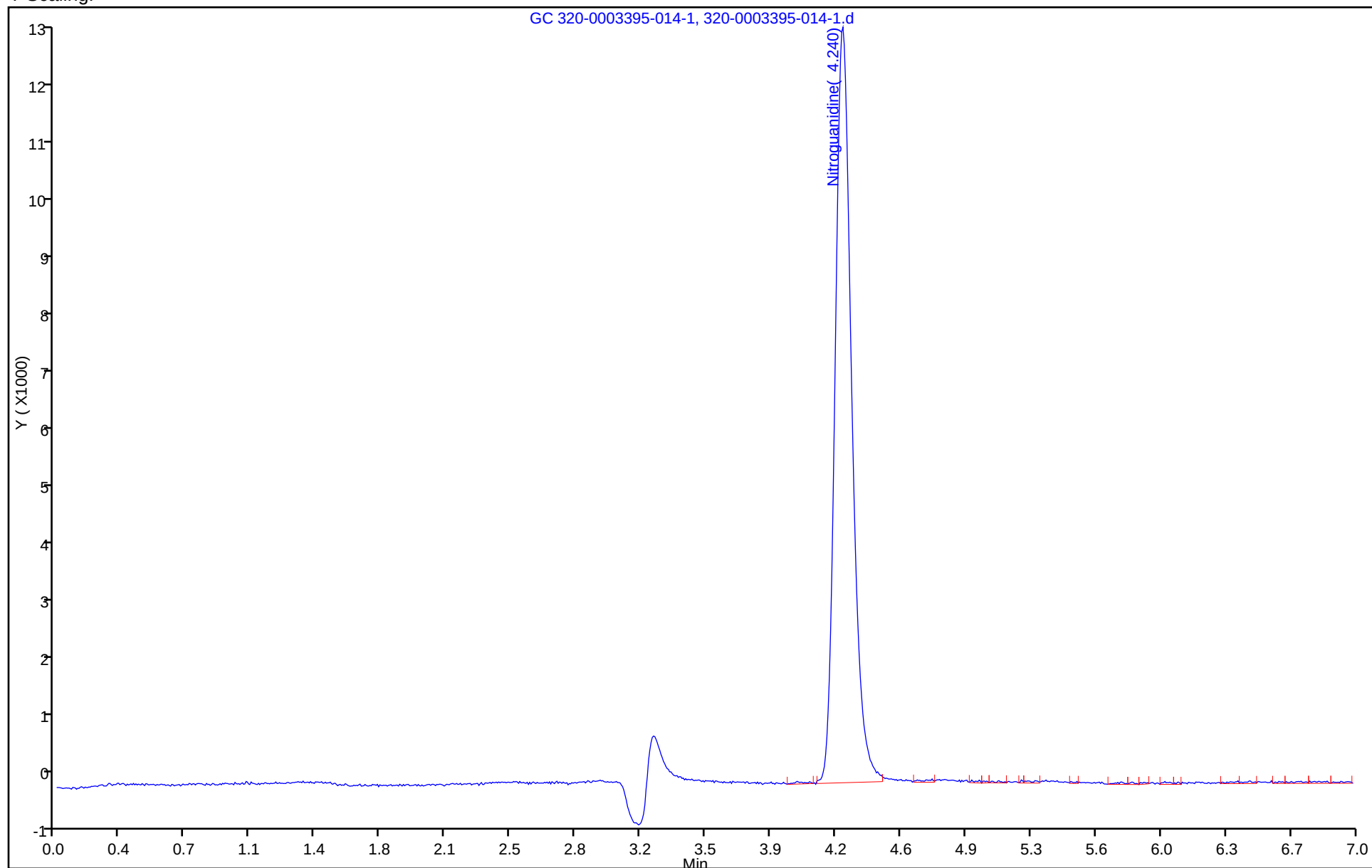
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

1 Nitroguanidine
4.240 4.273 -0.033 11967 250.0

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\PDA1\20130321-3395.b\320-0003395-014-1.d
Injection Date: 21-Mar-2013 13:16:00 Limit Group: LC 8330 Ngu ICAL
Client ID: Instrument ID: PDA1
Lims Batch ID: 12714 Lims Sample ID: 14
Operator ID: RN Injection Vol: 50.0 ul
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm

Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1
SDG No.: _____
Client Sample ID: 079-0007-0001-SOURCEWATER Lab Sample ID: 240-21987-1 MS
Matrix: Water Lab File ID: 320-0003395-016-1.d
Analysis Method: 8330 Modified Date Collected: 03/14/2013 12:00
Extraction Method: Filtration Date Extracted: 03/19/2013 14:18
Sample wt/vol: 10 (mL) Date Analyzed: 03/21/2013 13:45
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 50 (uL) GC Column: Luna NH2 ID: 4.6 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 12714 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
556-88-7	Nitroguanidine	268		20	6.0	2.4

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20130321-3395.b\320-0003395-016-1.d
Lims ID: 240-21987-Q-1-C MS Client ID:
Inject. Date: 21-Mar-2013 13:45:00 Dil. Factor: 1.0000
Sample Type: MS
Sample ID: 320-0003395-009 Analysis
Misc. Info.: none LCS 320-4385/2-A
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 12714 Lims Sample ID: 16
Detector: GC 320-0003395-016-1

Method: \\SACChrom\ChromData\PDA1\20130321-3395.b\NGu Primary.m
Last Update: 21-Mar-2013 14:54:36 Calib Date: 14-Feb-2013 12:56:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20130214-2806.b\320-0002806-011-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK014

First Level Reviewer: noonanr

Date: 21-Mar-2013 13:55:00

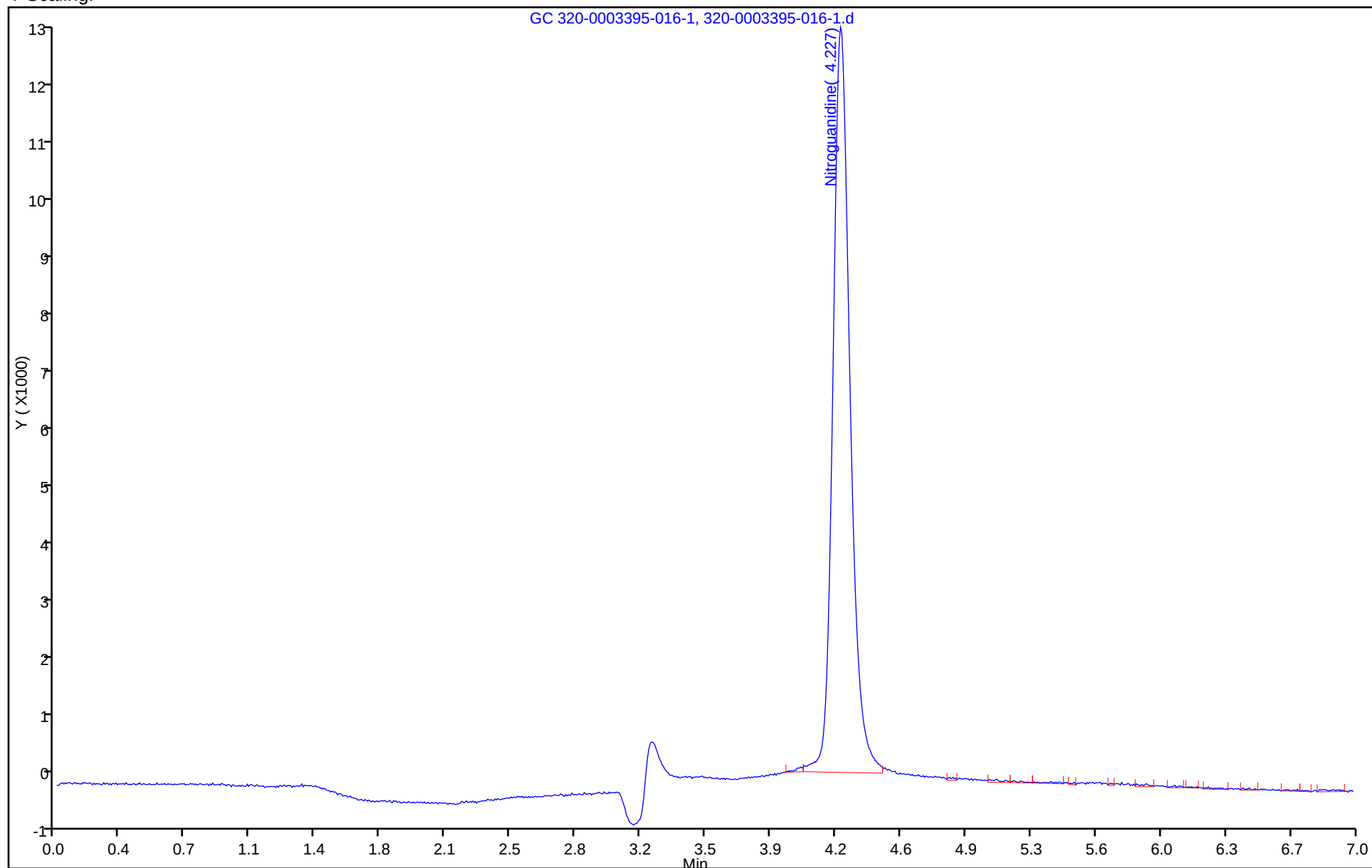
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

1 Nitroguanidine
4.227 4.273 -0.046 12807 267.5

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\PDA1\20130321-3395.b\320-0003395-016-1.d
Injection Date: 21-Mar-2013 13:45:00 Limit Group: LC 8330 Ngu ICAL
Client ID: Instrument ID: PDA1
Lims Batch ID: 12714 Lims Sample ID: 16
Operator ID: RN Injection Vol: 50.0 ul
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm

Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1
SDG No.: _____
Client Sample ID: 079-0007-0001-SOURCEWATER Lab Sample ID: 240-21987-1 MSD
Matrix: Water Lab File ID: 320-0003395-017-1.d
Analysis Method: 8330 Modified Date Collected: 03/14/2013 12:00
Extraction Method: Filtration Date Extracted: 03/19/2013 14:18
Sample wt/vol: 10 (mL) Date Analyzed: 03/21/2013 14:00
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 50 (uL) GC Column: Luna NH2 ID: 4.6 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 12714 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
556-88-7	Nitroguanidine	263		20	6.0	2.4

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\PDA1\20130321-3395.b\320-0003395-017-1.d
Lims ID: 240-21987-Q-1-D MSD Client ID:
Inject. Date: 21-Mar-2013 14:00:00 Dil. Factor: 1.0000
Sample Type: MSD
Sample ID: 320-0003395-010 Analysis
Misc. Info.: none LCS 320-4385/2-A
Operator: RN Instrument ID: PDA1
Injection Vol: 50.0 ul ALS Bottle#: 0
Lims Batch ID: 12714 Lims Sample ID: 17
Detector: GC 320-0003395-017-1

Method: \\SACChrom\ChromData\PDA1\20130321-3395.b\NGu Primary.m
Last Update: 21-Mar-2013 15:09:12 Calib Date: 14-Feb-2013 12:56:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\PDA1\20130214-2806.b\320-0002806-011-1.d
Limit Group: LC 8330 Ngu ICAL
Integrator: Falcon
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm
Process Host: XAWRK014

First Level Reviewer: noonanr

Date: 21-Mar-2013 14:15:30

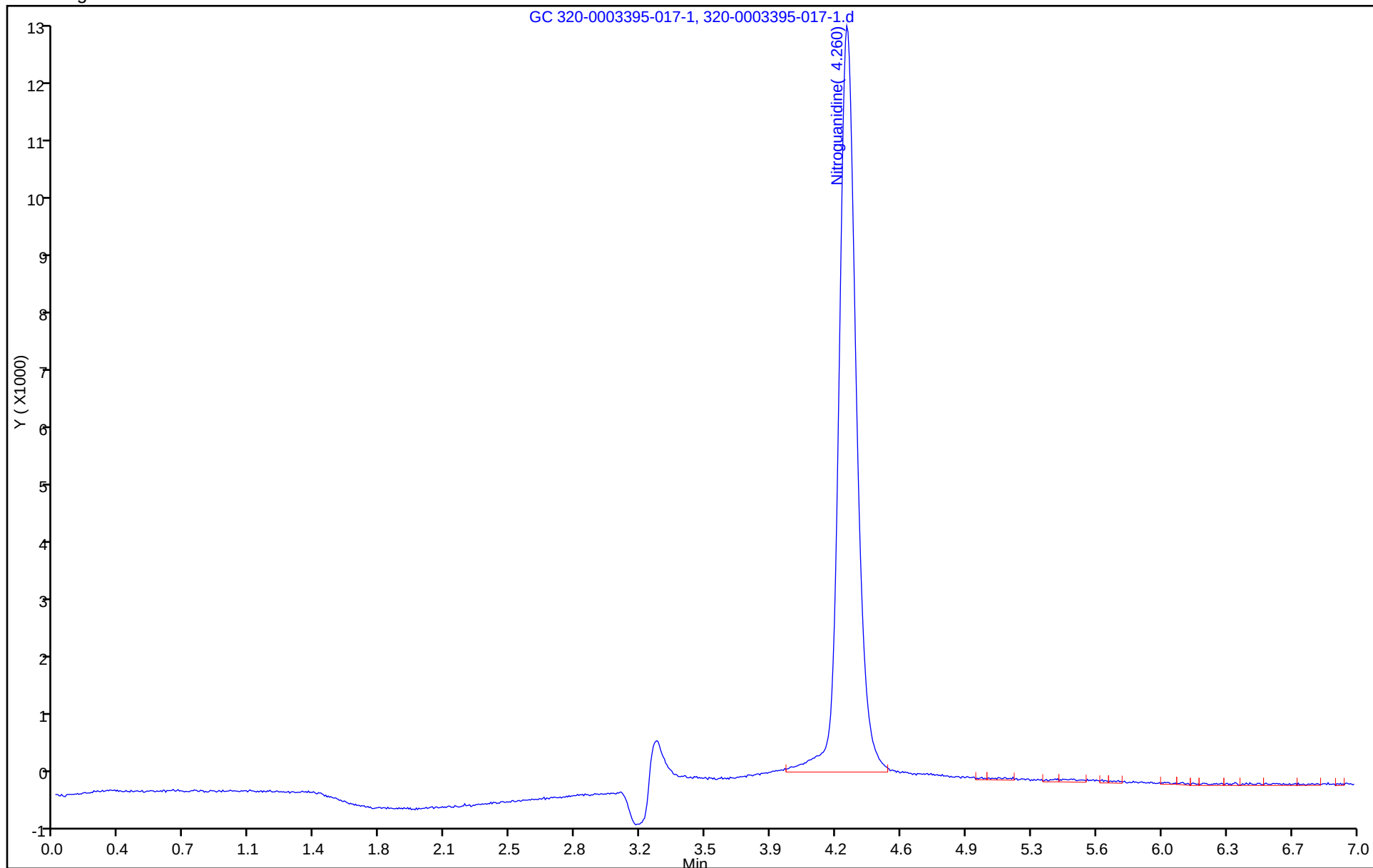
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

1 Nitroguanidine
4.260 4.273 -0.013 12576 262.7

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\PDA1\20130321-3395.b\320-0003395-017-1.d
Injection Date: 21-Mar-2013 14:00:00 Limit Group: LC 8330 Ngu ICAL
Client ID: Instrument ID: PDA1
Lims Batch ID: 12714 Lims Sample ID: 17
Operator ID: RN Injection Vol: 50.0 ul
Column Type: Luna 5u NH2 100A Column Dia: 4.60 mm

Y Scaling:



HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1

SDG No.: _____

Instrument ID: PDA1 Start Date: 10/19/2012 14:58Analysis Batch Number: 4779 End Date: 10/19/2012 18:56

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		10/19/2012 14:58	1		Hydro RP80A 4 4 (mm)
ZZZZZ		10/19/2012 15:18	1		Hydro RP80A 4 4 (mm)
EB 320-4779/3 ICB		10/19/2012 15:38	1		Hydro RP80A 4 4 (mm)
STD02 320-4779/4 IC		10/19/2012 15:58	1	HPNQL2_00003002 -1.d	Hydro RP80A 4 4 (mm)
STD03 320-4779/5 IC		10/19/2012 16:18	1	HPNQL3_00003001 -1.d	Hydro RP80A 4 4 (mm)
STD04 320-4779/6 IC		10/19/2012 16:37	1	HPNQL4_00003001 -1.d	Hydro RP80A 4 4 (mm)
STD05 320-4779/7 IC		10/19/2012 16:57	1	HPNQL5_00003001 -1.d	Hydro RP80A 4 4 (mm)
STD06 320-4779/8 IC		10/19/2012 17:17	1	HPNQL6_00003001 -1.d	Hydro RP80A 4 4 (mm)
STD07 320-4779/9 IC		10/19/2012 17:37	1	HPNQL7_00003001 -1.d	Hydro RP80A 4 4 (mm)
EB 320-4779/10 CCB		10/19/2012 17:57	1		Hydro RP80A 4 4 (mm)
ICV 320-4779/11		10/19/2012 18:17	1	HPNQIC_00002;00 2-1.d	Hydro RP80A 4 4 (mm)
LODV 320-4779/12		10/19/2012 18:36	1		Hydro RP80A 4 4 (mm)
CCVL 320-4779/13		10/19/2012 18:56	1	HPNQL2_00003003 -1.d	Hydro RP80A 4 4 (mm)

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1

SDG No.: _____

Instrument ID: PDA1 Start Date: 02/14/2013 11:30Analysis Batch Number: 10482 End Date: 02/14/2013 13:53

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		02/14/2013 11:30	1		Luna NH2 4.6 (mm)
STD02 320-10482/6 IC		02/14/2013 11:44	1	320-0002806-006 -1.d	Luna NH2 4.6 (mm)
STD03 320-10482/7 IC		02/14/2013 11:58	1	320-0002806-007 -1.d	Luna NH2 4.6 (mm)
STD04 320-10482/8 IC		02/14/2013 12:13	1	320-0002806-008 -1.d	Luna NH2 4.6 (mm)
STD05 320-10482/9 IC		02/14/2013 12:27	1	320-0002806-009 -1.d	Luna NH2 4.6 (mm)
STD06 320-10482/10 IC		02/14/2013 12:41	1	320-0002806-010 -1.d	Luna NH2 4.6 (mm)
STD07 320-10482/11 IC		02/14/2013 12:56	1	320-0002806-011 -1.d	Luna NH2 4.6 (mm)
ZZZZZ		02/14/2013 13:10	1		Luna NH2 4.6 (mm)
ICV 320-10482/13		02/14/2013 13:24	1		Luna NH2 4.6 (mm)
LODV 320-10482/14		02/14/2013 13:39	1	320-0002806-014 -1.d	Luna NH2 4.6 (mm)
CCVL 320-10482/15		02/14/2013 13:53	1	320-0002806-015 -1.d	Luna NH2 4.6 (mm)

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1

SDG No.: _____

Instrument ID: PDA1 Start Date: 03/21/2013 11:03Analysis Batch Number: 12714 End Date: 03/21/2013 14:30

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 320-12714/4		03/21/2013 11:03	1	320-0003395-004 -1.d	Luna NH2 4.6 (mm)
CCVL 320-12714/12		03/21/2013 12:46	1	320-0003395-011 -1.d	Luna NH2 4.6 (mm)
MB 320-12568/1-A		03/21/2013 13:01	1	320-0003395-013 -1.d	Luna NH2 4.6 (mm)
LCS 320-12568/2-A		03/21/2013 13:16	1	320-0003395-014 -1.d	Luna NH2 4.6 (mm)
240-21987-1	079-0007-0001-SOURCEW ATER	03/21/2013 13:31	1	320-0003395-015 -1.d	Luna NH2 4.6 (mm)
240-21987-1 MS	079-0007-0001-SOURCEW ATER MS	03/21/2013 13:45	1	320-0003395-016 -1.d	Luna NH2 4.6 (mm)
240-21987-1 MSD	079-0007-0001-SOURCEW ATER MSD	03/21/2013 14:00	1	320-0003395-017 -1.d	Luna NH2 4.6 (mm)
CCV 320-12714/11		03/21/2013 14:15	1	320-0003395-011 001-1.d	Luna NH2 4.6 (mm)
CCVL 320-12714/18		03/21/2013 14:30	1	320-0003395-018 -1.d	Luna NH2 4.6 (mm)

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1

SDG No.: _____

Instrument ID: PDA1 Start Date: 03/22/2013 14:31Analysis Batch Number: 12878 End Date: 03/22/2013 16:33

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
LODV 320-12878/3		03/22/2013 14:31	1	320-0003448-003 -1.d	Hydro RP80A 4 4 (mm)
CCV 320-12878/4		03/22/2013 14:51	1	320-0003448-004 -1.d	Hydro RP80A 4 4 (mm)
CCVL 320-12878/5		03/22/2013 15:12	1	320-0003448-005 -1.d	Hydro RP80A 4 4 (mm)
MB 320-12568/1-A		03/22/2013 15:32	1	320-0003448-006 -1.d	Hydro RP80A 4 4 (mm)
240-21987-1	079-0007-0001-SOURCEW ATER	03/22/2013 15:53	1	320-0003448-007 -1.d	Hydro RP80A 4 4 (mm)
CCV 320-12878/8		03/22/2013 16:13	1	320-0003448-008 -1.d	Hydro RP80A 4 4 (mm)
CCVL 320-12878/9		03/22/2013 16:33	1	320-0003448-009 -1.d	Hydro RP80A 4 4 (mm)

HPLC/IC BATCH WORKSHEET

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1

SDG No.: _____

Batch Number: 12568 Batch Start Date: 03/19/13 14:18 Batch Analyst: Arauz, HoracioBatch Method: Filtration Batch End Date: 03/19/13 14:40

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	HPNQSP 00006			
MB 320-12568/1		Filtration, 8330 Modified		10 mL	10 mL				
LCS 320-12568/2		Filtration, 8330 Modified		10 mL	10 mL	50 uL			
240-21987-Q-1	079-0007-0001-SO URCEWATER	Filtration, 8330 Modified	T	10 mL	10 mL				
240-21987-Q-1 MS	079-0007-0001-SO URCEWATER	Filtration, 8330 Modified	T	10 mL	10 mL	50 uL			
240-21987-Q-1 MSD	079-0007-0001-SO URCEWATER	Filtration, 8330 Modified	T	10 mL	10 mL	50 uL			

Batch Notes	
Batch Comment	Millipore water dispensed 3-11-13
Filter Lot #	.45um Millipore R2DA02309

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.

Method 8330B

Nitroaromatics and Nitramines (HPLC)
by Method 8330B

FORM II
HPLC/IC SURROGATE RECOVERY

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1

SDG No.: _____

Matrix: Water Level: Low

GC Column (1): Synergi C18 ID: 4.6 (mm)

Client Sample ID	Lab Sample ID	DNT1 #
079-0007-0001-SOUR CEWATER	240-21987-1	86 M
	MB 320-12565/1-A	87
	LCS 320-12565/2-A	87

DNT = 3,4-Dinitrotoluene

QC LIMITS
79-111

Column to be used to flag recovery values

FORM II 8330B

FORM III
HPLC/IC LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: U000006.D
 Lab ID: LCS 320-12565/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,3,5-Trinitrobenzene	1.00	1.03	103	74-120	
1,3-Dinitrobenzene	1.00	1.05	105	72-123	
2,4,6-Trinitrotoluene	1.00	0.901	90	69-111	
2,4-Dinitrotoluene	1.00	0.977	98	70-119	
2,6-Dinitrotoluene	1.00	0.969	97	71-119	
2-Amino-4,6-dinitrotoluene	1.00	0.987	99	77-123	
2-Nitrotoluene	1.00	0.930	93	64-120	
3-Nitrotoluene	1.00	0.918	92	67-114	
4-Nitrotoluene	1.00	0.933	93	67-115	
4-Amino-2,6-dinitrotoluene	1.00	0.983	98	68-113	
HMX	1.00	1.02	102	67-115	
RDX	1.00	1.06	106	68-122	
Nitrobenzene	1.00	1.01	101	69-119	
Tetryl	1.00	0.881	88	66-105	
Nitroglycerin	5.00	4.65	93	85-115	
PETN	5.00	4.46	89	84-117	

Column to be used to flag recovery and RPD values

FORM IV
HPLC/IC METHOD BLANK SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1
SDG No.: _____
Lab Sample ID: MB 320-12565/1-A
Matrix: Water Date Extracted: 03/19/2013 13:52
Lab File ID: (1) U000005.D Lab File ID: (2) _____
Date Analyzed: (1) 03/21/2013 12:51 Date Analyzed: (2) _____
Instrument ID: (1) LC10 Instrument ID: (2) _____
GC Column: (1) Synergi C18 ID: 4.6 (mm) GC Column: (2) _____ ID: _____

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 320-12565/2-A	03/21/2013 13:31	
079-0007-0001-SOURCEWATER	240-21987-1	03/21/2013 14:11	

FORM VIII
HPLC/IC ANALYTICAL SEQUENCE

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1
 SDG No.: _____
 Sample No.: CCV 320-12703/3 Date Analyzed: 03/21/2013 11:30
 Instrument ID: LC10 GC Column: Synergi C18 ID: 4.6 (mm)
 Lab File ID (Standard): U000003.D Heated Purge: (Y/N) N
 Calibration ID: 1928

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSS IS GIVEN BELOW:

				DNT		
				RT #		
CONTINUING CALIBRATION SURROGATE				16.66		
UPPER LIMIT				16.91		
LOWER LIMIT				16.41		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 320-12703/3 CCVRT		03/21/2013 11:30	U000003.D	16.66		
CCVL 320-12703/4		03/21/2013 12:11	U000004.D	16.65		
MB 320-12565/1-A		03/21/2013 12:51	U000005.D	16.75		
LCS 320-12565/2-A		03/21/2013 13:31	U000006.D	16.77		
240-21987-1	079-0007-0001-SOURCEW ATER	03/21/2013 14:11	U000007.D	16.78		

DNT = 3,4-Dinitrotoluene

DNT RT Limit = $\pm$ 0.25 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII
HPLC/IC ANALYTICAL SEQUENCE

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1
 SDG No.: _____
 Sample No.: CCV 320-12703/14 Date Analyzed: 03/21/2013 18:52
 Instrument ID: LC10 GC Column: Synergi C18 ID: 4.6 (mm)
 Lab File ID (Standard): U000014.D Heated Purge: (Y/N) N
 Calibration ID: 1928

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSS IS GIVEN BELOW:

				DNT		
				RT #		
CONTINUING CALIBRATION SURROGATE				16.66		
UPPER LIMIT				16.91		
LOWER LIMIT				16.41		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 320-12703/14 CCVRT		03/21/2013 18:52	U000014.D	16.66		
CCVL 320-12703/15		03/21/2013 19:32	U000015.D	16.71		

DNT = 3,4-Dinitrotoluene

DNT RT Limit = $\pm$ 0.25 minutes of surrogate RT

Column used to flag values outside QC limits

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1
 SDG No.: _____
 Client Sample ID: 079-0007-0001-SOURCEWATER Lab Sample ID: 240-21987-1
 Matrix: Water Lab File ID: U000007.D
 Analysis Method: 8330B Date Collected: 03/14/2013 12:00
 Extraction Method: 8330-Prep Date Extracted: 03/19/2013 13:52
 Sample wt/vol: 977.9(mL) Date Analyzed: 03/21/2013 14:11
 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.: 12703 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
99-35-4	1,3,5-Trinitrobenzene	0.051	U	0.10	0.051	0.032
99-65-0	1,3-Dinitrobenzene	0.10	U	0.10	0.10	0.051
118-96-7	2,4,6-Trinitrotoluene	0.10	U	0.10	0.10	0.051
121-14-2	2,4-Dinitrotoluene	0.10	U	0.10	0.10	0.051
606-20-2	2,6-Dinitrotoluene	0.10	U	0.10	0.10	0.051
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	0.51	0.10	0.090
99-08-1	3-Nitrotoluene	0.10	U	0.51	0.10	0.058
99-99-0	4-Nitrotoluene	0.10	U	0.51	0.10	0.090
19406-51-0	4-Amino-2,6-dinitrotoluene	0.10	U	0.10	0.10	0.051
2691-41-0	HMX	0.051	U	0.10	0.051	0.037
121-82-4	RDX	0.051	U	0.10	0.051	0.037
98-95-3	Nitrobenzene	0.10	U	0.10	0.10	0.051
479-45-8	Tetryl	0.10	U	0.10	0.10	0.051
55-63-0	Nitroglycerin	0.51	U	0.66	0.51	0.34
78-11-5	PETN	0.51	U	0.66	0.51	0.31

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	86	M	79-111

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130321-3391.b\U000007.D
Lims ID: 240-21987-Q-1-A Client ID: 079-0007-0001-SOURCEWATER
Inject. Date: 21-Mar-2013 14:11:39 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 320-0003391-007
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 13
Lims Batch ID: 12703 Lims Sample ID: 7
Method: \\SACChrom\ChromData\LC10\20130321-3391.b\8330_LC10.m
Last Update: 21-Mar-2013 15:28:01 Calib Date: 09-Jan-2013 16:30:35
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20130108-2133.b\I000011.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK014

First Level Reviewer: noonanr

Date: 21-Mar-2013 15:29:03

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

11 HMX

1 5.290 5.208 0.082 209 1.61

\$ 30 3,4-Dinitrotoluene M

1 16.776 16.651 0.125 6229 106.9 M

2 16.773 16.648 0.125 12226 112.4

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 21-Mar-2013 15:29:03

Chrom Revision: 2.1 18-Mar-2013 20:34:14

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130321-3391.b\U000007.D

Injection Date: 21-Mar-2013 14:11:39 Limit Group: LC 8330B ICAL

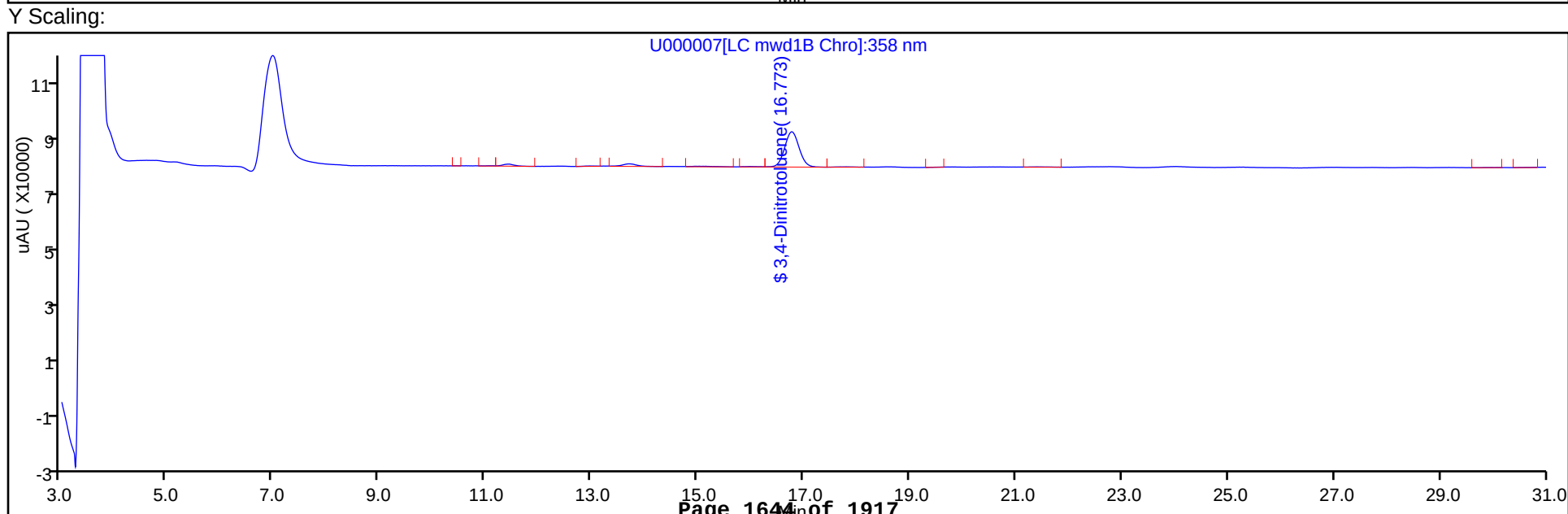
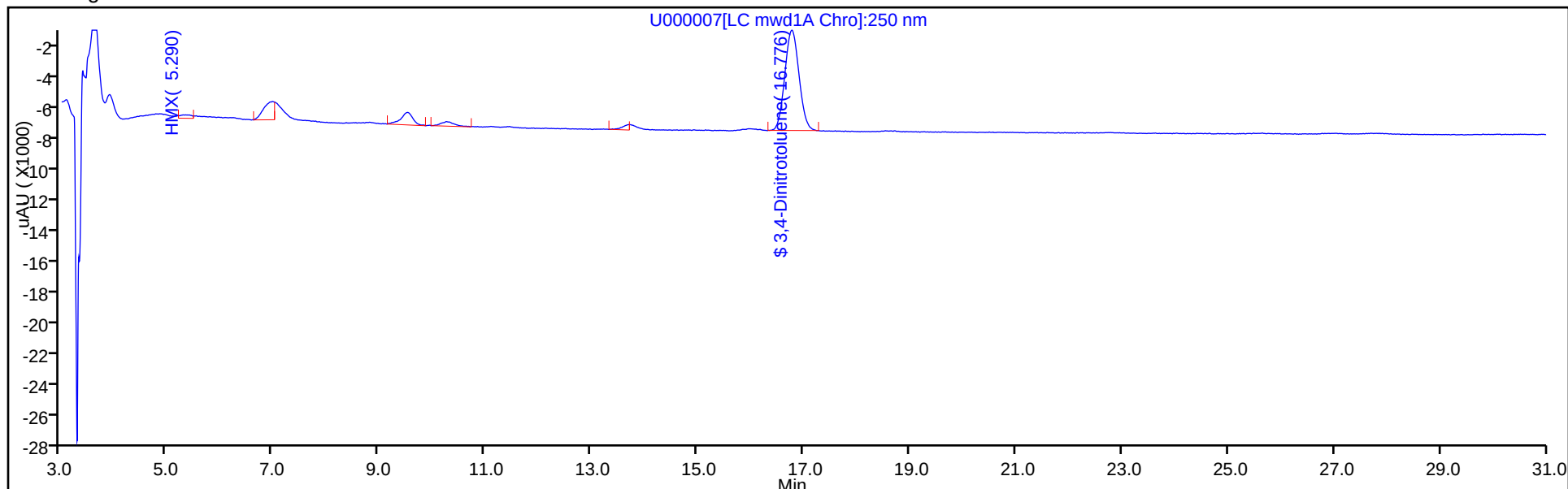
Client ID: 079-0007-0001-SOURCEWATER Instrument ID: LC10

Lims Batch ID: 12703 Lims Sample ID: 7

Operator ID: RN Injection Vol: 500.0 ul

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

Y Scaling:



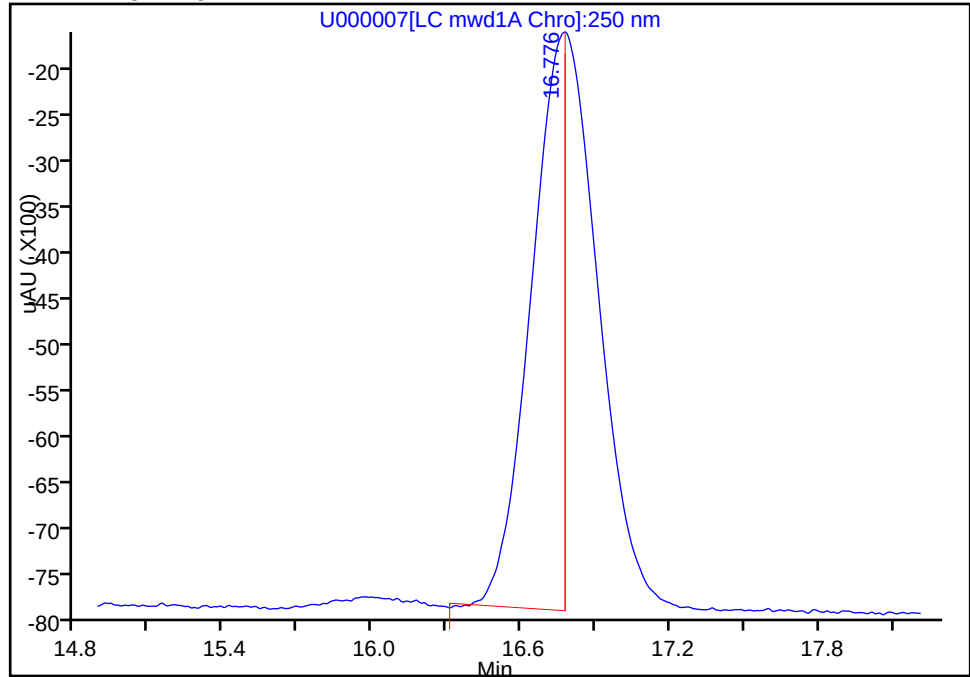
TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130321-3391.b\U000007.D
Injection Date: 21-Mar-2013 14:11:39 Limit Group: LC 8330B ICAL
Client ID: 079-0007-0001-SOURCEWATER Instrument ID: LC10
Lims Batch ID: 12703 Lims Sample ID: 7
Operator ID: RN Injection Vol: 500.0 ul
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm

\$ 30 3,4-Dinitrotoluene, Signal: 1, Type: quant, RT: 16.65, Det: LC mwd1A

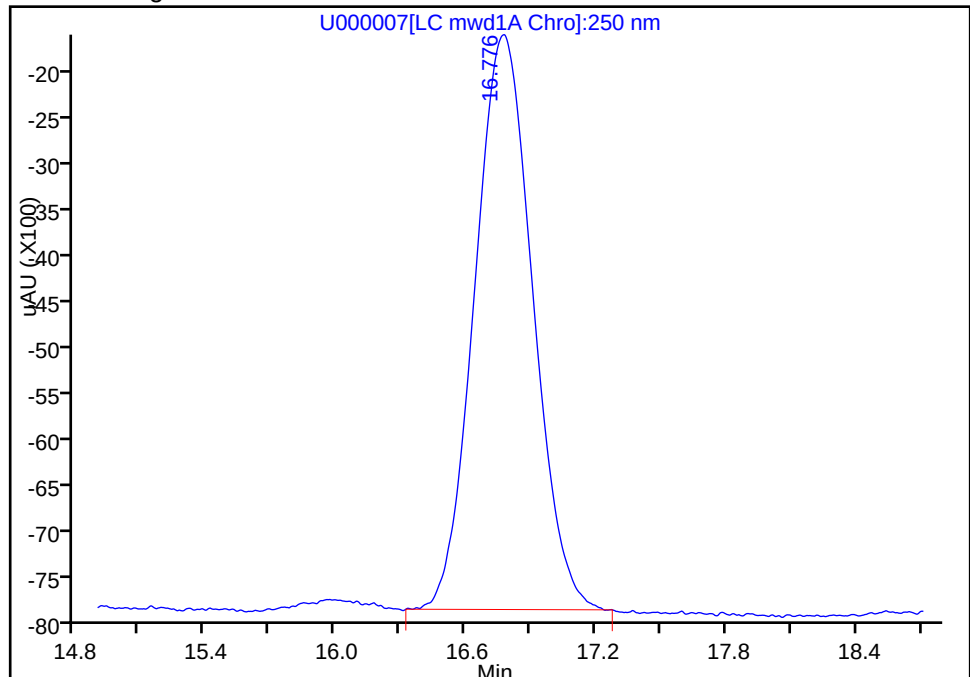
RT: 16.78
Response: 6272
Amount: 107.6748

Processing Integration Results



RT: 16.78
Response: 6229
Amount: 106.9366

Manual Integration Results



Reviewer: noonanr, 21-Mar-2013 15:28:01
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1 Analy Batch No.: 8413

SDG No.: _____

Instrument ID: LC10 GC Column: Synergi C18 ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/09/2013 11:49 Calibration End Date: 01/09/2013 16:30 Calibration ID: 1928

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 320-8413/2	I000004.D
Level 2	STD02 320-8413/3	I000005.D
Level 3	STD03 320-8413/4	I000006.D
Level 4	STD04 320-8413/5	I000007.D
Level 5	STD05 320-8413/6	I000008.D
Level 6	STD06 320-8413/7	I000009.D
Level 7	STD07 320-8413/8	I000010.D
Level 8	STD08 320-8413/9	I000011.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7	LVL 8			RT WINDOW	AVG RT
HMX	5.223	5.220	5.224	5.219	5.220	5.214	5.215	5.194			4.970 - 5.470	5.216
RDX	7.496	7.487	7.501	7.489	7.490	7.488	7.478	7.441			7.240 - 7.740	7.484
Ethylene glycol dinitrate	8.179	8.180	8.188	8.179	8.177	8.174	8.168	8.148			7.927 - 8.427	8.174
Picric acid	8.586	8.587	8.588	8.565	8.560	8.531	8.485	8.401			8.310 - 8.810	8.538
1,3,5-Trinitrobenzene	9.826	9.823	9.824	9.815	9.817	9.818	9.812	9.784			9.567 - 10.067	9.815
1,3-Dinitrobenzene	12.443	12.424	12.428	12.416	12.410	12.421	12.408	12.371			12.160 - 12.660	12.415
3,5-Dinitroaniline	13.180	13.154	13.161	13.149	13.144	13.165	13.148	13.101			12.894 - 13.394	13.150
Tetryl	13.566	13.560	13.575	13.549	13.554	13.571	13.565	+++++			13.304 - 13.804	13.563
Nitrobenzene	14.180	14.134	14.151	14.132	14.124	14.141	14.128	14.085			13.874 - 14.374	14.134
Nitroglycerin	+++++	+++++	14.775	14.756	14.750	14.771	14.765	14.731			14.500 - 15.000	14.758
2,4,6-Trinitrotoluene	15.660	15.640	15.655	15.642	15.637	15.658	15.655	15.621			15.387 - 15.887	15.646
4-Amino-2,6-dinitrotoluene	16.190	16.170	16.165	16.152	16.147	16.175	16.162	16.115			15.897 - 16.397	16.160
2-Amino-4,6-dinitrotoluene	17.186	17.124	17.135	17.112	17.107	17.135	17.125	17.075			16.857 - 17.357	17.125
2,6-Dinitrotoluene	18.726	18.737	18.728	18.706	18.694	18.718	18.715	18.675			18.444 - 18.944	18.712
2,4-Dinitrotoluene	19.383	19.350	19.358	19.342	19.330	19.355	19.352	19.311			19.080 - 19.580	19.348
2-Nitrotoluene	22.680	22.644	22.648	22.636	22.624	22.645	22.648	22.605			22.374 - 22.874	22.641
4-Nitrotoluene	24.300	24.307	24.305	24.306	24.274	24.298	24.302	24.265			24.024 - 24.524	24.295
3-Nitrotoluene	26.140	26.174	26.161	26.152	26.127	26.148	26.155	26.121			25.877 - 26.377	26.147
PETN	+++++	+++++	28.448	28.462	28.410	28.445	28.465	28.451			28.160 - 28.660	28.447
3,4-Dinitrotoluene	16.670	16.614	16.621	16.599	16.600	16.628	16.615	16.568			16.350 - 16.850	16.614

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1 Analy Batch No.: 8413

SDG No.: _____

Instrument ID: LC10 GC Column: Synergi C18 ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/09/2013 11:49 Calibration End Date: 01/09/2013 16:30 Calibration ID: 1928

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 320-8413/2	I000004.D
Level 2	STD02 320-8413/3	I000005.D
Level 3	STD03 320-8413/4	I000006.D
Level 4	STD04 320-8413/5	I000007.D
Level 5	STD05 320-8413/6	I000008.D
Level 6	STD06 320-8413/7	I000009.D
Level 7	STD07 320-8413/8	I000010.D
Level 8	STD08 320-8413/9	I000011.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4 LVL 8		B	M1	M2								
HMx	129.40 140.56	134.60 131.61	130.90 127.20	129.22 113.06	Ave		129.569125				6.1		20.0			
RDX	114.20 97.590	103.30 88.730	96.150 82.372	92.120 67.728	Ave		92.7737500				15.0		20.0			
Ethylene glycol dinitrate	121.00 122.01	109.10 115.20	106.75 106.27	117.56 91.434	Ave		111.164375				9.1		20.0			
Picric acid	123.20 127.16	117.25 121.11	116.84 114.01	133.67 97.904	Ave		118.893000				8.9		20.0			
1,3,5-Trinitrobenzene	174.80 181.75	177.70 169.90	171.70 162.79	168.06 144.14	Ave		168.853750				6.9		20.0			
1,3-Dinitrobenzene	171.20 180.10	175.70 167.57	169.75 159.15	166.58 138.49	Ave		166.066375				7.7		20.0			
3,5-Dinitroaniline	111.80 114.13	113.90 106.48	109.05 101.14	105.92 87.623	Ave		106.254750				8.2		20.0			
Tetryl	85.200 89.270	86.800 84.170	83.150 82.562	81.800 +++++	Ave		84.7074286				3.1		20.0			
Nitrobenzene	78.000 79.460	77.200 73.955	76.100 70.288	73.580 61.288	Ave		73.7338750				7.9		20.0			
Nitroglycerin	+++++ 73.910	+++++ 70.210	75.600 68.668	68.940 63.097	Ave		70.0708333				6.3		20.0			
2,4,6-Trinitrotoluene	91.400 97.130	93.300 91.480	91.200 89.336	89.300 83.397	Ave		90.8178750				4.3		20.0			
4-Amino-2,6-dinitrotoluene	85.200 87.180	84.900 81.890	82.200 79.320	80.600 71.837	Ave		81.6408750				5.8		20.0			
2-Amino-4,6-dinitrotoluene	87.400 92.500	89.900 86.665	87.100 83.586	86.060 75.025	Ave		86.0295000				6.0		20.0			
2,6-Dinitrotoluene	63.600 65.400	63.500 61.140	60.550 59.620	60.360 54.791	Ave		61.1201250				5.3		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1 Analy Batch No.: 8413

SDG No.: _____

Instrument ID: LC10 GC Column: Synergi C18 ID: 4.6 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/09/2013 11:49 Calibration End Date: 01/09/2013 16:30 Calibration ID: 1928

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4 LVL 8		B	M1	M2								
2,4-Dinitrotoluene	101.80 106.55	102.10 99.950	99.200 97.382	97.840 89.663	Ave		99.3106250				4.9		20.0			
2-Nitrotoluene	46.600 46.340	44.600 43.290	43.550 42.202	42.540 38.850	Ave		43.4965000				5.7		20.0			
4-Nitrotoluene	54.600 55.480	52.700 52.125	52.150 50.976	50.840 47.265	Ave		52.0170000				4.8		20.0			
3-Nitrotoluene	57.000 56.910	55.700 53.505	53.100 52.360	52.100 48.879	Ave		53.6942500				5.1		20.0			
PETN	+++++ 42.350	+++++ 40.105	39.850 39.052	38.660 38.241	Ave		39.7096667				3.7		20.0			
3,4-Dinitrotoluene	59.600 59.680	60.300 56.905	56.550 59.237	56.360 57.364	Ave		58.2494583				2.8		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1 Analy Batch No.: 8413

SDG No.: _____

Instrument ID: LC10 GC Column: Synergi C18 ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/09/2013 11:49 Calibration End Date: 01/09/2013 16:30 Calibration ID: 1928

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 320-8413/2	I000004.D
Level 2	STD02 320-8413/3	I000005.D
Level 3	STD03 320-8413/4	I000006.D
Level 4	STD04 320-8413/5	I000007.D
Level 5	STD05 320-8413/6	I000008.D
Level 6	STD06 320-8413/7	I000009.D
Level 7	STD07 320-8413/8	I000010.D
Level 8	STD08 320-8413/9	I000011.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
HMX	Ave	647 26322	1346 63600	2618 113063	6461	14056	5.00 200	10.0 500	20.0 1000	50.0	100
RDX	Ave	571 17746	1033 41186	1923 67728	4606	9759	5.00 200	10.0 500	20.0 1000	50.0	100
Ethylene glycol dinitrate	Ave	605 23039	1091 53133	2135 91434	5878	12201	5.00 200	10.0 500	20.0 1000	50.0	100
Picric acid	Ave	1232 60554	2345 114012	5842 195808	13367	25432	10.0 500	20.0 1000	50.0 2000	100	200
1,3,5-Trinitrobenzene	Ave	874 33979	1777 81393	3434 144139	8403	18175	5.00 200	10.0 500	20.0 1000	50.0	100
1,3-Dinitrobenzene	Ave	856 33514	1757 79573	3395 138485	8329	18010	5.00 200	10.0 500	20.0 1000	50.0	100
3,5-Dinitroaniline	Ave	559 21295	1139 50570	2181 87623	5296	11413	5.00 200	10.0 500	20.0 1000	50.0	100
Tetryl	Ave	426 16834	868 41281	1663 +++++	4090	8927	5.00 200	10.0 500	20.0 +++++	50.0	100
Nitrobenzene	Ave	390 14791	772 35144	1522 61288	3679	7946	5.00 200	10.0 500	20.0 1000	50.0	100
Nitroglycerin	Ave	+++++ 14042	+++++ 34334	1512 63097	3447	7391	+++++ 200	+++++ 500	20.0 1000	50.0	100
2,4,6-Trinitrotoluene	Ave	457 18296	933 44668	1824 83397	4465	9713	5.00 200	10.0 500	20.0 1000	50.0	100
4-Amino-2,6-dinitrotoluene	Ave	426 16378	849 39660	1644 71837	4030	8718	5.00 200	10.0 500	20.0 1000	50.0	100
2-Amino-4,6-dinitrotoluene	Ave	437 17333	899 41793	1742 75025	4303	9250	5.00 200	10.0 500	20.0 1000	50.0	100
2,6-Dinitrotoluene	Ave	318 12228	635 29810	1211 54791	3018	6540	5.00 200	10.0 500	20.0 1000	50.0	100
2,4-Dinitrotoluene	Ave	509 19990	1021 48691	1984 89663	4892	10655	5.00 200	10.0 500	20.0 1000	50.0	100

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1 Analy Batch No.: 8413

SDG No.: _____

Instrument ID: LC10 GC Column: Synergi C18 ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/09/2013 11:49 Calibration End Date: 01/09/2013 16:30 Calibration ID: 1928

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
2-Nitrotoluene	Ave	233 8658	446 21101	871 38850	2127	4634	5.00 200	10.0 500	20.0 1000	50.0	100
4-Nitrotoluene	Ave	273 10425	527 25488	1043 47265	2542	5548	5.00 200	10.0 500	20.0 1000	50.0	100
3-Nitrotoluene	Ave	285 10701	557 26180	1062 48879	2605	5691	5.00 200	10.0 500	20.0 1000	50.0	100
PETN	Ave	+++++ 8021	+++++ 19526	797 38241	1933	4235	+++++ 200	+++++ 500	20.0 1000	50.0	100
3,4-Dinitrotoluene	Ave	298 11381	603 17771	1131 28682	2818	5968	5.00 200	10.0 300	20.0 500	50.0	100

Curve Type Legend:

Ave = Average by Height

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130108-2133.b\I000004.D
 Lims ID: STD01 Client ID:
 Inject. Date: 09-Jan-2013 11:49:34 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID: 320-0002133-002
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 82
 Lims Batch ID: 8413 Lims Sample ID: 2
 Sublist: chrom-8330_LC10*sub1
 Method: \\SACChrom\ChromData\LC10\20130108-2133.b\8330_LC10.m
 Last Update: 11-Jan-2013 11:30:04 Calib Date: 09-Jan-2013 16:30:35
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20130108-2133.b\I000011.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK025

First Level Reviewer: noonanr

Date: 11-Jan-2013 11:30:04

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

11 HMX						
1	5.223	5.220	0.003	647	4.99	
19 RDX						
1	7.496	7.490	0.006	571	6.15	
3 Ethylene glycol dinitrate						
2	8.179	8.177	0.002	605	5.44	
10 2,4,6-Trinitrophenol						
2	8.586	8.560	0.026	1232	10.4	
1	8.593	8.560	0.033	951	11.2	
27 1,3,5-Trinitrobenzene						
1	9.826	9.817	0.009	874	5.18	
24 1,3-Dinitrobenzene						
1	12.443	12.410	0.033	856	5.15	
9 3,5-Dinitroaniline						
1	13.180	13.144	0.036	559	5.26	
20 Tetryl						
1	13.566	13.554	0.012	426	5.03	
5 Nitrobenzene						
1	14.180	14.124	0.056	390	5.29	
7 Nitroglycerin						
2	14.783	14.750	0.033	356	5.08	
25 2,4,6-Trinitrotoluene						
1	15.660	15.637	0.023	457	5.03	
26 4-Amino-2,6-dinitrotoluene						
1	16.190	16.147	0.043	426	5.22	
\$ 30 3,4-Dinitrotoluene						
1	16.670	16.600	0.070	298	5.12	
2	16.643	16.604	0.039	521	4.79	

Data File: \\SACChrom\ChromData\LC10\20130108-2133.b\I000004.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.186	17.107	0.079	437	5.08	
12 2,6-Dinitrotoluene						
1	18.726	18.694	0.032	318	5.20	
23 2,4-Dinitrotoluene						
1	19.383	19.330	0.053	509	5.13	
16 o-Nitrotoluene						
1	22.680	22.624	0.056	233	5.36	
15 p-Nitrotoluene						
1	24.300	24.274	0.026	273	5.25	
8 m-Nitrotoluene						
1	26.140	26.127	0.013	285	5.31	
21 PETN						
2	28.413	28.410	0.003	76	1.91	

Report Date: 11-Jan-2013 11:30:05

Chrom Revision: 2.1 03-Jan-2013 18:41:16

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20130108-2133.b\I000004.D

Injection Date: 09-Jan-2013 11:49:34

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 8413

Lims Sample ID: 2

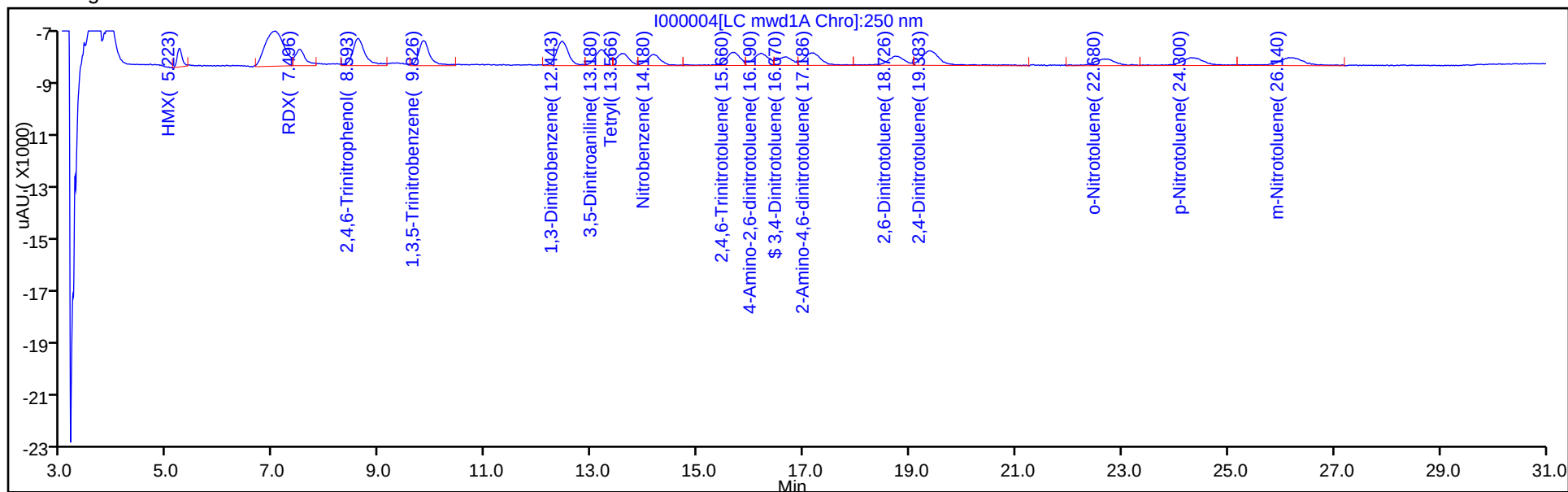
Operator ID: RN

Injection Vol: 500.0 ul

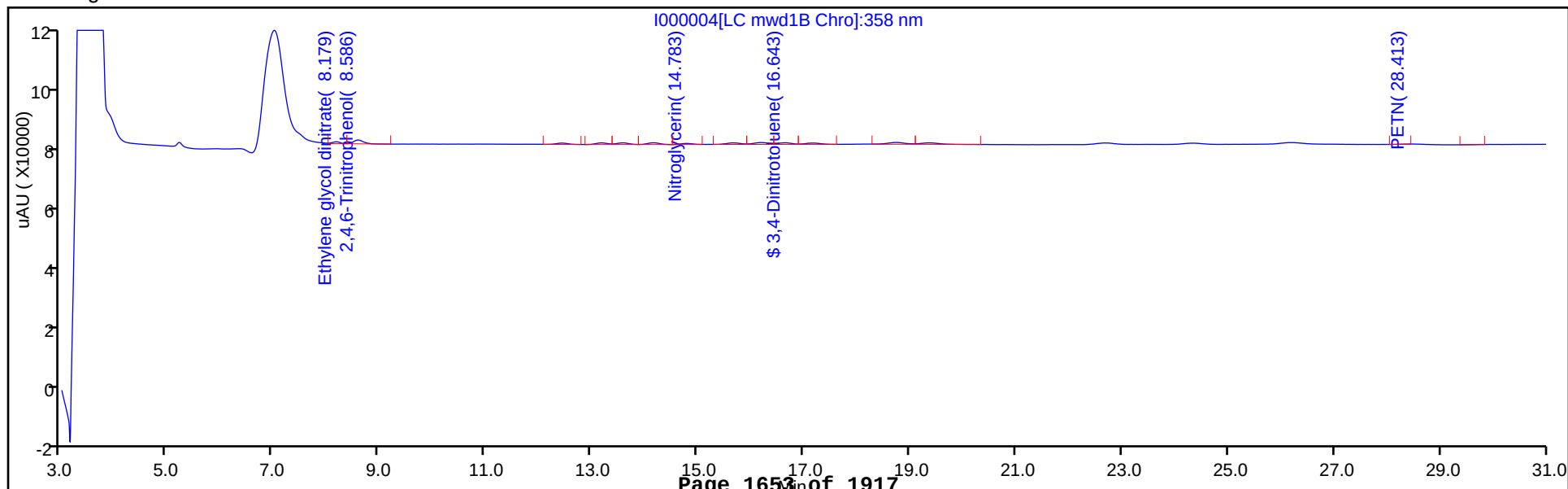
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130108-2133.b\I000005.D
 Lims ID: STD02 Client ID:
 Inject. Date: 09-Jan-2013 12:29:39 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID: 320-0002133-003
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 83
 Lims Batch ID: 8413 Lims Sample ID: 3
 Sublist: chrom-8330_LC10*sub1
 Method: \\SACChrom\ChromData\LC10\20130108-2133.b\8330_LC10.m
 Last Update: 11-Jan-2013 11:31:37 Calib Date: 09-Jan-2013 16:30:35
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20130108-2133.b\I000011.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK025

First Level Reviewer: noonanr

Date: 09-Jan-2013 14:35:03

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.220	5.209	0.011	1346	10.4	
19 RDX						
1	7.487	7.479	0.008	1033	11.1	
3 Ethylene glycol dinitrate						
2	8.180	8.169	0.011	1091	9.81	
10 2,4,6-Trinitrophenol						
2	8.587	8.482	0.105	2345	19.7	
1	8.583	8.482	0.101	1750	20.6	
27 1,3,5-Trinitrobenzene						
1	9.823	9.809	0.014	1777	10.5	
24 1,3-Dinitrobenzene						
1	12.424	12.406	0.018	1757	10.6	
9 3,5-Dinitroaniline						
1	13.154	13.143	0.011	1139	10.7	
20 Tetryl						
1	13.560	13.549	0.011	868	10.2	
5 Nitrobenzene						
1	14.134	14.123	0.011	772	10.5	
7 Nitroglycerin						
2	14.774	14.753	0.021	749	10.7	
25 2,4,6-Trinitrotoluene						
1	15.640	15.639	0.001	933	10.3	
26 4-Amino-2,6-dinitrotoluene						
1	16.170	16.146	0.024	849	10.4	
\$ 30 3,4-Dinitrotoluene						
1	16.614	16.600	0.014	603	10.4	
2	16.614	16.604	0.010	1147	10.5	

Data File: \\SACChrom\ChromData\LC10\20130108-2133.b\I000005.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.124	17.113	0.011	899	10.4	
12 2,6-Dinitrotoluene						
1	18.737	18.699	0.038	635	10.4	
23 2,4-Dinitrotoluene						
1	19.350	19.339	0.011	1021	10.3	
16 o-Nitrotoluene						
1	22.644	22.633	0.011	446	10.3	
15 p-Nitrotoluene						
1	24.307	24.286	0.021	527	10.1	
8 m-Nitrotoluene						
1	26.174	26.139	0.035	557	10.4	
21 PETN						
2	28.477	28.433	0.044	445	11.2	

Report Date: 11-Jan-2013 11:31:37

Chrom Revision: 2.1 03-Jan-2013 18:41:16

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20130108-2133.b\I000005.D

Injection Date: 09-Jan-2013 12:29:39

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 8413

Lims Sample ID: 3

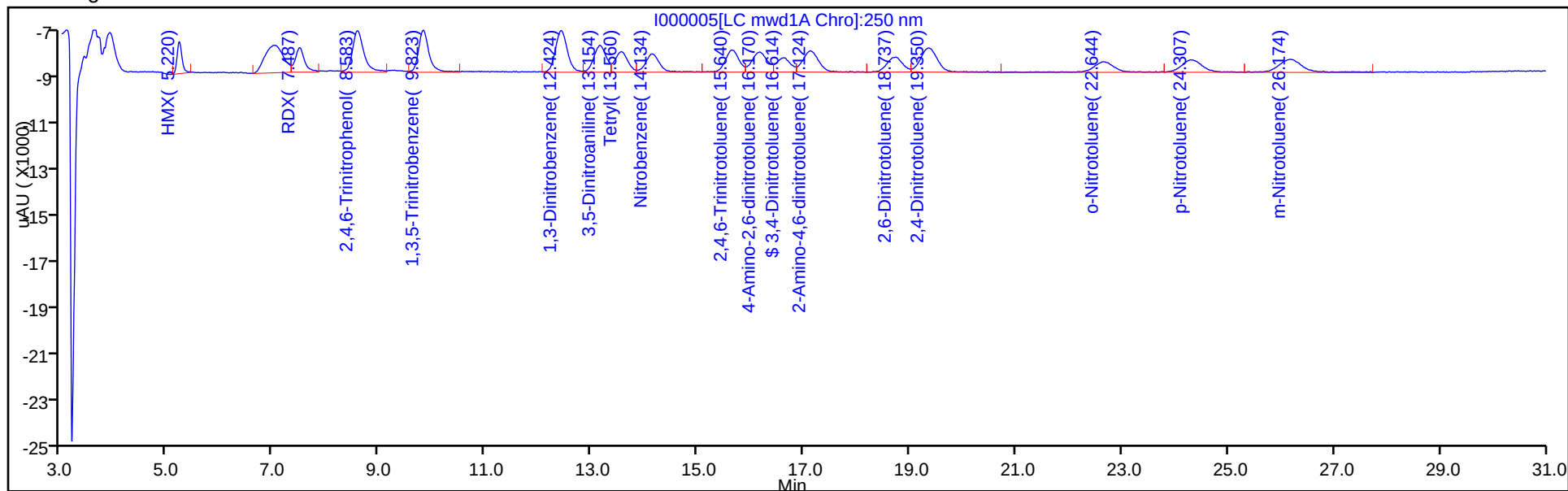
Operator ID: RN

Injection Vol: 500.0 ul

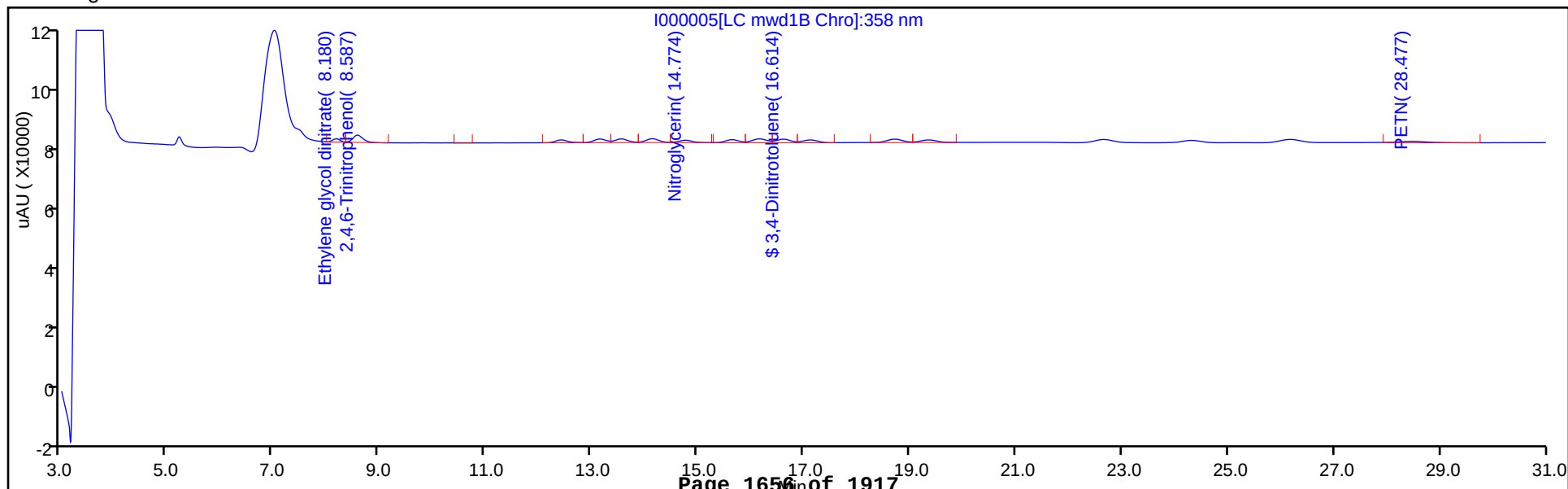
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130108-2133.b\I000006.D
 Lims ID: STD03 Client ID:
 Inject. Date: 09-Jan-2013 13:09:58 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 3
 Sample ID: 320-0002133-004
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 84
 Lims Batch ID: 8413 Lims Sample ID: 4
 Sublist: chrom-8330_LC10*sub1
 Method: \\SACChrom\ChromData\LC10\20130108-2133.b\8330_LC10.m
 Last Update: 11-Jan-2013 11:31:38 Calib Date: 09-Jan-2013 16:30:35
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20130108-2133.b\I000011.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK025

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.224	5.209	0.015	2618	20.2	
19 RDX						
1	7.501	7.479	0.022	1923	20.7	
3 Ethylene glycol dinitrate						
2	8.188	8.169	0.019	2135	19.2	
10 2,4,6-Trinitrophenol						
2	8.588	8.482	0.106	5842	49.1	
1	8.588	8.482	0.106	4259	50.2	
27 1,3,5-Trinitrobenzene						
1	9.824	9.809	0.015	3434	20.3	
24 1,3-Dinitrobenzene						
1	12.428	12.406	0.022	3395	20.4	
9 3,5-Dinitroaniline						
1	13.161	13.143	0.018	2181	20.5	
20 Tetryl						
1	13.575	13.549	0.026	1663	19.6	
5 Nitrobenzene						
1	14.151	14.123	0.028	1522	20.6	
7 Nitroglycerin						
2	14.775	14.753	0.022	1512	21.6	
25 2,4,6-Trinitrotoluene						
1	15.655	15.639	0.016	1824	20.1	
26 4-Amino-2,6-dinitrotoluene						
1	16.165	16.146	0.019	1644	20.1	
\$ 30 3,4-Dinitrotoluene						
1	16.621	16.600	0.021	1131	19.4	
2	16.621	16.604	0.017	2108	19.4	
6 2-Amino-4,6-dinitrotoluene						
1	17.135	17.113	0.022	1742		

Data File: \\SACChrom\ChromData\LC10\20130108-2133.b\I000006.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
12 2,6-Dinitrotoluene						
1	18.728	18.699	0.029	1211	19.8	
23 2,4-Dinitrotoluene						
1	19.358	19.339	0.019	1984	20.0	
16 o-Nitrotoluene						
1	22.648	22.633	0.015	871	20.0	
15 p-Nitrotoluene						
1	24.305	24.286	0.019	1043	20.1	
8 m-Nitrotoluene						
1	26.161	26.139	0.022	1062	19.8	
21 PETN						
2	28.448	28.433	0.015	797	20.1	

Report Date: 11-Jan-2013 11:31:38

Chrom Revision: 2.1 03-Jan-2013 18:41:16

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20130108-2133.b\I000006.D

Injection Date: 09-Jan-2013 13:09:58

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 8413

Lims Sample ID: 4

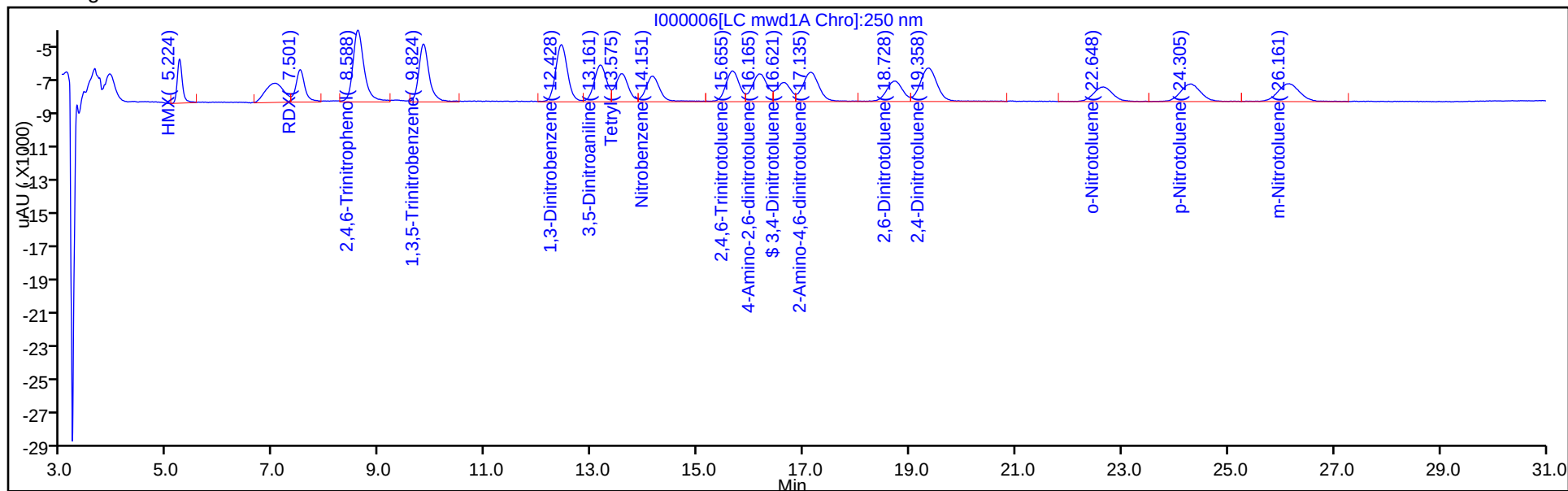
Operator ID: RN

Injection Vol: 500.0 ul

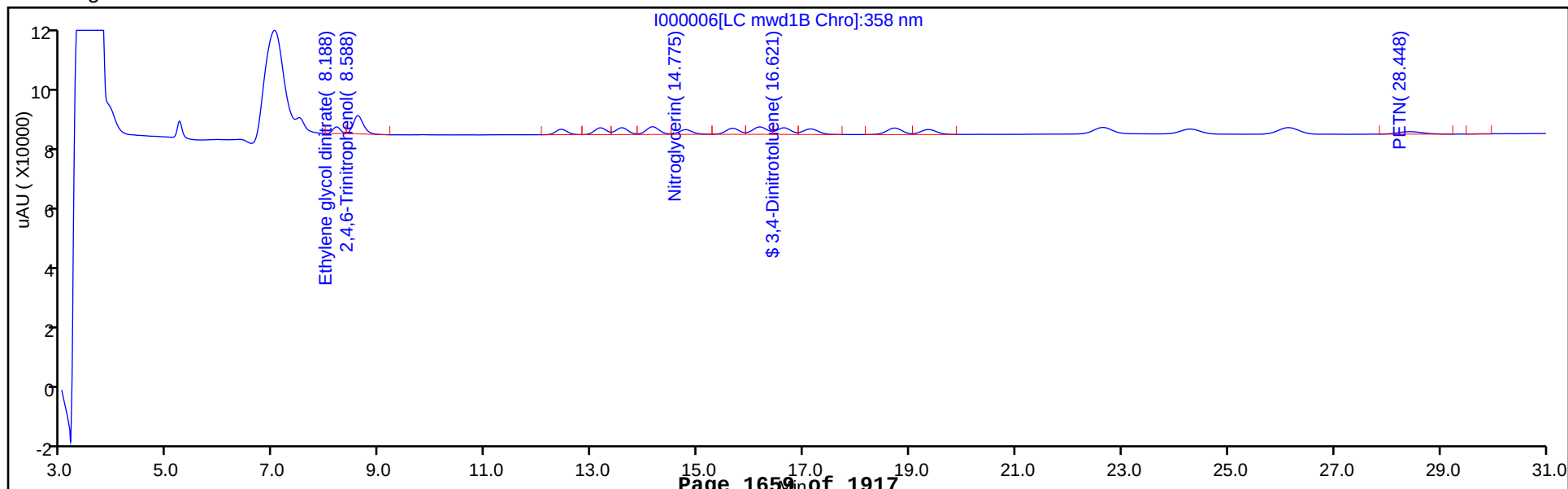
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130108-2133.b\I000007.D
 Lims ID: STD04 Client ID:
 Inject. Date: 09-Jan-2013 13:50:07 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 4
 Sample ID: 320-0002133-005
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 85
 Lims Batch ID: 8413 Lims Sample ID: 5
 Sublist: chrom-8330_LC10*sub1
 Method: \\SACChrom\ChromData\LC10\20130108-2133.b\8330_LC10.m
 Last Update: 11-Jan-2013 11:31:39 Calib Date: 09-Jan-2013 16:30:35
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20130108-2133.b\I000011.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK025

First Level Reviewer: noonanr

Date: 11-Jan-2013 08:05:26

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

11 HMX						
1	5.219	5.209	0.010	6461	49.9	
19 RDX						
1	7.489	7.479	0.010	4606	49.6	
3 Ethylene glycol dinitrate						
2	8.179	8.169	0.010	5878	52.9	
10 2,4,6-Trinitrophenol						
2	8.565	8.482	0.083	13367	112.4	
1	8.565	8.482	0.083	9416	111.0	
27 1,3,5-Trinitrobenzene						
1	9.815	9.809	0.006	8403	49.8	
24 1,3-Dinitrobenzene						
1	12.416	12.406	0.010	8329	50.2	
9 3,5-Dinitroaniline						
1	13.149	13.143	0.006	5296	49.8	
20 Tetryl						
1	13.549	13.549	0.0	4090	48.3	
5 Nitrobenzene						
1	14.132	14.123	0.009	3679	49.9	
7 Nitroglycerin						
2	14.756	14.753	0.003	3447	49.2	
25 2,4,6-Trinitrotoluene						
1	15.642	15.639	0.003	4465	49.2	
26 4-Amino-2,6-dinitrotoluene						
1	16.152	16.146	0.006	4030	49.4	
\$ 30 3,4-Dinitrotoluene						
1	16.599	16.600	-0.001	2818	48.4	
2	16.606	16.604	0.002	5355	49.2	

Data File: \\SACChrom\ChromData\LC10\20130108-2133.b\I000007.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.112	17.113	-0.001	4303	50.0	
12 2,6-Dinitrotoluene						
1	18.706	18.699	0.007	3018	49.4	
23 2,4-Dinitrotoluene						
1	19.342	19.339	0.003	4892	49.3	
16 o-Nitrotoluene						
1	22.636	22.633	0.003	2127	48.9	
15 p-Nitrotoluene						
1	24.306	24.286	0.020	2542	48.9	
8 m-Nitrotoluene						
1	26.152	26.139	0.013	2605	48.5	
21 PETN						
2	28.462	28.433	0.029	1933	48.7	

Report Date: 11-Jan-2013 11:31:39

Chrom Revision: 2.1 03-Jan-2013 18:41:16

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20130108-2133.b\I000007.D

Injection Date: 09-Jan-2013 13:50:07

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 8413

Lims Sample ID: 5

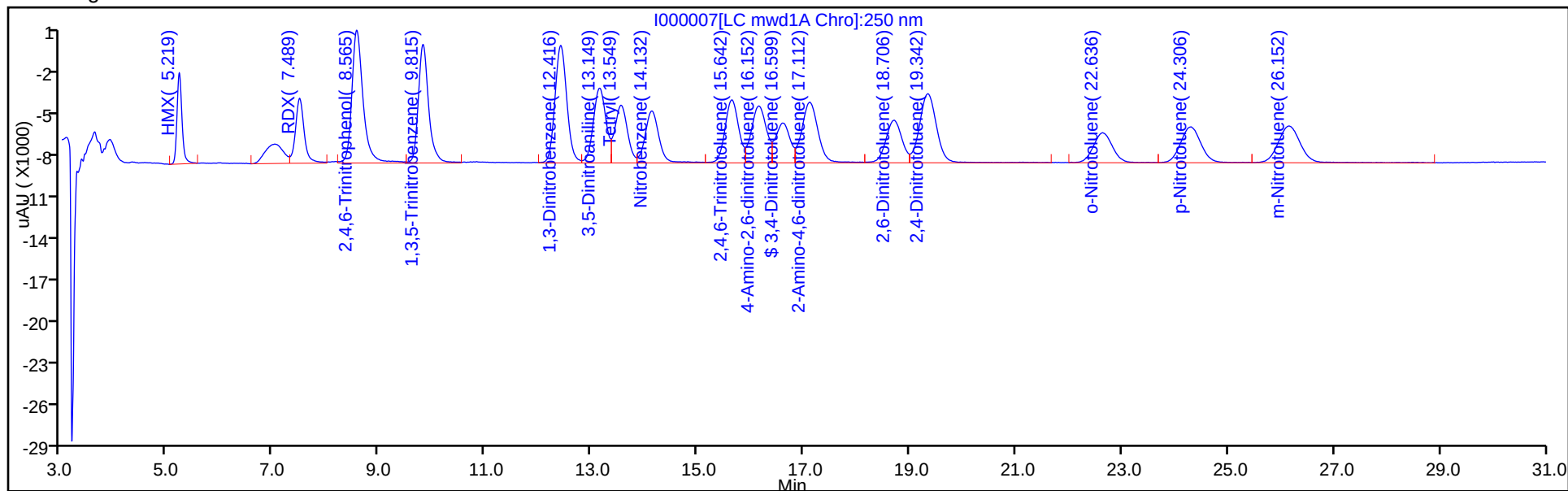
Operator ID: RN

Injection Vol: 500.0 ul

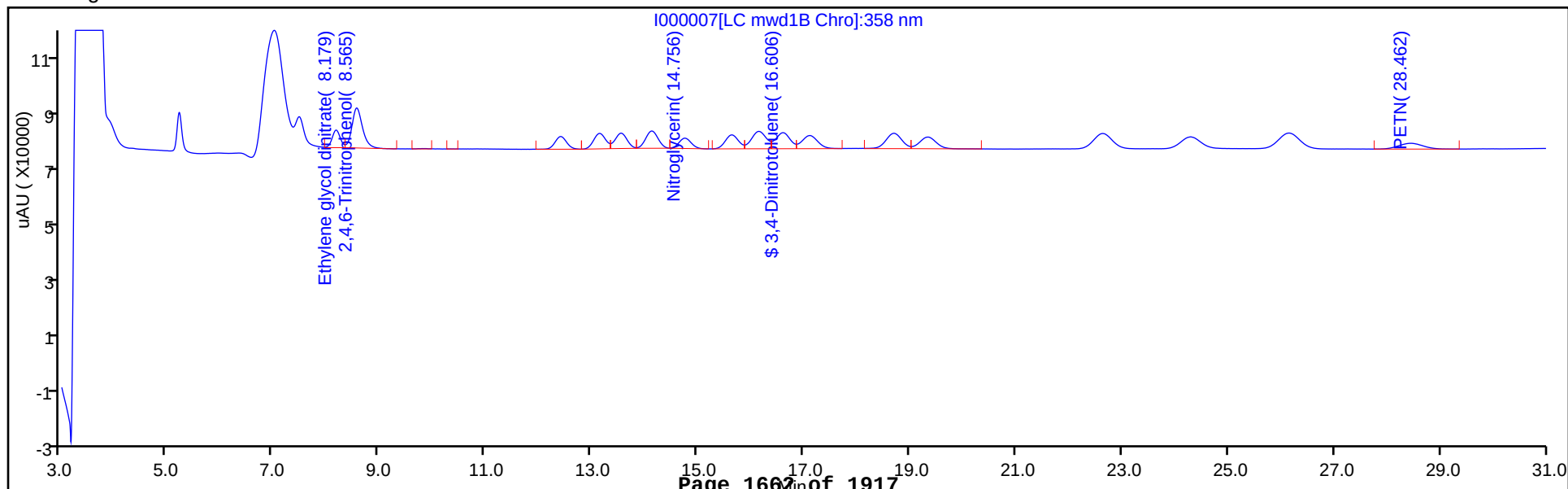
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130108-2133.b\I000008.D
 Lims ID: STD05 Client ID:
 Inject. Date: 09-Jan-2013 14:30:14 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 5
 Sample ID: 320-0002133-006
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 86
 Lims Batch ID: 8413 Lims Sample ID: 6
 Sublist: chrom-8330_LC10*sub1
 Method: \\SACChrom\ChromData\LC10\20130108-2133.b\8330_LC10.m
 Last Update: 11-Jan-2013 11:31:39 Calib Date: 09-Jan-2013 16:30:35
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20130108-2133.b\I000011.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK025

First Level Reviewer: noonanr

Date: 09-Jan-2013 15:13:30

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

11 HMX						
1	5.220	5.220	0.0	14056	108.5	
19 RDX						
1	7.490	7.490	0.0	9759	105.2	
3 Ethylene glycol dinitrate						
2	8.177	8.177	0.0	12201	109.8	
10 2,4,6-Trinitrophenol						
2	8.560	8.560	0.0	25432	213.9	
1	8.560	8.560	0.0	17786	209.7	
27 1,3,5-Trinitrobenzene						
1	9.817	9.817	0.0	18175	107.6	
24 1,3-Dinitrobenzene						
1	12.410	12.410	0.0	18010	108.5	
9 3,5-Dinitroaniline						
1	13.144	13.144	0.0	11413	107.4	
20 Tetryl						
1	13.554	13.554	0.0	8927	105.4	
5 Nitrobenzene						
1	14.124	14.124	0.0	7946	107.8	
7 Nitroglycerin						
2	14.750	14.750	0.0	7391	105.5	
25 2,4,6-Trinitrotoluene						
1	15.637	15.637	0.0	9713	107.0	
26 4-Amino-2,6-dinitrotoluene						
1	16.147	16.147	0.0	8718	106.8	
\$ 30 3,4-Dinitrotoluene						
1	16.600	16.600	0.0	5968	102.5	
2	16.604	16.604	0.0	11337	104.3	

Data File: \\SACChrom\ChromData\LC10\20130108-2133.b\I000008.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.107	17.107	0.0	9250	107.5	
12 2,6-Dinitrotoluene						
1	18.694	18.694	0.0	6540	107.0	
23 2,4-Dinitrotoluene						
1	19.330	19.330	0.0	10655	107.3	
16 o-Nitrotoluene						
1	22.624	22.624	0.0	4634	106.5	
15 p-Nitrotoluene						
1	24.274	24.274	0.0	5548	106.7	
8 m-Nitrotoluene						
1	26.127	26.127	0.0	5691	106.0	
21 PETN						
2	28.410	28.410	0.0	4235	106.6	

Report Date: 11-Jan-2013 11:31:40

Chrom Revision: 2.1 03-Jan-2013 18:41:16

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20130108-2133.b\I000008.D

Injection Date: 09-Jan-2013 14:30:14

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 8413

Lims Sample ID: 6

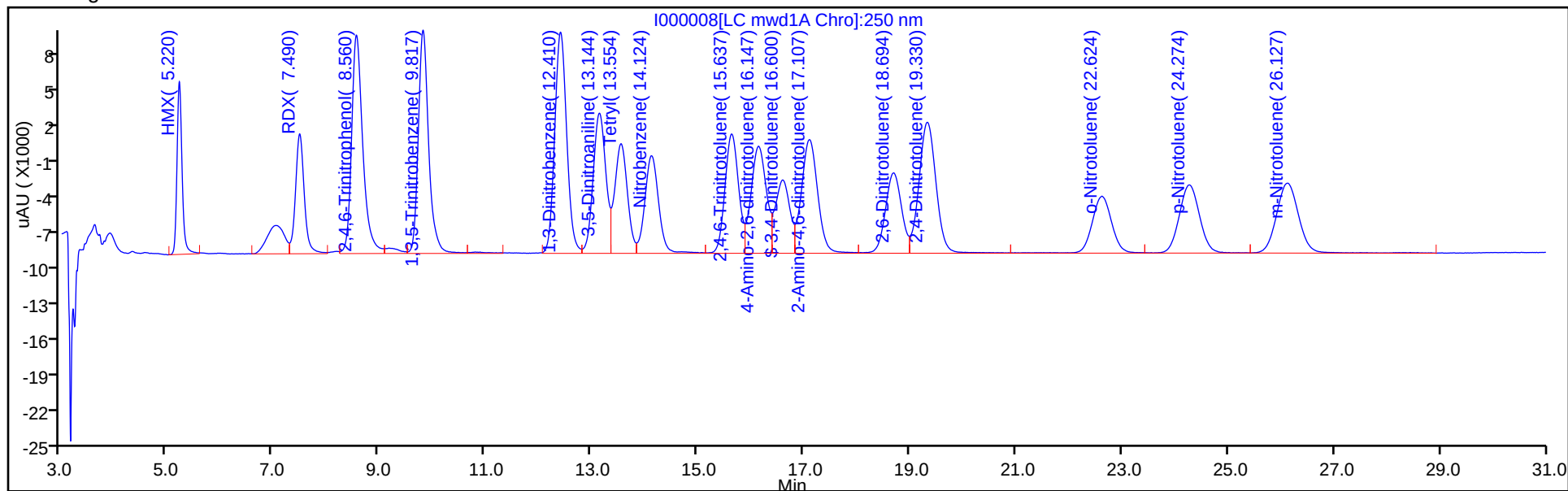
Operator ID: RN

Injection Vol: 500.0 ul

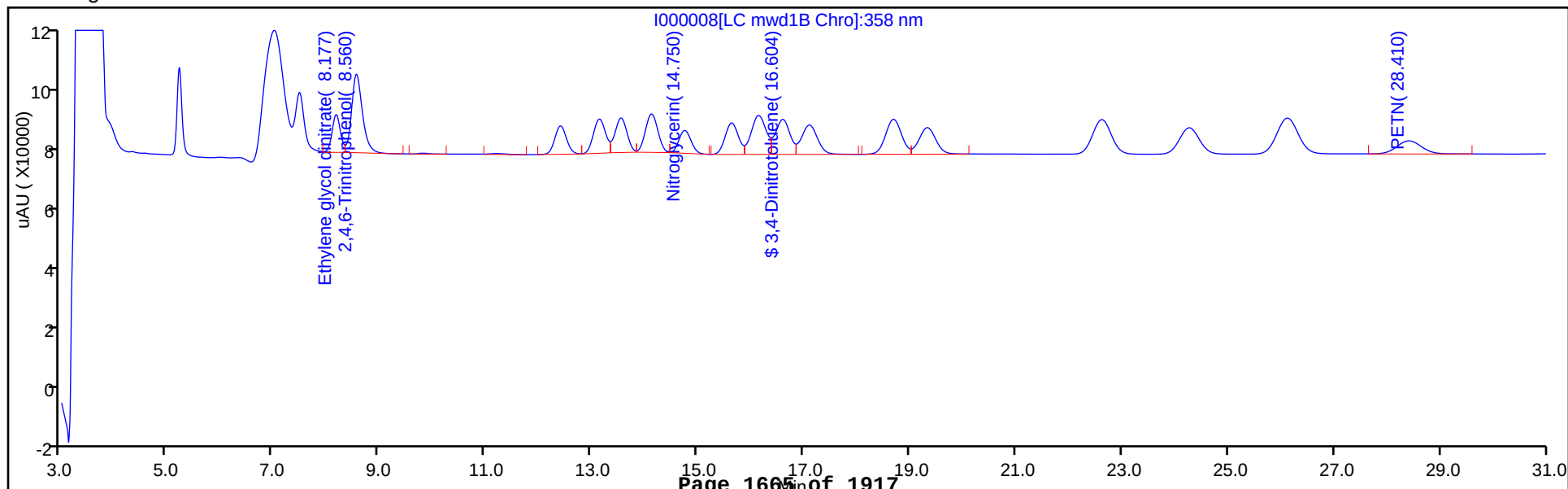
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130108-2133.b\I000009.D
 Lims ID: STD06 Client ID:
 Inject. Date: 09-Jan-2013 15:10:18 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 6
 Sample ID: 320-0002133-007
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 87
 Lims Batch ID: 8413 Lims Sample ID: 7
 Sublist: chrom-8330_LC10*sub1
 Method: \\SACChrom\ChromData\LC10\20130108-2133.b\8330_LC10.m
 Last Update: 11-Jan-2013 11:31:40 Calib Date: 09-Jan-2013 16:30:35
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20130108-2133.b\I000011.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK025

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.214	5.220	-0.006	26322	203.2	
19 RDX						
1	7.488	7.490	-0.002	17746	191.3	
3 Ethylene glycol dinitrate						
2	8.174	8.177	-0.003	23039	207.3	
10 2,4,6-Trinitrophenol						
2	8.531	8.560	-0.029	60554	509.3	
1	8.531	8.560	-0.029	41944	494.6	
27 1,3,5-Trinitrobenzene						
1	9.818	9.817	0.001	33979	201.2	
24 1,3-Dinitrobenzene						
1	12.421	12.410	0.011	33514	201.8	
9 3,5-Dinitroaniline						
1	13.165	13.144	0.021	21295	200.4	
20 Tetryl						
1	13.571	13.554	0.017	16834	198.7	
5 Nitrobenzene						
1	14.141	14.124	0.017	14791	200.6	
7 Nitroglycerin						
2	14.771	14.750	0.021	14042	200.4	
25 2,4,6-Trinitrotoluene						
1	15.658	15.637	0.021	18296	201.5	
26 4-Amino-2,6-dinitrotoluene						
1	16.175	16.147	0.028	16378	200.6	
\$ 30 3,4-Dinitrotoluene						
1	16.628	16.600	0.028	11381	195.4	
2	16.628	16.604	0.024	21590	198.6	
6 2-Amino-4,6-dinitrotoluene						
1	17.135	17.107	0.028	17333	201.5	

Data File: \\SACChrom\ChromData\LC10\20130108-2133.b\I000009.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
12 2,6-Dinitrotoluene						
1	18.718	18.694	0.024	12228	200.1	
23 2,4-Dinitrotoluene						
1	19.355	19.330	0.025	19990	201.3	
16 o-Nitrotoluene						
1	22.645	22.624	0.021	8658	199.1	
15 p-Nitrotoluene						
1	24.298	24.274	0.024	10425	200.4	
8 m-Nitrotoluene						
1	26.148	26.127	0.021	10701	199.3	
21 PETN						
2	28.445	28.410	0.035	8021	202.0	

Report Date: 11-Jan-2013 11:31:40

Chrom Revision: 2.1 03-Jan-2013 18:41:16

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20130108-2133.b\I000009.D

Injection Date: 09-Jan-2013 15:10:18

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 8413

Lims Sample ID: 7

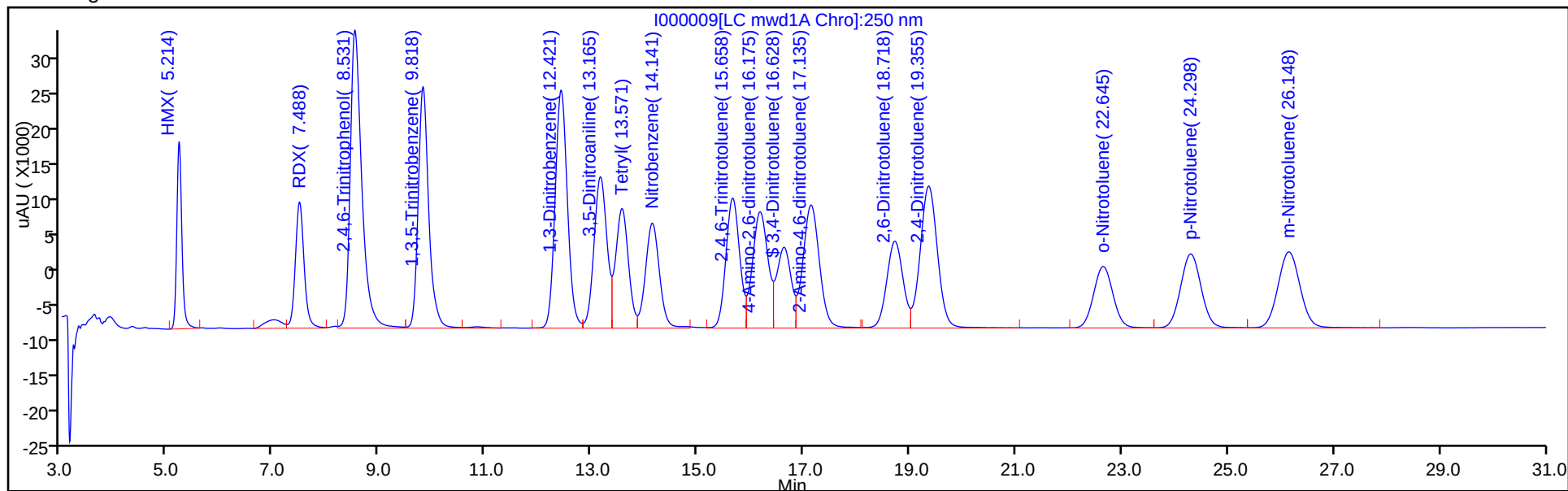
Operator ID: RN

Injection Vol: 500.0 ul

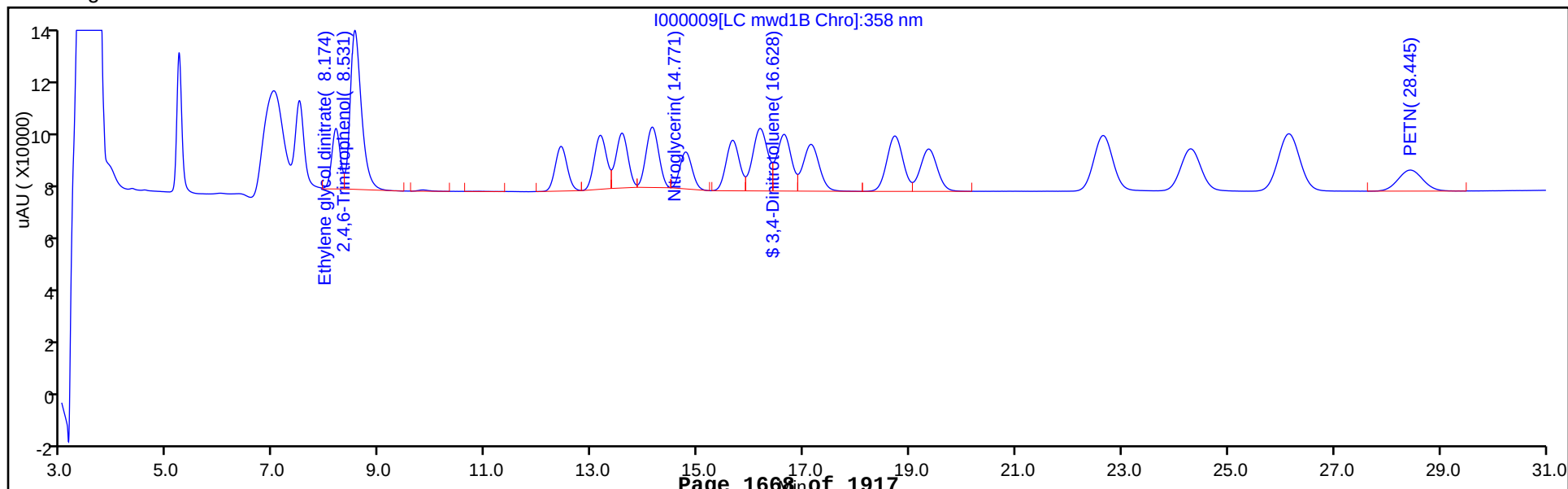
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130108-2133.b\I000010.D
 Lims ID: STD07 Client ID:
 Inject. Date: 09-Jan-2013 15:50:25 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 7
 Sample ID: 320-0002133-008
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 88
 Lims Batch ID: 8413 Lims Sample ID: 8
 Sublist: chrom-8330_LC10*sub1
 Method: \\SACChrom\ChromData\LC10\20130108-2133.b\8330_LC10.m
 Last Update: 11-Jan-2013 11:31:41 Calib Date: 09-Jan-2013 16:30:35
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20130108-2133.b\I000011.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK025

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.215	5.220	-0.005	63600	490.9	
19 RDX						
1	7.478	7.490	-0.012	41186	443.9	
3 Ethylene glycol dinitrate						
2	8.168	8.177	-0.009	53133	478.0	
10 2,4,6-Trinitrophenol						
2	8.485	8.560	-0.075	114012	958.9	
1	8.485	8.560	-0.075	77844	917.9	
27 1,3,5-Trinitrobenzene						
1	9.812	9.817	-0.005	81393	482.0	
24 1,3-Dinitrobenzene						
1	12.408	12.410	-0.002	79573	479.2	
9 3,5-Dinitroaniline						
1	13.148	13.144	0.004	50570	475.9	
20 Tetryl						
1	13.565	13.554	0.011	41281	487.3	
5 Nitrobenzene						
1	14.128	14.124	0.004	35144	476.6	
7 Nitroglycerin						
2	14.765	14.750	0.015	34334	490.0	
25 2,4,6-Trinitrotoluene						
1	15.655	15.637	0.018	44668	491.8	
26 4-Amino-2,6-dinitrotoluene						
1	16.162	16.147	0.015	39660	485.8	
\$ 30 3,4-Dinitrotoluene						
1	16.615	16.600	0.015	17771	305.1	
2	16.618	16.604	0.014	33352	306.7	
6 2-Amino-4,6-dinitrotoluene						
1	17.125	17.107	0.018	41793	485.8	

Data File: \\SACChrom\ChromData\LC10\20130108-2133.b\I000010.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
12 2,6-Dinitrotoluene						
1	18.715	18.694	0.021	29810	487.7	
23 2,4-Dinitrotoluene						
1	19.352	19.330	0.022	48691	490.3	
16 o-Nitrotoluene						
1	22.648	22.624	0.024	21101	485.1	
15 p-Nitrotoluene						
1	24.302	24.274	0.028	25488	490.0	
8 m-Nitrotoluene						
1	26.155	26.127	0.028	26180	487.6	
21 PETN						
2	28.465	28.410	0.055	19526	491.7	

Report Date: 11-Jan-2013 11:31:41

Chrom Revision: 2.1 03-Jan-2013 18:41:16

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20130108-2133.b\I000010.D

Injection Date: 09-Jan-2013 15:50:25

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 8413

Lims Sample ID: 8

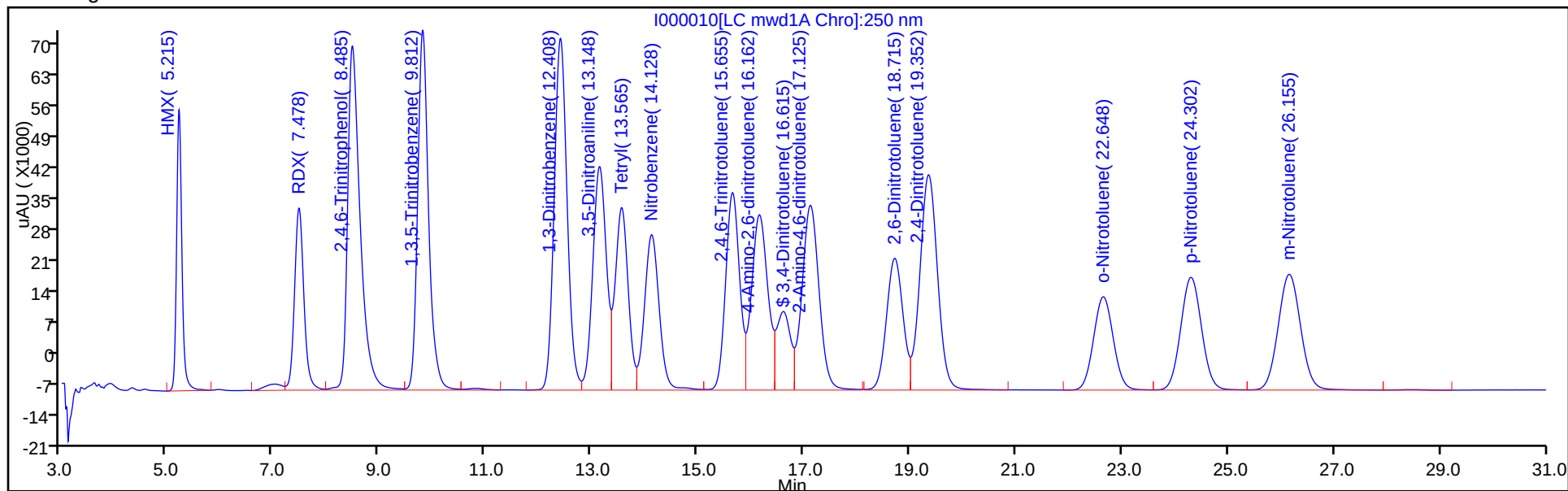
Operator ID: RN

Injection Vol: 500.0 ul

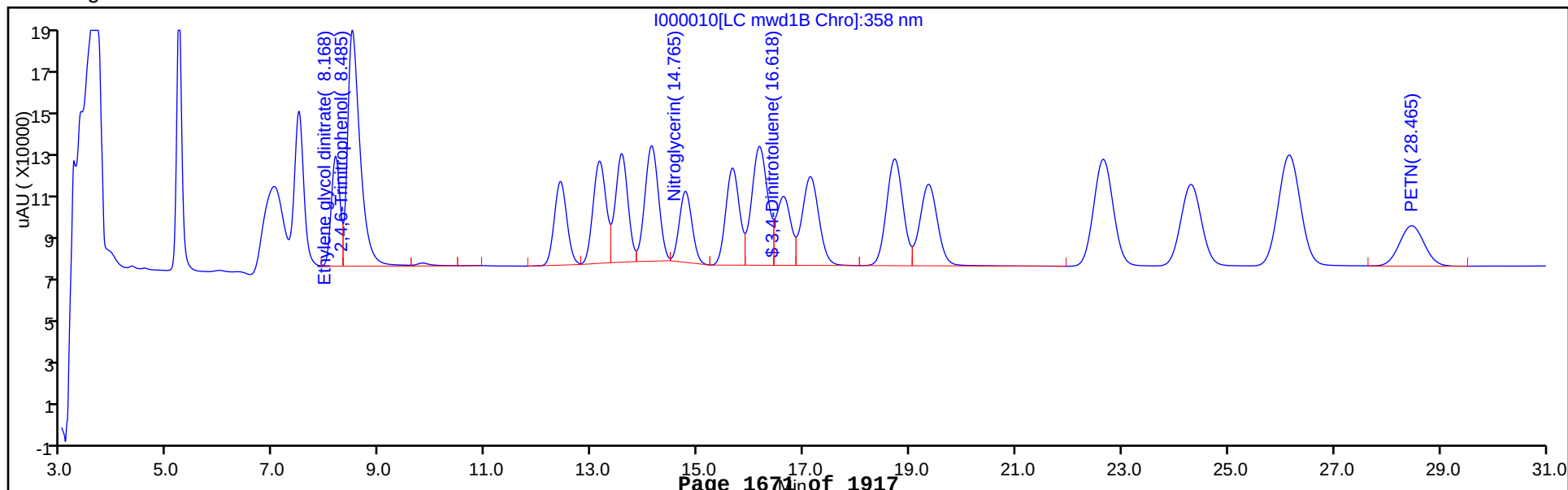
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130108-2133.b\I000011.D
 Lims ID: STD08 Client ID:
 Inject. Date: 09-Jan-2013 16:30:35 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 8
 Sample ID: 320-0002133-009
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 89
 Lims Batch ID: 8413 Lims Sample ID: 9
 Sublist: chrom-8330_LC10*sub1
 Method: \\SACChrom\ChromData\LC10\20130108-2133.b\8330_LC10.m
 Last Update: 11-Jan-2013 11:31:42 Calib Date: 09-Jan-2013 16:30:35
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20130108-2133.b\I000011.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK025

First Level Reviewer: noonanr

Date: 10-Jan-2013 07:17:08

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.194	5.220	-0.026	113063	872.6	
19 RDX						
1	7.441	7.490	-0.049	67728	730.0	
3 Ethylene glycol dinitrate						
2	8.148	8.177	-0.029	91434	822.5	
10 2,4,6-Trinitrophenol						
2	8.401	8.560	-0.159	195808	1646.9	
1	8.404	8.560	-0.156	131662	1552.5	
27 1,3,5-Trinitrobenzene						
1	9.784	9.817	-0.033	144139	853.6	
24 1,3-Dinitrobenzene						
1	12.371	12.410	-0.039	138485	833.9	
9 3,5-Dinitroaniline						
1	13.101	13.144	-0.043	87623	824.7	
20 Tetryl						
1	13.528	13.554	-0.026	78272	924.0	
5 Nitrobenzene						
1	14.085	14.124	-0.039	61288	831.2	
7 Nitroglycerin						
2	14.731	14.750	-0.019	63097	900.5	
25 2,4,6-Trinitrotoluene						
1	15.621	15.637	-0.016	83397	918.3	
26 4-Amino-2,6-dinitrotoluene						
1	16.115	16.147	-0.032	71837	879.9	
\$ 30 3,4-Dinitrotoluene						
1	16.568	16.600	-0.032	28682	492.4	
2	16.571	16.604	-0.033	52987	487.3	

Data File: \\SACChrom\ChromData\LC10\20130108-2133.b\I000011.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.075	17.107	-0.032	75025	872.1	
12 2,6-Dinitrotoluene						
1	18.675	18.694	-0.019	54791	896.4	
23 2,4-Dinitrotoluene						
1	19.311	19.330	-0.019	89663	902.9	
16 o-Nitrotoluene						
1	22.605	22.624	-0.019	38850	893.2	
15 p-Nitrotoluene						
1	24.265	24.274	-0.009	47265	908.6	
8 m-Nitrotoluene						
1	26.121	26.127	-0.006	48879	910.3	
21 PETN						
2	28.451	28.410	0.041	38241	963.0	

Report Date: 11-Jan-2013 11:31:42

Chrom Revision: 2.1 03-Jan-2013 18:41:16

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20130108-2133.b\I000011.D

Injection Date: 09-Jan-2013 16:30:35

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 8413

Lims Sample ID: 9

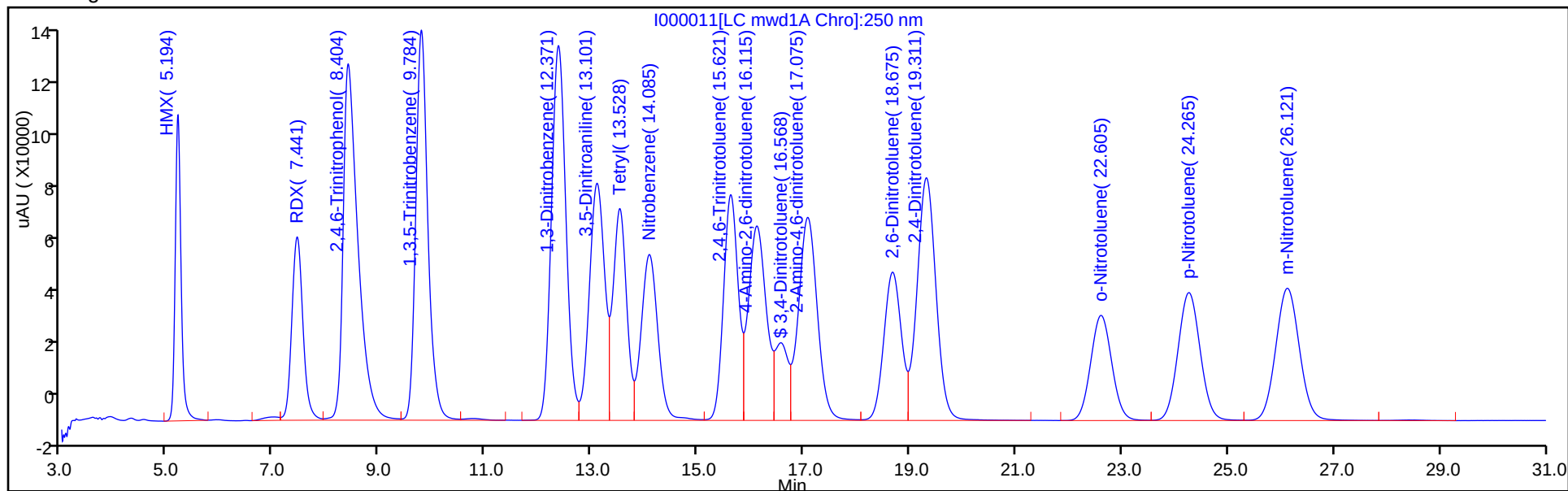
Operator ID: RN

Injection Vol: 500.0 ul

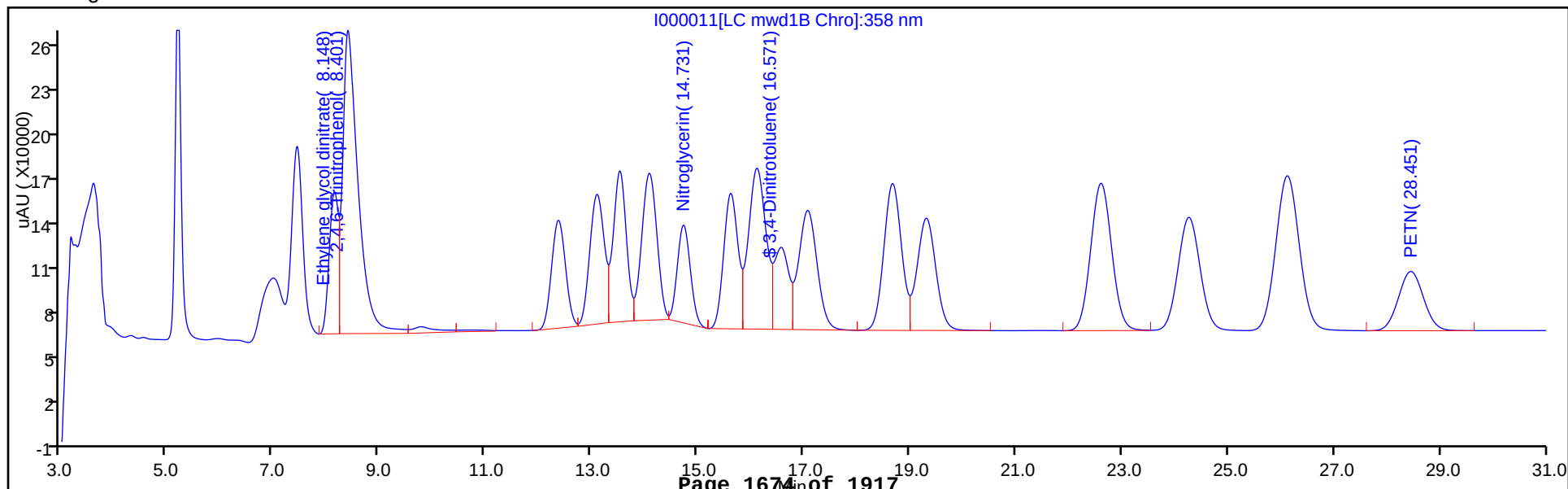
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1
 SDG No.: _____
 Lab Sample ID: ICV 320-8413/11 Calibration Date: 01/09/2013 17:50
 Instrument ID: LC10 Calib Start Date: 01/09/2013 11:49
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 01/09/2013 16:30
 Lab File ID: I000013.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	129.6	130.5		503	500	0.7	20.0
RDX	Ave	92.77	86.46		466	500	-6.8	20.0
Ethylene glycol dinitrate	Ave	111.2	112.2		504	500	0.9	20.0
Picric acid	Ave	118.9	115.0		968	1000	-3.2	20.0
1,3,5-Trinitrobenzene	Ave	168.9	162.2		480	500	-4.0	20.0
1,3-Dinitrobenzene	Ave	166.1	157.2		473	500	-5.3	20.0
3,5-Dinitroaniline	Ave	106.3	107.3		505	500	1.0	20.0
Tetryl	Ave	84.71	97.33		575	500	14.9	20.0
Nitrobenzene	Ave	73.73	72.39		491	500	-1.8	20.0
Nitroglycerin	Ave	70.07	71.89		513	500	2.6	20.0
2,4,6-Trinitrotoluene	Ave	90.82	98.66		543	500	8.6	20.0
4-Amino-2,6-dinitrotoluene	Ave	81.64	76.62		469	500	-6.1	20.0
2-Amino-4,6-dinitrotoluene	Ave	86.03	84.11		489	500	-2.2	20.0
2,6-Dinitrotoluene	Ave	61.12	59.92		490	500	-2.0	20.0
2,4-Dinitrotoluene	Ave	99.31	97.50		491	500	-1.8	20.0
2-Nitrotoluene	Ave	43.50	42.21		485	500	-2.9	20.0
4-Nitrotoluene	Ave	52.02	50.98		490	500	-2.0	20.0
3-Nitrotoluene	Ave	53.69	50.64		472	500	-5.7	20.0
PETN	Ave	39.71	39.48		497	500	-0.6	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1
 SDG No.: _____
 Lab Sample ID: ICV 320-8413/11 Calibration Date: 01/09/2013 17:50
 Instrument ID: LC10 Calib Start Date: 01/09/2013 11:49
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 01/09/2013 16:30
 Lab File ID: I000013.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.21	4.96	5.46
RDX	7.48	7.23	7.73
Ethylene glycol dinitrate	8.17	7.92	8.42
Picric acid	8.48	8.23	8.73
1,3,5-Trinitrobenzene	9.81	9.56	10.06
1,3-Dinitrobenzene	12.41	12.16	12.66
3,5-Dinitroaniline	13.14	12.89	13.39
Tetryl	13.55	13.30	13.80
Nitrobenzene	14.12	13.87	14.37
Nitroglycerin	14.75	14.50	15.00
2,4,6-Trinitrotoluene	15.64	15.39	15.89
4-Amino-2,6-dinitrotoluene	16.15	15.90	16.40
2-Amino-4,6-dinitrotoluene	17.11	16.86	17.36
2,6-Dinitrotoluene	18.70	18.45	18.95
2,4-Dinitrotoluene	19.34	19.09	19.59
2-Nitrotoluene	22.63	22.38	22.88
4-Nitrotoluene	24.29	24.04	24.54
3-Nitrotoluene	26.14	25.89	26.39
PETN	28.43	28.18	28.68

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130108-2133.b\I000013.D
 Lims ID: ICV Client ID:
 Inject. Date: 09-Jan-2013 17:50:42 Dil. Factor: 1.0000
 Sample Type: ICV
 Sample ID: 320-0002133-011
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 90
 Lims Batch ID: 8413 Lims Sample ID: 11
 Sublist:

Method: \\SACChrom\ChromData\LC10\20130108-2133.b\8330_LC10.m
 Last Update: 11-Jan-2013 11:31:43 Calib Date: 09-Jan-2013 16:30:35
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20130108-2133.b\I000011.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK025

First Level Reviewer: noonanr

Date: 10-Jan-2013 07:15:34

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

11 HMX

1 5.209 5.209 0.0 65237 503.5

19 RDX

1 7.479 7.479 0.0 43232 466.0

3 Ethylene glycol dinitrate

2 8.169 8.169 0.0 56082 504.5

10 2,4,6-Trinitrophenol

2 8.482 8.482 0.0 115032 967.5

1 8.482 8.482 0.0 78425 924.8

27 1,3,5-Trinitrobenzene

1 9.809 9.809 0.0 81078 480.2

24 1,3-Dinitrobenzene

1 12.406 12.406 0.0 78605 473.3

9 3,5-Dinitroaniline

1 13.143 13.143 0.0 53656 505.0

20 Tetryl

1 13.549 13.549 0.0 48665 574.5 E

5 Nitrobenzene

1 14.123 14.123 0.0 36195 490.9

7 Nitroglycerin

2 14.753 14.753 0.0 35944 513.0

25 2,4,6-Trinitrotoluene

1 15.639 15.639 0.0 49331 543.2

26 4-Amino-2,6-dinitrotoluene

1 16.146 16.146 0.0 38311 469.3

6 2-Amino-4,6-dinitrotoluene

1 17.113 17.113 0.0 42055 488.8

Data File: \\SACChrom\ChromData\LC10\20130108-2133.b\I000013.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
12	2,6-Dinitrotoluene					
1	18.699	18.699	0.0	29961	490.2	
23	2,4-Dinitrotoluene					
1	19.339	19.339	0.0	48750	490.9	
16	o-Nitrotoluene					
1	22.633	22.633	0.0	21107	485.3	
15	p-Nitrotoluene					
1	24.286	24.286	0.0	25490	490.0	
8	m-Nitrotoluene					
1	26.139	26.139	0.0	25318	471.5	
21	PETN					
2	28.433	28.433	0.0	19739	497.1	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Report Date: 11-Jan-2013 11:31:44

Chrom Revision: 2.1 03-Jan-2013 18:41:16

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20130108-2133.b\I000013.D

Injection Date: 09-Jan-2013 17:50:42

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 8413

Lims Sample ID: 11

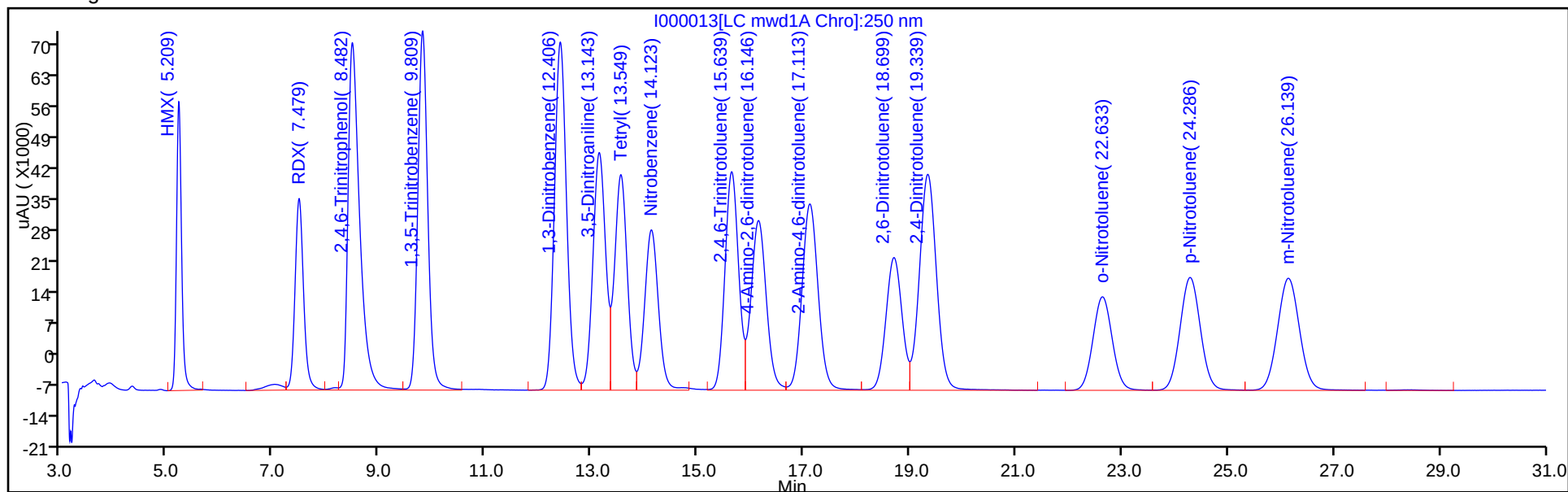
Operator ID: RN

Injection Vol: 500.0 ul

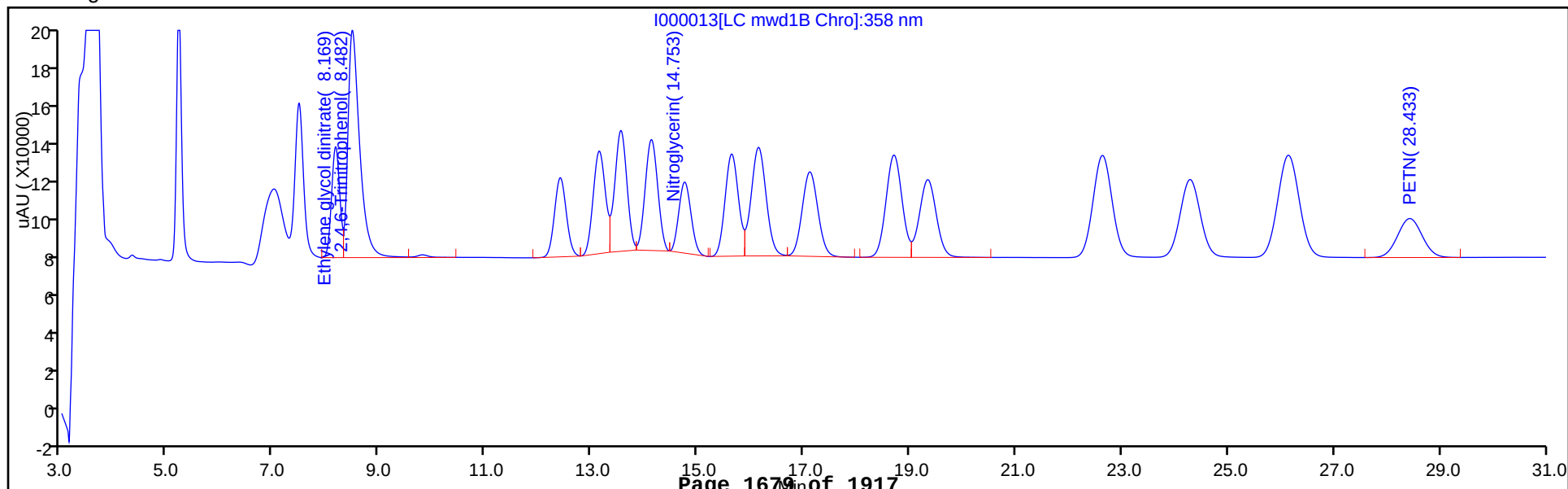
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1
 SDG No.: _____
 Lab Sample ID: LODV 320-8413/13 Calibration Date: 01/09/2013 18:30
 Instrument ID: LC10 Calib Start Date: 01/09/2013 11:49
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 01/09/2013 16:30
 Lab File ID: I000014.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	129.6	142.8		5.51	5.00	10.2	
RDX	Ave	92.77	120.4		6.49	5.00	29.8	
1,3,5-Trinitrobenzene	Ave	168.9	190.2		5.63	5.00	12.6	
1,3-Dinitrobenzene	Ave	166.1	186.4		5.61	5.00	12.2	
3,5-Dinitroaniline	Ave	106.3	122.2		5.75	5.00	15.0	
Tetryl	Ave	84.71	99.20		5.86	5.00	17.1	
Nitrobenzene	Ave	73.73	75.20		5.10	5.00	2.0	
Nitroglycerin	Ave	70.07	70.40		20.1	20.0	0.5	
2,4,6-Trinitrotoluene	Ave	90.82	103.6		5.70	5.00	14.1	
4-Amino-2,6-dinitrotoluene	Ave	81.64	89.60		5.49	5.00	9.7	
2-Amino-4,6-dinitrotoluene	Ave	86.03	97.60		5.67	5.00	13.4	
2,6-Dinitrotoluene	Ave	61.12	70.00		5.73	5.00	14.5	
2,4-Dinitrotoluene	Ave	99.31	112.4		5.66	5.00	13.2	
2-Nitrotoluene	Ave	43.50	49.40		5.68	5.00	13.6	
4-Nitrotoluene	Ave	52.02	54.80		5.27	5.00	5.4	
3-Nitrotoluene	Ave	53.69	53.60		4.99	5.00	-0.2	
PETN	Ave	39.71	42.15		21.2	20.0	6.1	
3,4-Dinitrotoluene	Ave	58.25	54.50		18.7	20.0	-6.4	

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1
 SDG No.: _____
 Lab Sample ID: LODV 320-8413/13 Calibration Date: 01/09/2013 18:30
 Instrument ID: LC10 Calib Start Date: 01/09/2013 11:49
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 01/09/2013 16:30
 Lab File ID: I000014.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.22	4.96	5.46
RDX	7.48	7.23	7.73
1,3,5-Trinitrobenzene	9.81	9.56	10.06
1,3-Dinitrobenzene	12.41	12.16	12.66
3,5-Dinitroaniline	13.15	12.89	13.39
Tetryl	13.53	13.30	13.80
Nitrobenzene	14.13	13.87	14.37
Nitroglycerin	14.75	14.50	15.00
2,4,6-Trinitrotoluene	15.62	15.39	15.89
4-Amino-2,6-dinitrotoluene	16.15	15.90	16.40
2-Amino-4,6-dinitrotoluene	17.12	16.86	17.36
2,6-Dinitrotoluene	18.70	18.45	18.95
2,4-Dinitrotoluene	19.35	19.09	19.59
2-Nitrotoluene	22.63	22.38	22.88
4-Nitrotoluene	24.30	24.04	24.54
3-Nitrotoluene	26.15	25.89	26.39
PETN	28.44	28.18	28.68
Ethylene glycol dinitrate			
Picric acid			
3,4-Dinitrotoluene	16.61	16.35	16.85

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130108-2133.b\I000014.D
 Lims ID: LODV 5-20ng/mL Client ID:
 Inject. Date: 09-Jan-2013 18:30:53 Dil. Factor: 1.0000
 Sample Type: LODV
 Sample ID: 320-0002133-013
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 92
 Lims Batch ID: 8413 Lims Sample ID: 13
 Method: \\SACChrom\ChromData\LC10\20130108-2133.b\8330_LC10.m
 Last Update: 11-Jan-2013 11:31:43 Calib Date: 09-Jan-2013 16:30:35
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20130108-2133.b\I000011.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK025

First Level Reviewer: noonanr

Date: 10-Jan-2013 07:20:28

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

11 HMX
 1 5.221 5.209 0.012 714 5.51
 19 RDX
 1 7.478 7.479 -0.001 602 6.49
 27 1,3,5-Trinitrobenzene
 1 9.811 9.809 0.002 951 5.63
 24 1,3-Dinitrobenzene
 1 12.405 12.406 -0.001 932 5.61
 9 3,5-Dinitroaniline
 1 13.145 13.143 0.002 611 5.75
 20 Tetryl
 1 13.528 13.549 -0.021 496 5.86
 5 Nitrobenzene
 1 14.125 14.123 0.002 376 5.10
 7 Nitroglycerin
 2 14.745 14.753 -0.008 1408 20.1
 25 2,4,6-Trinitrotoluene
 1 15.622 15.639 -0.017 518 5.70
 26 4-Amino-2,6-dinitrotoluene
 1 16.148 16.146 0.002 448 5.49
 \$ 30 3,4-Dinitrotoluene
 1 16.605 16.600 0.005 1090 18.7
 2 16.608 16.604 0.004 2089 19.2
 6 2-Amino-4,6-dinitrotoluene
 1 17.115 17.113 0.002 488 5.67
 12 2,6-Dinitrotoluene
 1 18.702 18.699 0.003 350 5.73
 23 2,4-Dinitrotoluene
 1 19.348 19.339 0.009 562 5.66

Data File: \\SACChrom\ChromData\LC10\20130108-2133.b\I000014.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
16 o-Nitrotoluene						
1	22.632	22.633	-0.001	247	5.68	
15 p-Nitrotoluene						
1	24.298	24.286	0.012	274	5.27	
8 m-Nitrotoluene						
1	26.152	26.139	0.013	268	4.99	M
21 PETN						
2	28.438	28.433	0.005	843	21.2	M

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 11-Jan-2013 11:31:44

Chrom Revision: 2.1 03-Jan-2013 18:41:16

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20130108-2133.b\I000014.D

Injection Date: 09-Jan-2013 18:30:53

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 8413

Lims Sample ID: 13

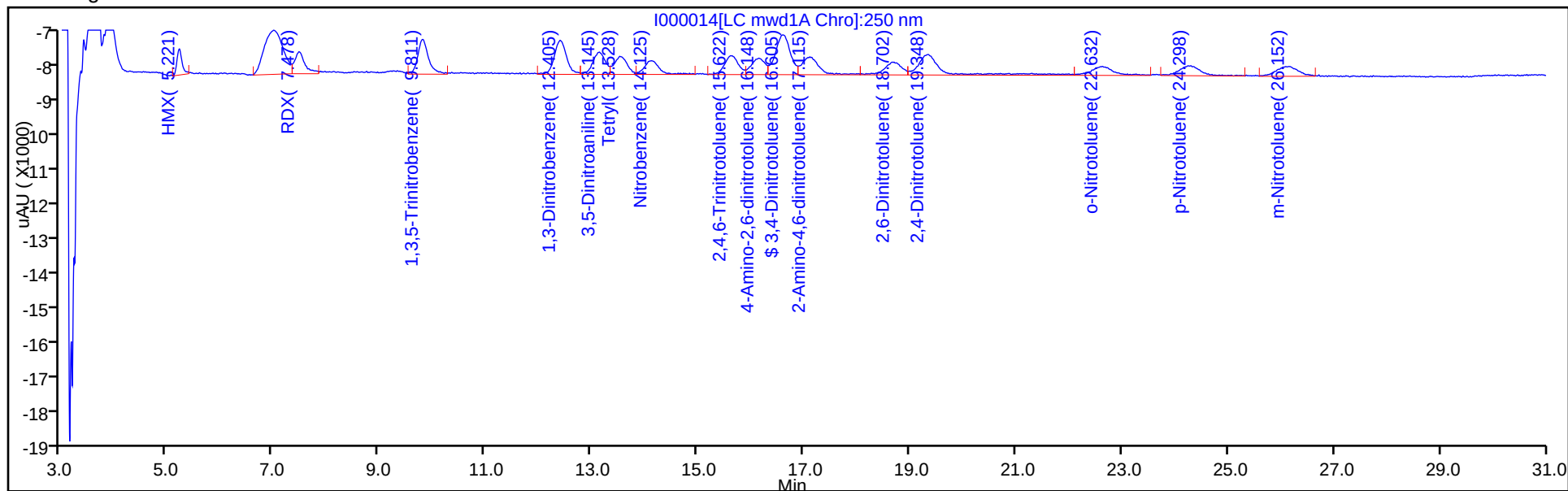
Operator ID: RN

Injection Vol: 500.0 ul

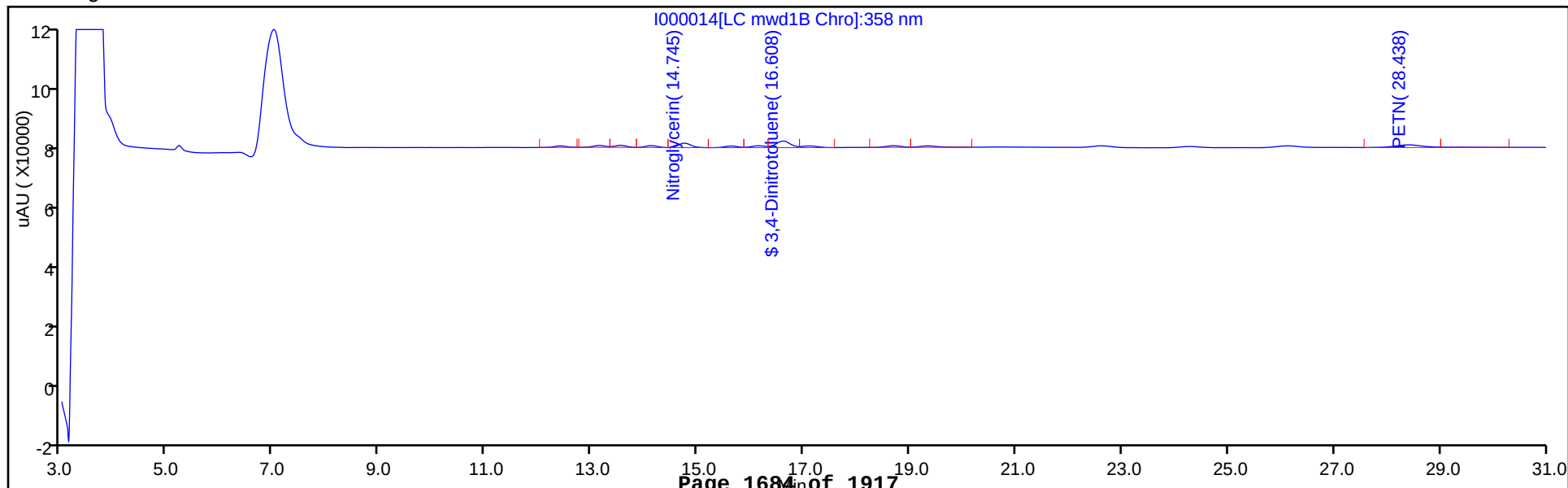
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



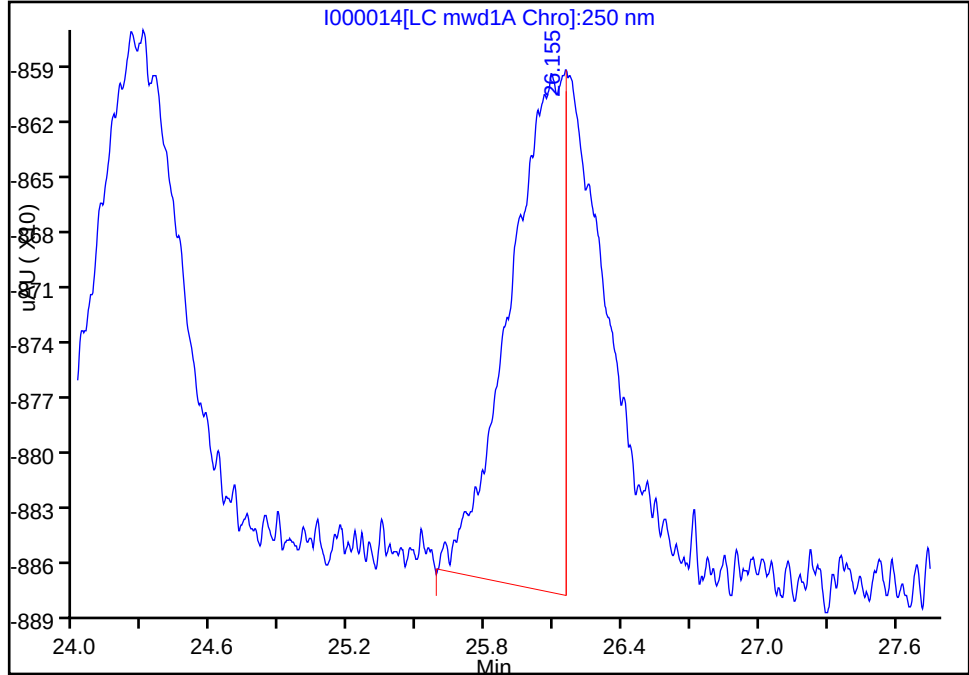
TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20130108-2133.b\I000014.D
Injection Date: 09-Jan-2013 18:30:53 Limit Group: LC 8330B ICAL
Client ID: Instrument ID: LC10
Lims Batch ID: 8413 Lims Sample ID: 13
Operator ID: RN Injection Vol: 500.0 ul
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm

8 m-Nitrotoluene, Signal: 1, Type: quant, RT: 26.14, Det: LC mwd1A

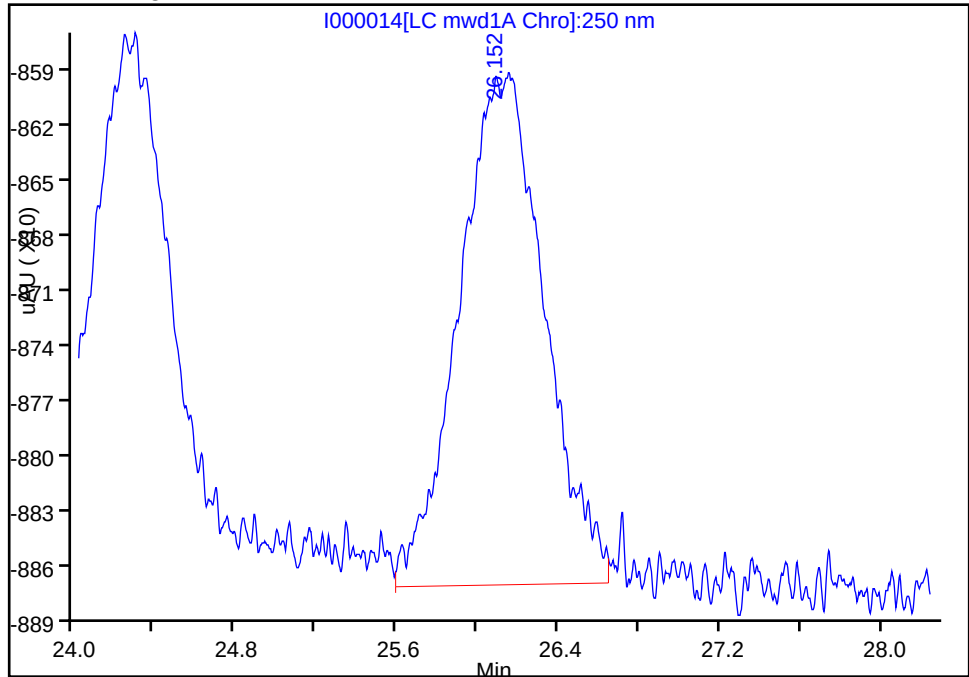
RT: 26.15
Response: 276
Amount: 5.140215

Processing Integration Results



RT: 26.15
Response: 268
Amount: 4.991223

Manual Integration Results



Reviewer: noonanr, 10-Jan-2013 07:20:28
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

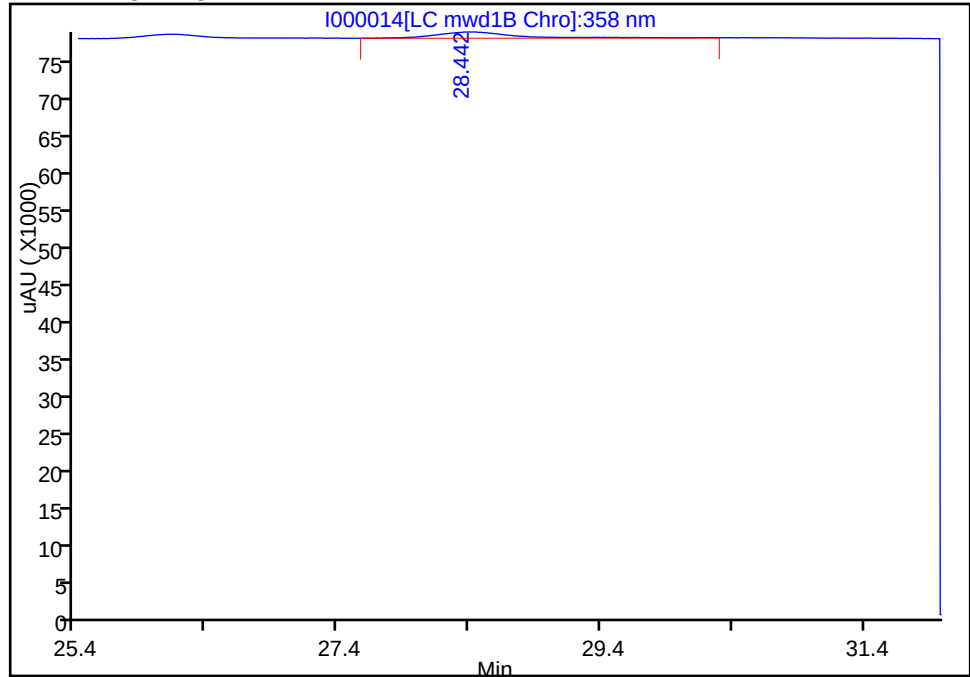
TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\LC10\20130108-2133.b\I000014.D
Injection Date: 09-Jan-2013 18:30:53 Limit Group: LC 8330B ICAL
Client ID: Instrument ID: LC10
Lims Batch ID: 8413 Lims Sample ID: 13
Operator ID: RN Injection Vol: 500.0 ul
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm

21 PETN, Signal: 1, Type: quant, RT: 28.43, Det: LC mwd1B

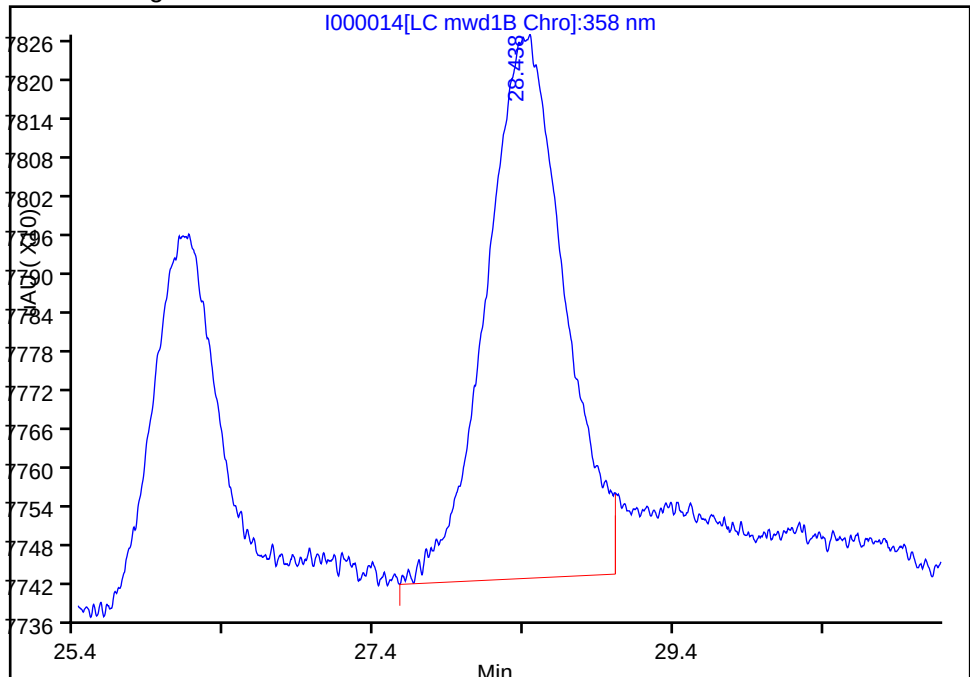
RT: 28.44
Response: 843
Amount: 21.229088

Processing Integration Results



RT: 28.44
Response: 843
Amount: 21.229088

Manual Integration Results



Reviewer: noonanr, 10-Jan-2013 07:20:28
Audit Action: Split an Integrated Peak
Audit Reason: Split Peak

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1
 SDG No.: _____
 Lab Sample ID: CCV 320-12703/3 Calibration Date: 03/21/2013 11:30
 Instrument ID: LC10 Calib Start Date: 01/09/2013 11:49
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 01/09/2013 16:30
 Lab File ID: U000003.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	129.6	129.0		199	200	-0.4	20.0
RDX	Ave	92.77	87.75		189	200	-5.4	20.0
Ethylene glycol dinitrate	Ave	111.2	112.3		202	200	1.0	20.0
Picric acid	Ave	118.9	121.6		512	500	2.3	20.0
1,3,5-Trinitrobenzene	Ave	168.9	165.8		196	200	-1.8	20.0
1,3-Dinitrobenzene	Ave	166.1	163.2		197	200	-1.7	20.0
3,5-Dinitroaniline	Ave	106.3	103.9		196	200	-2.2	20.0
Tetryl	Ave	84.71	83.05		196	200	-2.0	20.0
Nitrobenzene	Ave	73.73	71.65		194	200	-2.8	20.0
Nitroglycerin	Ave	70.07	67.30		192	200	-4.0	20.0
2,4,6-Trinitrotoluene	Ave	90.82	89.09		196	200	-1.9	20.0
4-Amino-2,6-dinitrotoluene	Ave	81.64	80.12		196	200	-1.9	20.0
2-Amino-4,6-dinitrotoluene	Ave	86.03	84.30		196	200	-2.0	20.0
2,6-Dinitrotoluene	Ave	61.12	59.44		195	200	-2.7	20.0
2,4-Dinitrotoluene	Ave	99.31	97.07		195	200	-2.3	20.0
2-Nitrotoluene	Ave	43.50	41.81		192	200	-3.9	20.0
4-Nitrotoluene	Ave	52.02	50.39		194	200	-3.1	20.0
3-Nitrotoluene	Ave	53.69	51.71		193	200	-3.7	20.0
PETN	Ave	39.71	39.19		197	200	-1.3	20.0
3,4-Dinitrotoluene	Ave	58.25	55.02		189	200	-5.5	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1
 SDG No.: _____
 Lab Sample ID: CCV 320-12703/3 Calibration Date: 03/21/2013 11:30
 Instrument ID: LC10 Calib Start Date: 01/09/2013 11:49
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 01/09/2013 16:30
 Lab File ID: U000003.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.21	4.96	5.46
RDX	7.47	7.22	7.72
Ethylene glycol dinitrate	8.15	7.90	8.40
Picric acid	8.52	8.27	8.77
1,3,5-Trinitrobenzene	9.78	9.53	10.03
1,3-Dinitrobenzene	12.40	12.15	12.65
3,5-Dinitroaniline	13.16	12.91	13.41
Tetryl	13.54	13.29	13.79
Nitrobenzene	14.12	13.87	14.37
Nitroglycerin	14.74	14.49	14.99
2,4,6-Trinitrotoluene	15.62	15.37	15.87
4-Amino-2,6-dinitrotoluene	16.20	15.95	16.45
2-Amino-4,6-dinitrotoluene	17.16	16.91	17.41
2,6-Dinitrotoluene	18.72	18.47	18.97
2,4-Dinitrotoluene	19.36	19.11	19.61
2-Nitrotoluene	22.67	22.42	22.92
4-Nitrotoluene	24.32	24.07	24.57
3-Nitrotoluene	26.17	25.92	26.42
PETN	28.38	28.13	28.63
3,4-Dinitrotoluene	16.66	16.41	16.91

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130321-3391.b\U000003.D
 Lims ID: CCV 06 Client ID:
 Inject. Date: 21-Mar-2013 11:30:59 Dil. Factor: 1.0000
 Sample Type: CCVRT
 Sample ID: 320-0003391-003
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 2
 Lims Batch ID: 12703 Lims Sample ID: 3
 Sublist: chrom-8330_LC10*sub1
 Method: \\SACChrom\ChromData\LC10\20130321-3391.b\8330_LC10.m
 Last Update: 21-Mar-2013 12:41:04 Calib Date: 09-Jan-2013 16:30:35
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20130108-2133.b\I000011.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK014

First Level Reviewer: noonanr

Date: 21-Mar-2013 12:41:04

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

11 HMX						
1	5.210	5.210	0.0	25801	199.1	
19 RDX						
1	7.473	7.473	0.0	17549	189.2	
3 Ethylene glycol dinitrate						
2	8.146	8.146	0.0	22456	202.0	
10 2,4,6-Trinitrophenol						
2	8.520	8.520	0.0	60820	511.6	
1	8.520	8.520	0.0	42240	498.1	
27 1,3,5-Trinitrobenzene						
1	9.776	9.776	0.0	33162	196.4	
24 1,3-Dinitrobenzene						
1	12.400	12.400	0.0	32645	196.6	
9 3,5-Dinitroaniline						
1	13.157	13.157	0.0	20780	195.6	
20 Tetryl						
1	13.537	13.537	0.0	16610	196.1	
5 Nitrobenzene						
1	14.123	14.123	0.0	14330	194.3	
7 Nitroglycerin						
2	14.740	14.740	0.0	13459	192.1	
25 2,4,6-Trinitrotoluene						
1	15.617	15.617	0.0	17818	196.2	
26 4-Amino-2,6-dinitrotoluene						
1	16.197	16.197	0.0	16023	196.3	
\$ 30 3,4-Dinitrotoluene						
1	16.660	16.660	0.0	11004	188.9	
2	16.660	16.660	0.0	20942	192.6	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.163	17.163	0.0	16859	196.0	
12 2,6-Dinitrotoluene						
1	18.723	18.723	0.0	11888	194.5	
23 2,4-Dinitrotoluene						
1	19.357	19.357	0.0	19413	195.5	
16 o-Nitrotoluene						
1	22.670	22.670	0.0	8361	192.2	
15 p-Nitrotoluene						
1	24.323	24.323	0.0	10077	193.7	
8 m-Nitrotoluene						
1	26.170	26.170	0.0	10342	192.6	
21 PETN						
2	28.377	28.377	0.0	7838	197.4	

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130321-3391.b\U000003.D

Injection Date: 21-Mar-2013 11:30:59

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 12703

Lims Sample ID: 3

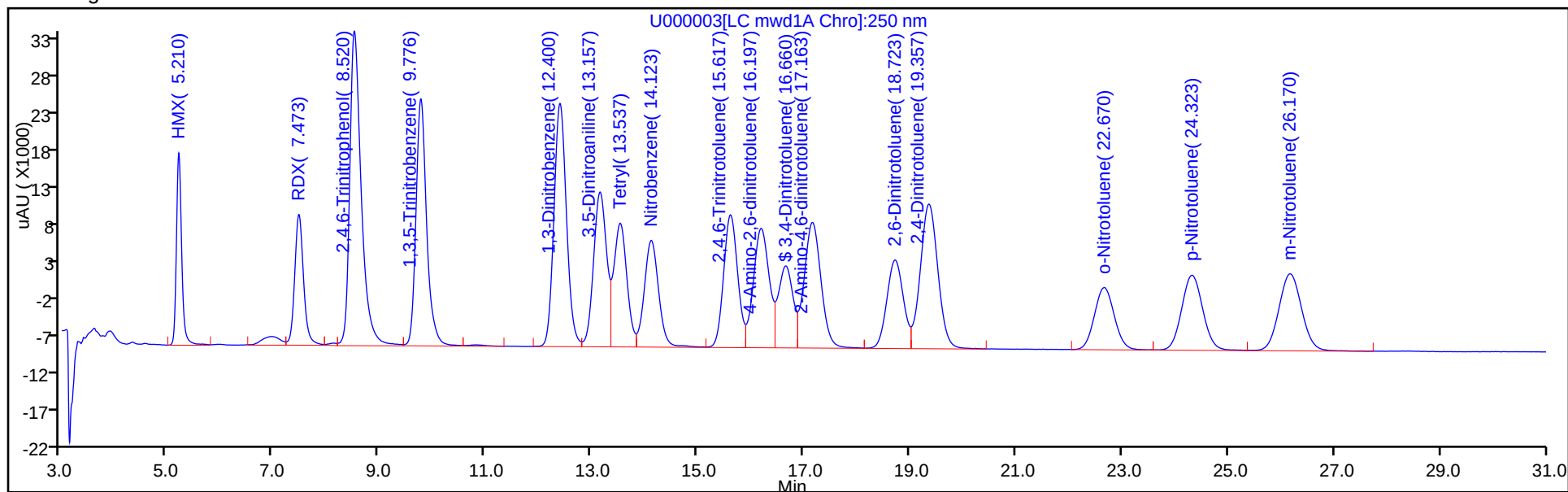
Operator ID: RN

Injection Vol: 500.0 ul

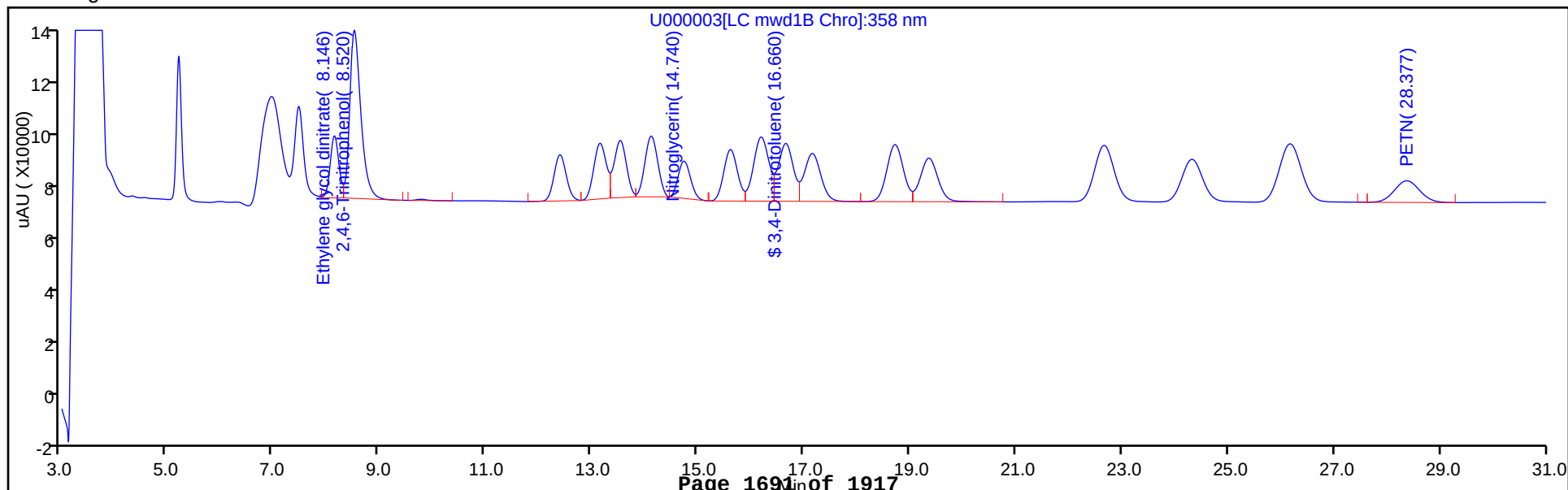
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1
 SDG No.: _____
 Lab Sample ID: CCVL 320-12703/4 Calibration Date: 03/21/2013 12:11
 Instrument ID: LC10 Calib Start Date: 01/09/2013 11:49
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 01/09/2013 16:30
 Lab File ID: U000004.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	129.6	141.4		5.46	5.00	9.1	30.0
RDX	Ave	92.77	116.6		6.28	5.00	25.7	30.0
1,3,5-Trinitrobenzene	Ave	168.9	189.4		5.61	5.00	12.2	30.0
1,3-Dinitrobenzene	Ave	166.1	174.8		5.26	5.00	5.3	30.0
3,5-Dinitroaniline	Ave	106.3	111.0		5.22	5.00	4.5	30.0
Tetryl	Ave	84.71	91.20		5.38	5.00	7.7	30.0
Nitrobenzene	Ave	73.73	69.40		4.71	5.00	-5.9	30.0
Nitroglycerin	Ave	70.07	76.55		21.8	20.0	9.2	30.0
2,4,6-Trinitrotoluene	Ave	90.82	99.20		5.46	5.00	9.2	30.0
4-Amino-2,6-dinitrotoluene	Ave	81.64	87.00		5.33	5.00	6.6	30.0
2-Amino-4,6-dinitrotoluene	Ave	86.03	93.20		5.42	5.00	8.3	30.0
2,6-Dinitrotoluene	Ave	61.12	62.60		5.12	5.00	2.4	30.0
2,4-Dinitrotoluene	Ave	99.31	102.8		5.18	5.00	3.5	30.0
2-Nitrotoluene	Ave	43.50	40.40		4.64	5.00	-7.1	30.0
4-Nitrotoluene	Ave	52.02	50.00		4.81	5.00	-3.9	30.0
3-Nitrotoluene	Ave	53.69	56.20		5.23	5.00	4.7	30.0
PETN	Ave	39.71	47.00		23.7	20.0	18.4	30.0
3,4-Dinitrotoluene	Ave	58.25	53.10		18.2	20.0	-8.8	30.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1
 SDG No.: _____
 Lab Sample ID: CCVL 320-12703/4 Calibration Date: 03/21/2013 12:11
 Instrument ID: LC10 Calib Start Date: 01/09/2013 11:49
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 01/09/2013 16:30
 Lab File ID: U000004.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.21	4.96	5.46
RDX	7.47	7.22	7.72
1,3,5-Trinitrobenzene	9.77	9.52	10.02
1,3-Dinitrobenzene	12.40	12.15	12.65
3,5-Dinitroaniline	13.12	12.87	13.37
Tetryl	13.53	13.28	13.78
Nitrobenzene	14.09	13.84	14.34
Nitroglycerin	14.74	14.49	14.99
2,4,6-Trinitrotoluene	15.62	15.37	15.87
4-Amino-2,6-dinitrotoluene	16.18	15.93	16.43
2-Amino-4,6-dinitrotoluene	17.15	16.90	17.40
2,6-Dinitrotoluene	18.74	18.49	18.99
2,4-Dinitrotoluene	19.39	19.14	19.64
2-Nitrotoluene	22.67	22.42	22.92
4-Nitrotoluene	24.34	24.09	24.59
3-Nitrotoluene	26.25	26.00	26.50
PETN	28.41	28.16	28.66
3,4-Dinitrotoluene	16.65	16.40	16.90

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130321-3391.b\U000004.D
 Lims ID: CCVL Client ID:
 Inject. Date: 21-Mar-2013 12:11:14 Dil. Factor: 1.0000
 Sample Type: CCVL
 Sample ID: 320-0003391-004
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 10
 Lims Batch ID: 12703 Lims Sample ID: 4
 Sublist: chrom-8330_LC10*sub2
 Method: \\SACChrom\ChromData\LC10\20130321-3391.b\8330_LC10.m
 Last Update: 21-Mar-2013 13:16:25 Calib Date: 09-Jan-2013 16:30:35
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20130108-2133.b\I000011.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK014

First Level Reviewer: noonanr

Date: 21-Mar-2013 13:16:25

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

11 HMX
 1 5.208 5.208 0.0 707 5.46
 19 RDX
 1 7.474 7.474 0.0 583 6.28
 27 1,3,5-Trinitrobenzene
 1 9.774 9.774 0.0 947 5.61
 24 1,3-Dinitrobenzene
 1 12.404 12.404 0.0 874 5.26
 9 3,5-Dinitroaniline
 1 13.124 13.124 0.0 555 5.22
 20 Tetryl
 1 13.534 13.534 0.0 456 5.38
 5 Nitrobenzene
 1 14.088 14.088 0.0 347 4.71
 7 Nitroglycerin
 2 14.738 14.738 0.0 1531 21.8
 25 2,4,6-Trinitrotoluene
 1 15.621 15.621 0.0 496 5.46
 26 4-Amino-2,6-dinitrotoluene
 1 16.184 16.184 0.0 435 5.33
 \$ 30 3,4-Dinitrotoluene
 1 16.651 16.651 0.0 1062 18.2
 2 16.648 16.648 0.0 2233 20.5
 6 2-Amino-4,6-dinitrotoluene
 1 17.151 17.151 0.0 466 5.42
 12 2,6-Dinitrotoluene
 1 18.738 18.738 0.0 313 5.12

Data File: \\SACChrom\ChromData\LC10\20130321-3391.b\U000004.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
23 2,4-Dinitrotoluene						
1	19.391	19.391	0.0	514	5.18	
16 o-Nitrotoluene						
1	22.668	22.670	-0.002	202	4.64	M
15 p-Nitrotoluene						
1	24.338	24.338	0.0	250	4.81	M
8 m-Nitrotoluene						
1	26.254	26.254	0.0	281	5.23	
21 PETN						
2	28.411	28.411	0.0	940	23.7	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 21-Mar-2013 13:16:26

Chrom Revision: 2.1 18-Mar-2013 20:34:14

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130321-3391.b\U000004.D

Injection Date: 21-Mar-2013 12:11:14

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 12703

Lims Sample ID: 4

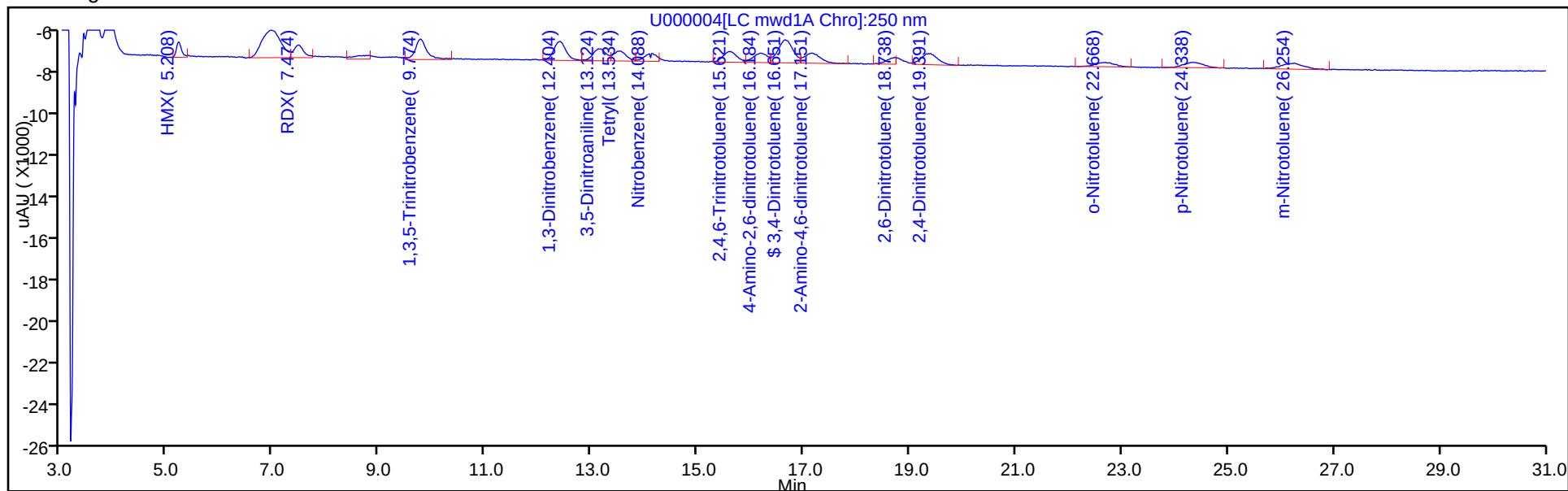
Operator ID: RN

Injection Vol: 500.0 ul

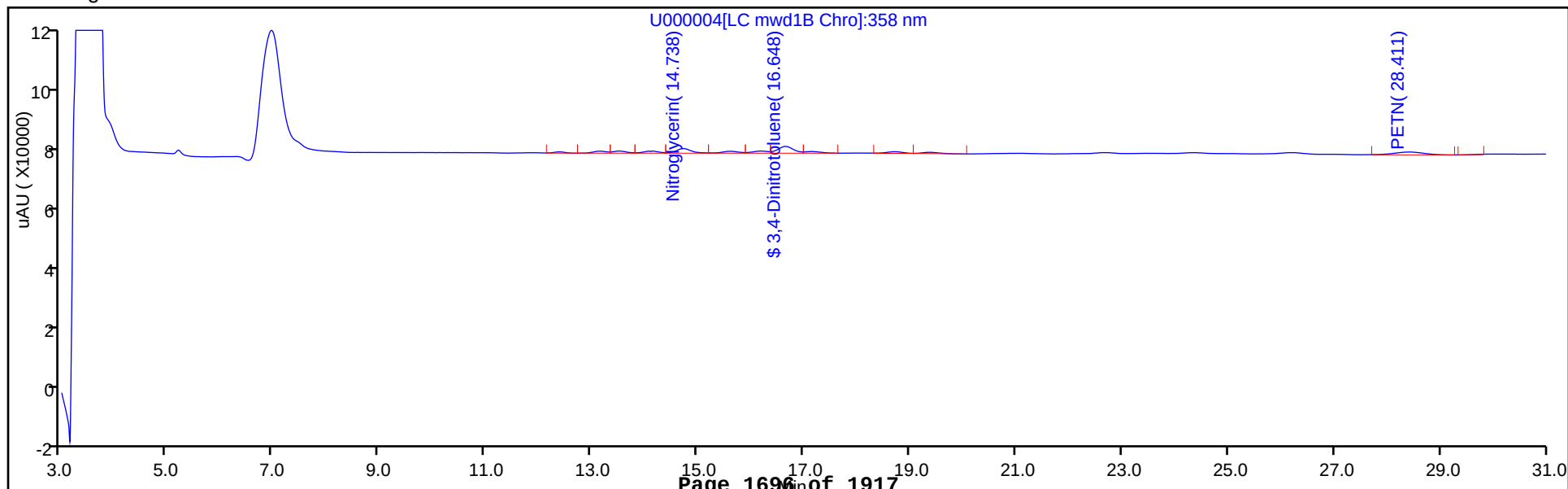
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130321-3391.b\U000004.D

Injection Date: 21-Mar-2013 12:11:14

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 12703

Lims Sample ID: 4

Operator ID: RN

Injection Vol: 500.0 ul

Column Type: Synergi Hydro-RP C18

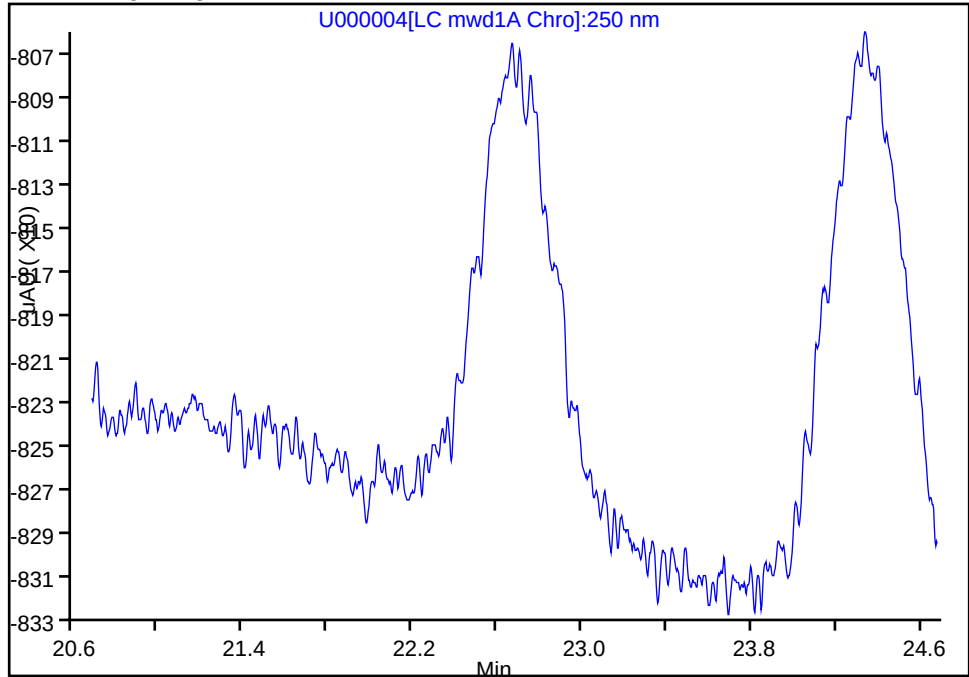
Column Dia: 4.60 mm

16 o-Nitrotoluene, Signal: 1, Type: quant, RT: 22.67, Det: LC mwd1A

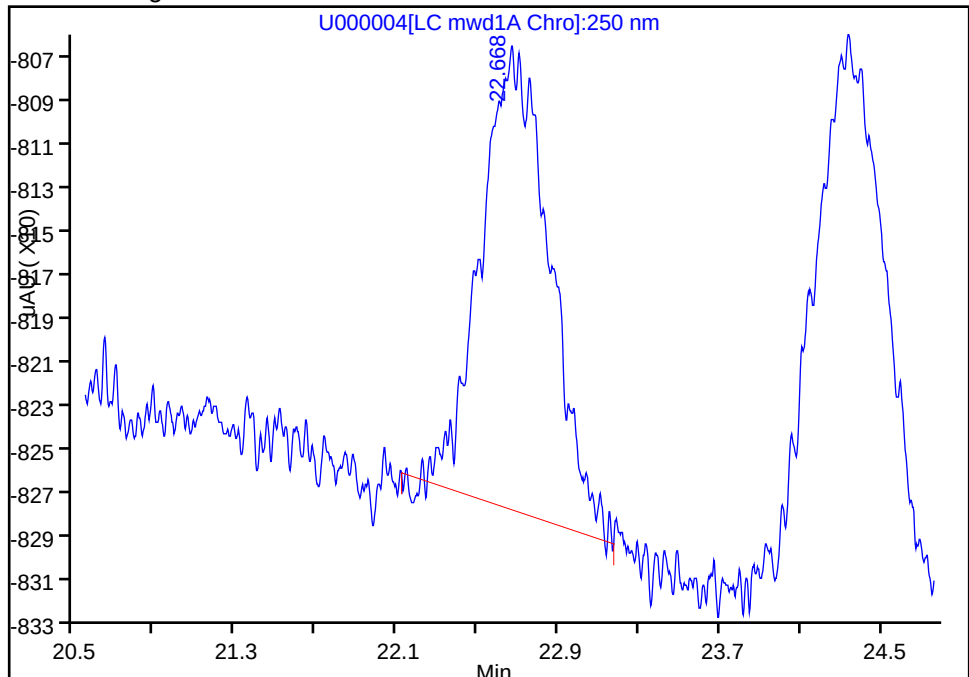
Not Detected

Expected RT: 22.67

Processing Integration Results



Manual Integration Results



RT: 22.67

Response: 202

Amount: 4.644052

Reviewer: noonanr, 21-Mar-2013 13:16:25

Audit Action: Manually Integrated/Assigned Compound ID

Audit Reason: Peak not integrated

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130321-3391.b\U000004.D

Injection Date: 21-Mar-2013 12:11:14

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 12703

Lims Sample ID: 4

Operator ID: RN

Injection Vol: 500.0 ul

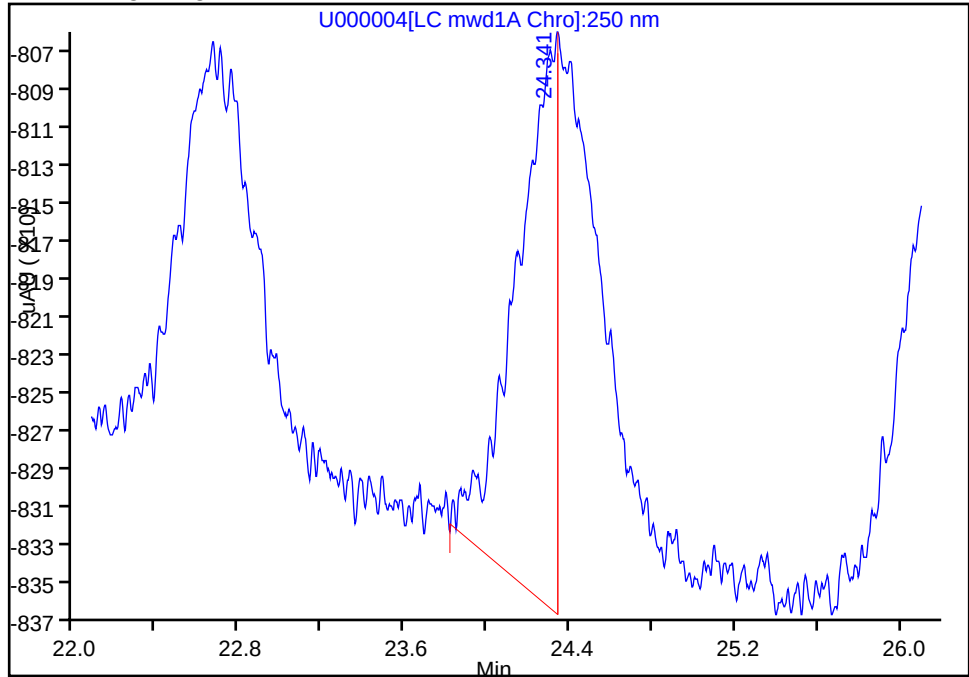
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

15 p-Nitrotoluene, Signal: 1, Type: quant, RT: 24.34, Det: LC mwd1A

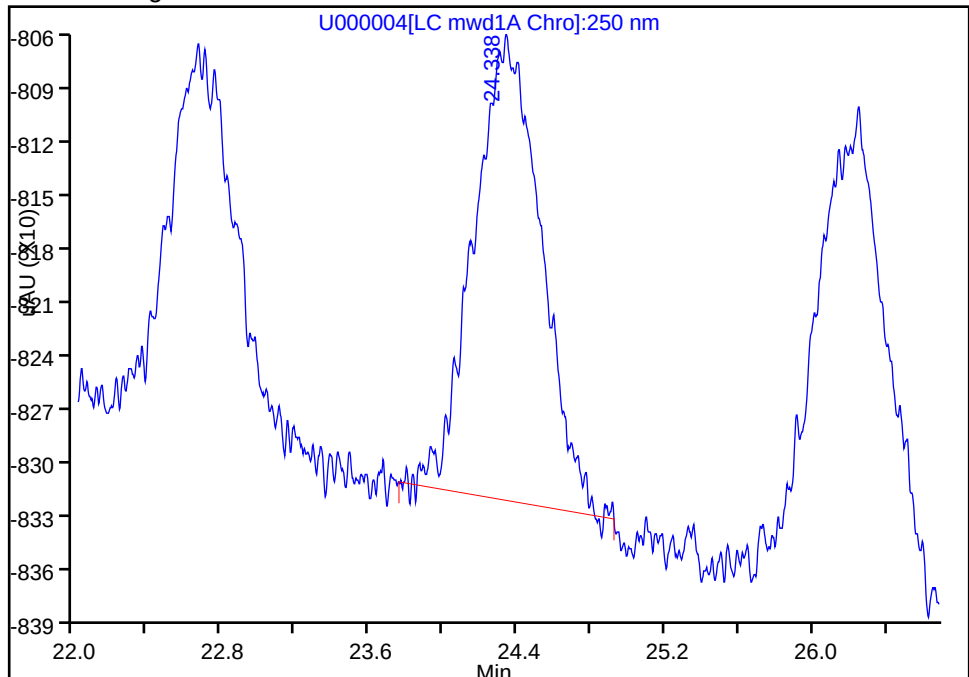
RT: 24.34
Response: 295
Amount: 5.671223

Processing Integration Results



RT: 24.34
Response: 250
Amount: 4.806121

Manual Integration Results



Reviewer: noonanr, 21-Mar-2013 13:16:25

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1
 SDG No.: _____
 Lab Sample ID: CCV 320-12703/14 Calibration Date: 03/21/2013 18:52
 Instrument ID: LC10 Calib Start Date: 01/09/2013 11:49
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 01/09/2013 16:30
 Lab File ID: U000014.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	129.6	130.9		101	100	1.0	20.0
RDX	Ave	92.77	89.49		96.5	100	-3.5	20.0
Ethylene glycol dinitrate	Ave	111.2	109.3		98.3	100	-1.7	20.0
Picric acid	Ave	118.9	122.9		258	250	3.3	20.0
1,3,5-Trinitrobenzene	Ave	168.9	167.8		99.4	100	-0.6	20.0
1,3-Dinitrobenzene	Ave	166.1	165.9		99.9	100	-0.1	20.0
3,5-Dinitroaniline	Ave	106.3	105.1		98.9	100	-1.1	20.0
Tetryl	Ave	84.71	82.75		97.7	100	-2.3	20.0
Nitrobenzene	Ave	73.73	72.77		98.7	100	-1.3	20.0
Nitroglycerin	Ave	70.07	66.53		94.9	100	-5.1	20.0
2,4,6-Trinitrotoluene	Ave	90.82	88.96		98.0	100	-2.0	20.0
4-Amino-2,6-dinitrotoluene	Ave	81.64	80.37		98.4	100	-1.6	20.0
2-Amino-4,6-dinitrotoluene	Ave	86.03	84.34		98.0	100	-2.0	20.0
2,6-Dinitrotoluene	Ave	61.12	59.41		97.2	100	-2.8	20.0
2,4-Dinitrotoluene	Ave	99.31	96.90		97.6	100	-2.4	20.0
2-Nitrotoluene	Ave	43.50	41.66		95.8	100	-4.2	20.0
4-Nitrotoluene	Ave	52.02	49.93		96.0	100	-4.0	20.0
3-Nitrotoluene	Ave	53.69	51.21		95.4	100	-4.6	20.0
PETN	Ave	39.71	37.80		95.2	100	-4.8	20.0
3,4-Dinitrotoluene	Ave	58.25	54.93		94.3	100	-5.7	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1
 SDG No.: _____
 Lab Sample ID: CCV 320-12703/14 Calibration Date: 03/21/2013 18:52
 Instrument ID: LC10 Calib Start Date: 01/09/2013 11:49
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 01/09/2013 16:30
 Lab File ID: U000014.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.21	4.96	5.46
RDX	7.48	7.23	7.73
Ethylene glycol dinitrate	8.15	7.90	8.40
Picric acid	8.56	8.31	8.81
1,3,5-Trinitrobenzene	9.78	9.53	10.03
1,3-Dinitrobenzene	12.40	12.15	12.65
3,5-Dinitroaniline	13.16	12.91	13.41
Tetryl	13.53	13.28	13.78
Nitrobenzene	14.13	13.88	14.38
Nitroglycerin	14.74	14.49	14.99
2,4,6-Trinitrotoluene	15.62	15.37	15.87
4-Amino-2,6-dinitrotoluene	16.20	15.95	16.45
2-Amino-4,6-dinitrotoluene	17.17	16.92	17.42
2,6-Dinitrotoluene	18.73	18.48	18.98
2,4-Dinitrotoluene	19.37	19.12	19.62
2-Nitrotoluene	22.70	22.45	22.95
4-Nitrotoluene	24.36	24.11	24.61
3-Nitrotoluene	26.24	25.99	26.49
PETN	28.43	28.18	28.68
3,4-Dinitrotoluene	16.66	16.41	16.91

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130321-3391.b\U000014.D
 Lims ID: CCV 05 Client ID:
 Inject. Date: 21-Mar-2013 18:52:27 Dil. Factor: 1.0000
 Sample Type: CCVRT
 Sample ID: 320-0003391-014
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 3
 Lims Batch ID: 12703 Lims Sample ID: 14
 Sublist: chrom-8330_LC10*sub1
 Method: \\SACChrom\ChromData\LC10\20130321-3391.b\8330_LC10.m
 Last Update: 22-Mar-2013 08:14:54 Calib Date: 09-Jan-2013 16:30:35
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20130108-2133.b\I000011.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: 22-Mar-2013 08:14:54

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

11 HMX						
1	5.206	5.206	0.0	13090	101.0	
19 RDX						
1	7.476	7.476	0.0	8949	96.5	
3 Ethylene glycol dinitrate						
2	8.150	8.150	0.0	10926	98.3	
10 2,4,6-Trinitrophenol						
2	8.560	8.560	0.0	30717	258.4	
1	8.560	8.560	0.0	21903	258.3	
27 1,3,5-Trinitrobenzene						
1	9.776	9.776	0.0	16783	99.4	
24 1,3-Dinitrobenzene						
1	12.403	12.403	0.0	16586	99.9	
9 3,5-Dinitroaniline						
1	13.160	13.160	0.0	10510	98.9	
20 Tetryl						
1	13.533	13.533	0.0	8275	97.7	
5 Nitrobenzene						
1	14.126	14.126	0.0	7277	98.7	
7 Nitroglycerin						
2	14.740	14.740	0.0	6653	94.9	
25 2,4,6-Trinitrotoluene						
1	15.616	15.616	0.0	8896	98.0	
26 4-Amino-2,6-dinitrotoluene						
1	16.196	16.196	0.0	8037	98.4	
\$ 30 3,4-Dinitrotoluene						
1	16.660	16.660	0.0	5493	94.3	
2	16.660	16.660	0.0	10463	96.2	

Data File: \\SACChrom\ChromData\LC10\20130321-3391.b\U000014.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.166	17.166	0.0	8434	98.0	
12 2,6-Dinitrotoluene						
1	18.730	18.730	0.0	5941	97.2	
23 2,4-Dinitrotoluene						
1	19.373	19.373	0.0	9690	97.6	
16 o-Nitrotoluene						
1	22.700	22.700	0.0	4166	95.8	
15 p-Nitrotoluene						
1	24.363	24.363	0.0	4993	96.0	
8 m-Nitrotoluene						
1	26.236	26.236	0.0	5121	95.4	
21 PETN						
2	28.426	28.426	0.0	3780	95.2	

Report Date: 22-Mar-2013 08:14:55

Chrom Revision: 2.1 18-Mar-2013 20:34:14

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130321-3391.b\U000014.D

Injection Date: 21-Mar-2013 18:52:27

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 12703

Lims Sample ID: 14

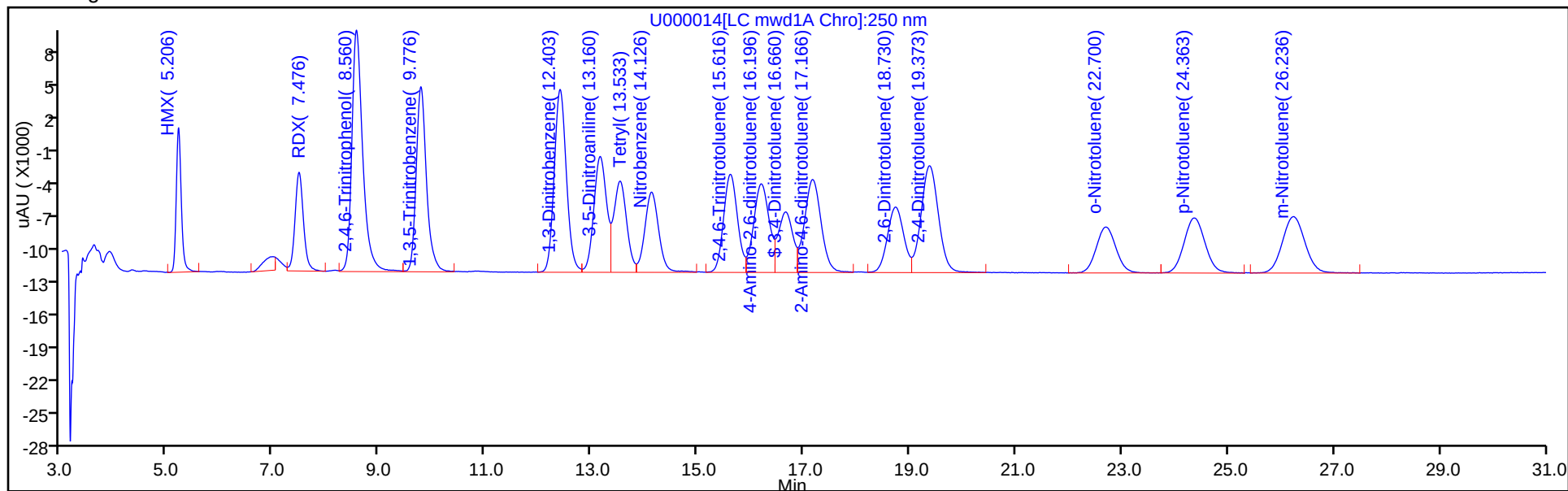
Operator ID: RN

Injection Vol: 500.0 ul

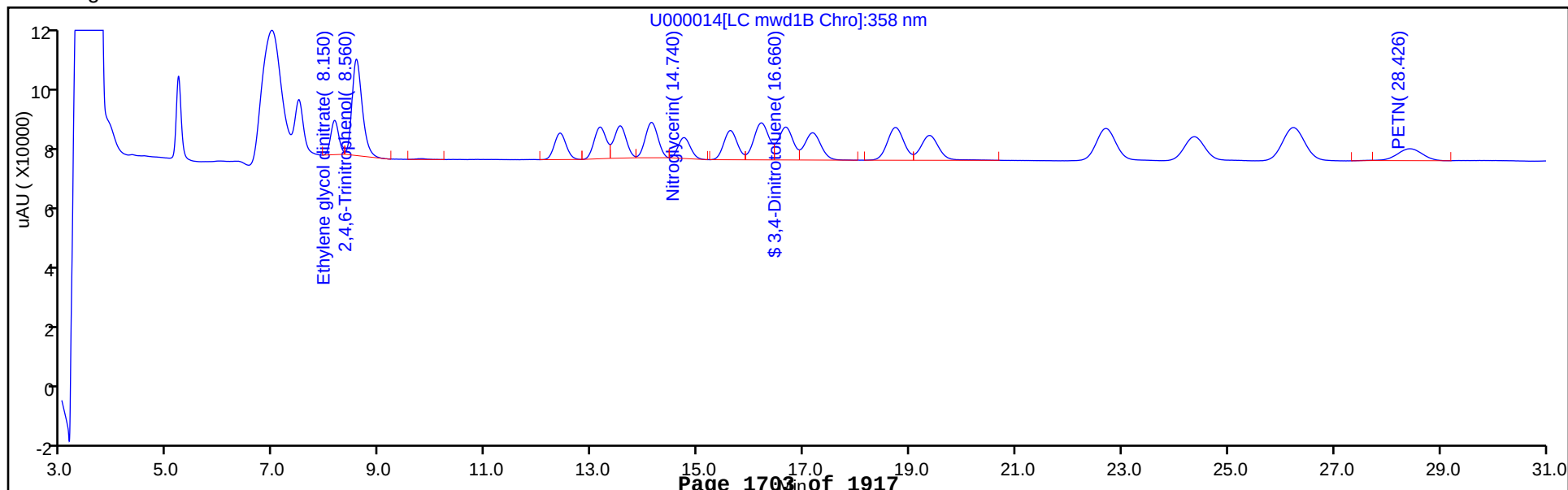
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1
 SDG No.: _____
 Lab Sample ID: CCVL 320-12703/15 Calibration Date: 03/21/2013 19:32
 Instrument ID: LC10 Calib Start Date: 01/09/2013 11:49
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 01/09/2013 16:30
 Lab File ID: U000015.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	129.6	139.4		5.38	5.00	7.6	30.0
RDX	Ave	92.77	113.4		6.11	5.00	22.2	30.0
1,3,5-Trinitrobenzene	Ave	168.9	181.8		5.38	5.00	7.7	30.0
1,3-Dinitrobenzene	Ave	166.1	176.0		5.30	5.00	6.0	30.0
3,5-Dinitroaniline	Ave	106.3	114.4		5.38	5.00	7.7	30.0
Tetryl	Ave	84.71	98.00		5.78	5.00	15.7	30.0
Nitrobenzene	Ave	73.73	71.80		4.87	5.00	-2.6	30.0
Nitroglycerin	Ave	70.07	76.95		22.0	20.0	9.8	30.0
2,4,6-Trinitrotoluene	Ave	90.82	99.6		5.48	5.00	9.7	30.0
4-Amino-2,6-dinitrotoluene	Ave	81.64	90.00		5.51	5.00	10.2	30.0
2-Amino-4,6-dinitrotoluene	Ave	86.03	93.80		5.45	5.00	9.0	30.0
2,6-Dinitrotoluene	Ave	61.12	64.80		5.30	5.00	6.0	30.0
2,4-Dinitrotoluene	Ave	99.31	106.8		5.38	5.00	7.5	30.0
2-Nitrotoluene	Ave	43.50	45.20		5.20	5.00	3.9	30.0
4-Nitrotoluene	Ave	52.02	52.40		5.04	5.00	0.7	30.0
3-Nitrotoluene	Ave	53.69	52.20		4.86	5.00	-2.8	30.0
PETN	Ave	39.71	41.90		21.1	20.0	5.5	30.0
3,4-Dinitrotoluene	Ave	58.25	52.90		18.2	20.0	-9.2	30.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1
 SDG No.: _____
 Lab Sample ID: CCVL 320-12703/15 Calibration Date: 03/21/2013 19:32
 Instrument ID: LC10 Calib Start Date: 01/09/2013 11:49
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 01/09/2013 16:30
 Lab File ID: U000015.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.21	4.96	5.46
RDX	7.49	7.24	7.74
1,3,5-Trinitrobenzene	9.78	9.53	10.03
1,3-Dinitrobenzene	12.43	12.18	12.68
3,5-Dinitroaniline	13.17	12.92	13.42
Tetryl	13.55	13.30	13.80
Nitrobenzene	14.19	13.94	14.44
Nitroglycerin	14.78	14.53	15.03
2,4,6-Trinitrotoluene	15.64	15.39	15.89
4-Amino-2,6-dinitrotoluene	16.22	15.97	16.47
2-Amino-4,6-dinitrotoluene	17.21	16.96	17.46
2,6-Dinitrotoluene	18.79	18.54	19.04
2,4-Dinitrotoluene	19.42	19.17	19.67
2-Nitrotoluene	22.73	22.48	22.98
4-Nitrotoluene	24.41	24.16	24.66
3-Nitrotoluene	26.22	25.97	26.47
PETN	28.47	28.22	28.72
3,4-Dinitrotoluene	16.71	16.46	16.96

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130321-3391.b\U000015.D
 Lims ID: CCVL Client ID:
 Inject. Date: 21-Mar-2013 19:32:40 Dil. Factor: 1.0000
 Sample Type: CCVL
 Sample ID: 320-0003391-015
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 10
 Lims Batch ID: 12703 Lims Sample ID: 15
 Sublist: chrom-8330_LC10*sub2
 Method: \\SACChrom\ChromData\LC10\20130321-3391.b\8330_LC10.m
 Last Update: 22-Mar-2013 08:15:37 Calib Date: 09-Jan-2013 16:30:35
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20130108-2133.b\I000011.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: 22-Mar-2013 08:15:37

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

11 HMX
 1 5.211 5.211 0.0 697 5.38
 19 RDX
 1 7.487 7.487 0.0 567 6.11
 27 1,3,5-Trinitrobenzene
 1 9.784 9.784 0.0 909 5.38
 24 1,3-Dinitrobenzene
 1 12.434 12.434 0.0 880 5.30
 9 3,5-Dinitroaniline
 1 13.171 13.171 0.0 572 5.38
 20 Tetryl
 1 13.554 13.554 0.0 490 5.78
 5 Nitrobenzene
 1 14.191 14.191 0.0 359 4.87
 7 Nitroglycerin
 2 14.777 14.777 0.0 1539 22.0
 25 2,4,6-Trinitrotoluene
 1 15.637 15.637 0.0 498 5.48
 26 4-Amino-2,6-dinitrotoluene
 1 16.217 16.217 0.0 450 5.51
 \$ 30 3,4-Dinitrotoluene
 1 16.714 16.714 0.0 1058 18.2
 2 16.704 16.704 0.0 2092 19.2
 6 2-Amino-4,6-dinitrotoluene
 1 17.214 17.214 0.0 469 5.45
 12 2,6-Dinitrotoluene
 1 18.794 18.794 0.0 324 5.30

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
23 2,4-Dinitrotoluene						
1	19.421	19.421	0.0	534	5.38	
16 o-Nitrotoluene						
1	22.731	22.731	0.0	226	5.20	
15 p-Nitrotoluene						
1	24.411	24.411	0.0	262	5.04	
8 m-Nitrotoluene						
1	26.224	26.224	0.0	261	4.86	
21 PETN						
2	28.474	28.474	0.0	838	21.1	

Report Date: 22-Mar-2013 08:15:37

Chrom Revision: 2.1 18-Mar-2013 20:34:14

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130321-3391.b\U000015.D

Injection Date: 21-Mar-2013 19:32:40

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 12703

Lims Sample ID: 15

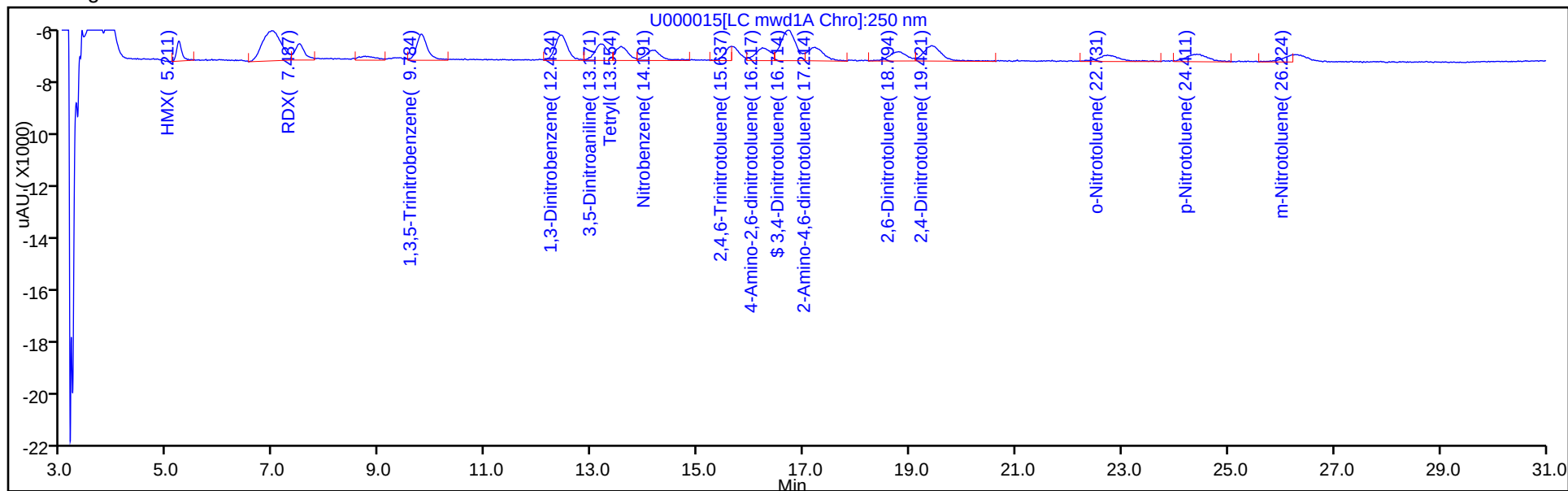
Operator ID: RN

Injection Vol: 500.0 ul

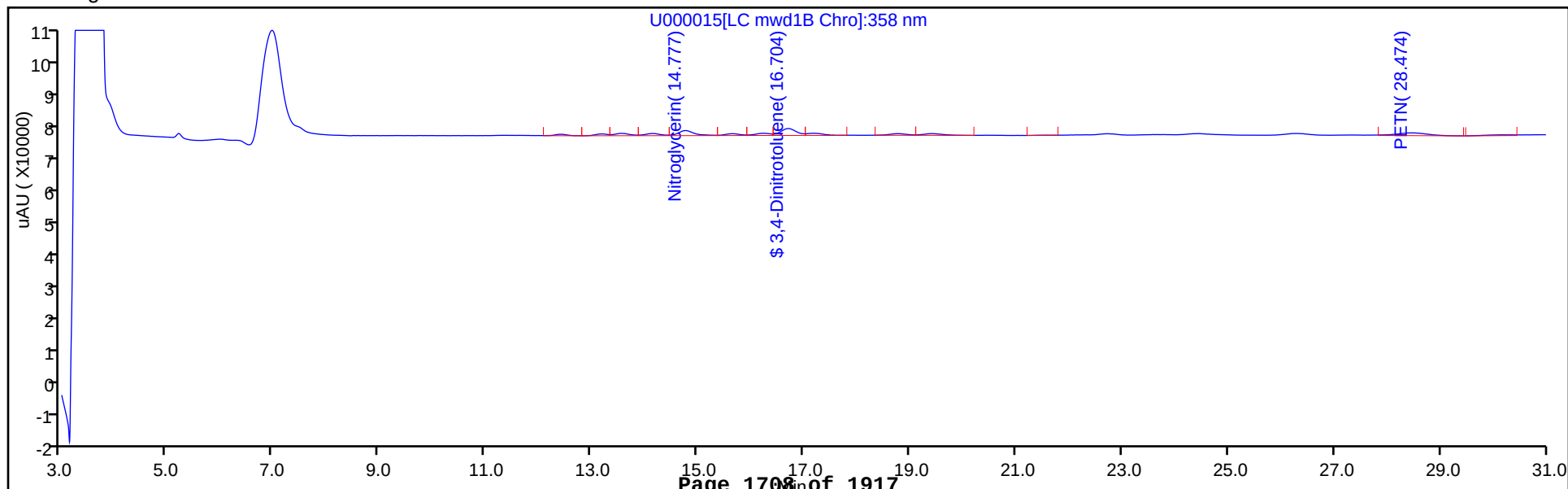
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 320-12565/1-A
 Matrix: Water Lab File ID: U000005.D
 Analysis Method: 8330B Date Collected: _____
 Extraction Method: 8330-Prep Date Extracted: 03/19/2013 13:52
 Sample wt/vol: 1000 (mL) Date Analyzed: 03/21/2013 12:51
 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.: 12703 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	87		79-111

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130321-3391.b\U000005.D
Lims ID: MB 320-12565/1-A Client ID:
Inject. Date: 21-Mar-2013 12:51:24 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 320-0003391-005
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 11
Lims Batch ID: 12703 Lims Sample ID: 5
Method: \\SACChrom\ChromData\LC10\20130321-3391.b\8330_LC10.m
Last Update: 21-Mar-2013 14:13:54 Calib Date: 09-Jan-2013 16:30:35
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20130108-2133.b\I000011.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK014

First Level Reviewer: noonanr

Date: 21-Mar-2013 14:13:54

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

\$ 30 3,4-Dinitrotoluene

1	16.749	16.651	0.098	6356	109.1	
2	16.746	16.648	0.098	12274	112.9	

Report Date: 21-Mar-2013 14:13:54

Chrom Revision: 2.1 18-Mar-2013 20:34:14

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130321-3391.b\U000005.D

Injection Date: 21-Mar-2013 12:51:24

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 12703

Lims Sample ID: 5

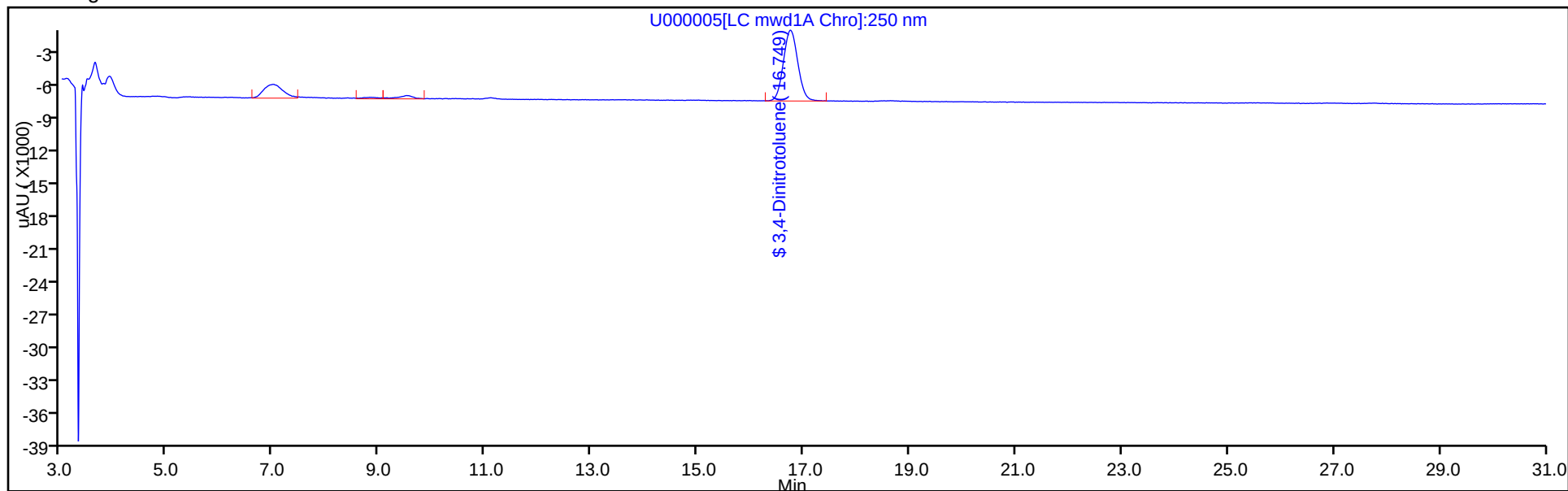
Operator ID: RN

Injection Vol: 500.0 ul

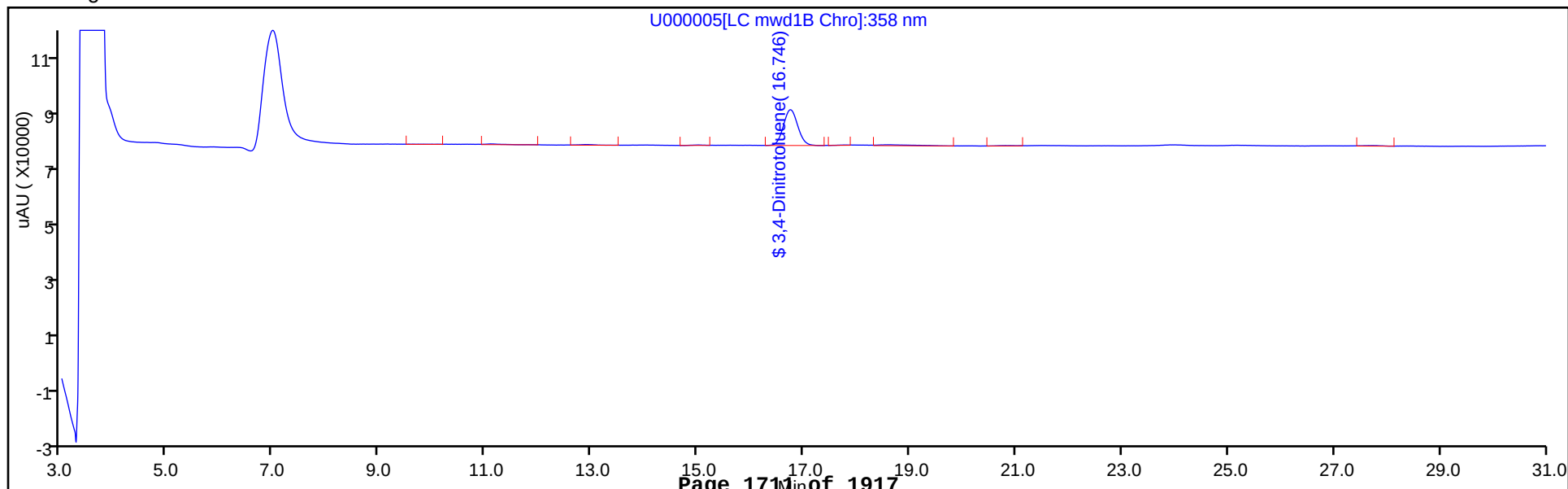
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 320-12565/2-A

Matrix: Water Lab File ID: U000006.D

Analysis Method: 8330B Date Collected: _____

Extraction Method: 8330-Prep Date Extracted: 03/19/2013 13:52

Sample wt/vol: 1000 (mL) Date Analyzed: 03/21/2013 13:31

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.: 12703 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
99-35-4	1,3,5-Trinitrobenzene	1.03		0.10	0.050	0.031
99-65-0	1,3-Dinitrobenzene	1.05		0.10	0.10	0.050
118-96-7	2,4,6-Trinitrotoluene	0.901		0.10	0.10	0.050
121-14-2	2,4-Dinitrotoluene	0.977		0.10	0.10	0.050
606-20-2	2,6-Dinitrotoluene	0.969		0.10	0.10	0.050
35572-78-2	2-Amino-4,6-dinitrotoluene	0.987		0.20	0.10	0.015
88-72-2	2-Nitrotoluene	0.930		0.50	0.10	0.088
99-08-1	3-Nitrotoluene	0.918		0.50	0.10	0.057
99-99-0	4-Nitrotoluene	0.933		0.50	0.10	0.088
19406-51-0	4-Amino-2,6-dinitrotoluene	0.983		0.10	0.10	0.050
2691-41-0	HMX	1.02		0.10	0.050	0.036
121-82-4	RDX	1.06		0.10	0.050	0.036
98-95-3	Nitrobenzene	1.01		0.10	0.10	0.050
479-45-8	Tetryl	0.881		0.10	0.10	0.050
55-63-0	Nitroglycerin	4.65		0.65	0.50	0.33
78-11-5	PETN	4.46		0.65	0.50	0.30

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	87		79-111

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130321-3391.b\U000006.D
 Lims ID: LCS 320-12565/2-A Client ID:
 Inject. Date: 21-Mar-2013 13:31:35 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: 320-0003391-006
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 12
 Lims Batch ID: 12703 Lims Sample ID: 6
 Method: \\SACChrom\ChromData\LC10\20130321-3391.b\8330_LC10.m
 Last Update: 21-Mar-2013 15:27:02 Calib Date: 09-Jan-2013 16:30:35
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20130108-2133.b\I000011.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK014

First Level Reviewer: noonanr

Date: 21-Mar-2013 15:27:02

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

11 HMX
 1 5.232 5.208 0.024 6619 51.1
 19 RDX
 1 7.529 7.474 0.055 4914 53.0
 27 1,3,5-Trinitrobenzene
 1 9.829 9.774 0.055 8684 51.4
 24 1,3-Dinitrobenzene
 1 12.476 12.404 0.072 8724 52.5
 9 3,5-Dinitroaniline
 1 13.242 13.124 0.118 5364 50.5
 20 Tetryl
 1 13.612 13.534 0.078 3730 44.0
 5 Nitrobenzene
 1 14.216 14.088 0.128 3706 50.3
 7 Nitroglycerin
 2 14.819 14.738 0.081 16302 232.7
 25 2,4,6-Trinitrotoluene
 1 15.696 15.621 0.075 4091 45.0
 26 4-Amino-2,6-dinitrotoluene
 1 16.306 16.184 0.122 4012 49.1
 \$ 30 3,4-Dinitrotoluene
 1 16.769 16.651 0.118 6314 108.4
 2 16.769 16.648 0.121 12246 112.6
 6 2-Amino-4,6-dinitrotoluene
 1 17.289 17.151 0.138 4246 49.4
 12 2,6-Dinitrotoluene
 1 18.839 18.738 0.101 2961 48.4
 23 2,4-Dinitrotoluene
 1 19.486 19.391 0.095 4852 48.9

Data File: \\SACChrom\ChromData\LC10\20130321-3391.b\U000006.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
16 o-Nitrotoluene						
1	22.826	22.668	0.158	2023	46.5	
15 p-Nitrotoluene						
1	24.486	24.338	0.148	2426	46.6	
8 m-Nitrotoluene						
1	26.352	26.254	0.098	2465	45.9	
21 PETN						
2	28.529	28.411	0.118	8856	223.0	

Report Date: 21-Mar-2013 15:27:03

Chrom Revision: 2.1 18-Mar-2013 20:34:14

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130321-3391.b\U000006.D

Injection Date: 21-Mar-2013 13:31:35

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 12703

Lims Sample ID: 6

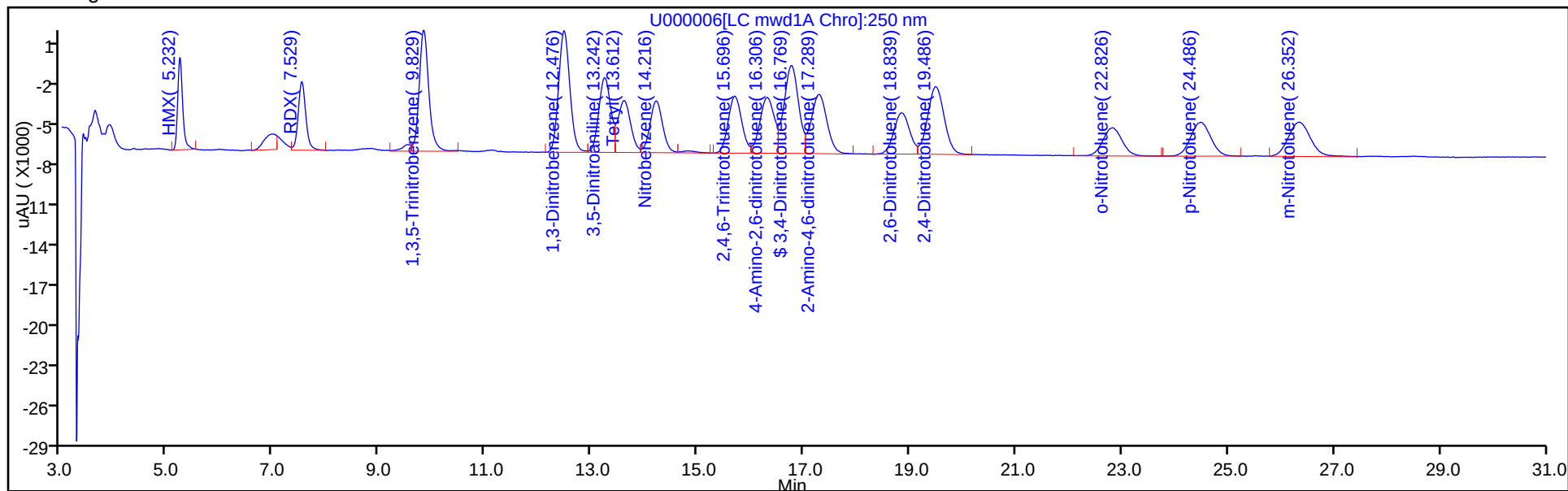
Operator ID: RN

Injection Vol: 500.0 ul

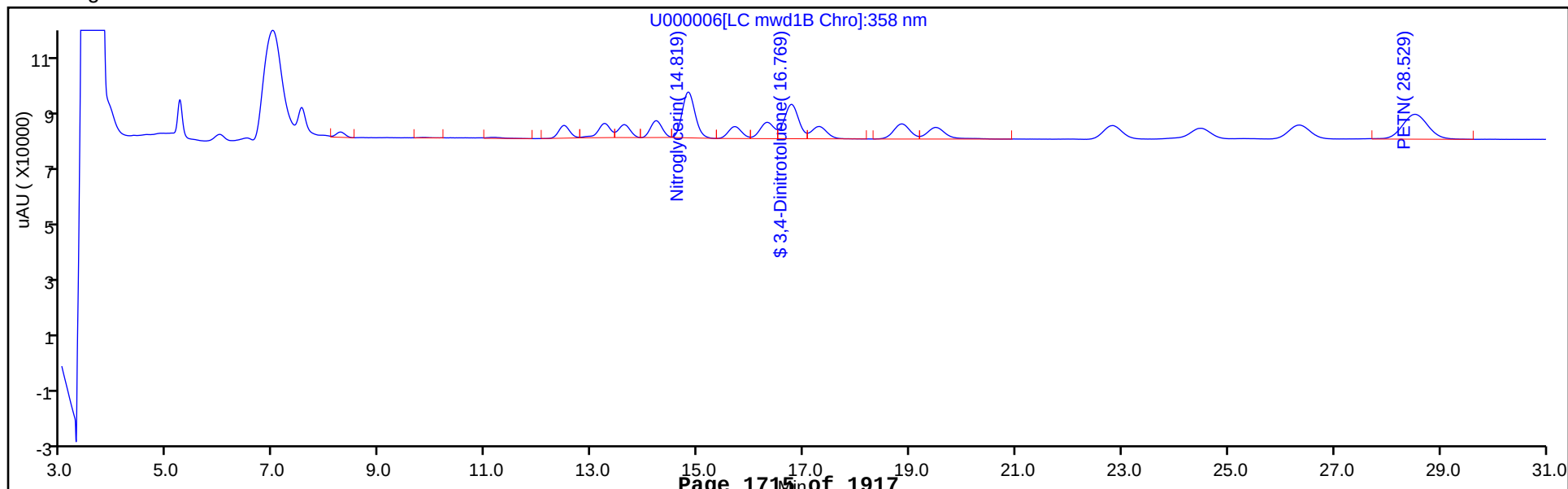
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1

SDG No.: _____

Instrument ID: LC10 Start Date: 01/09/2013 11:09Analysis Batch Number: 8413 End Date: 01/09/2013 18:30

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
EB 320-8413/1 ICB		01/09/2013 11:09	1		Synergi C18 4.6 (mm)
STD01 320-8413/2 IC		01/09/2013 11:49	1	I000004.D	Synergi C18 4.6 (mm)
STD02 320-8413/3 IC		01/09/2013 12:29	1	I000005.D	Synergi C18 4.6 (mm)
STD03 320-8413/4 IC		01/09/2013 13:09	1	I000006.D	Synergi C18 4.6 (mm)
STD04 320-8413/5 IC		01/09/2013 13:50	1	I000007.D	Synergi C18 4.6 (mm)
STD05 320-8413/6 IC		01/09/2013 14:30	1	I000008.D	Synergi C18 4.6 (mm)
STD06 320-8413/7 IC		01/09/2013 15:10	1	I000009.D	Synergi C18 4.6 (mm)
STD07 320-8413/8 IC		01/09/2013 15:50	1	I000010.D	Synergi C18 4.6 (mm)
STD08 320-8413/9 IC		01/09/2013 16:30	1	I000011.D	Synergi C18 4.6 (mm)
EB 320-8413/10 CCB		01/09/2013 17:10	1		Synergi C18 4.6 (mm)
ICV 320-8413/11		01/09/2013 17:50	1	I000013.D	Synergi C18 4.6 (mm)
LODV 320-8413/13		01/09/2013 18:30	1	I000014.D	Synergi C18 4.6 (mm)

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1

SDG No.: _____

Instrument ID: LC10 Start Date: 03/21/2013 11:30Analysis Batch Number: 12703 End Date: 03/22/2013 10:16

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 320-12703/3 CCVRT		03/21/2013 11:30	1	U000003.D	Synergi C18 4.6 (mm)
CCVL 320-12703/4		03/21/2013 12:11	1	U000004.D	Synergi C18 4.6 (mm)
MB 320-12565/1-A		03/21/2013 12:51	1	U000005.D	Synergi C18 4.6 (mm)
LCS 320-12565/2-A		03/21/2013 13:31	1	U000006.D	Synergi C18 4.6 (mm)
240-21987-1	079-0007-0001-SOURCEW ATER	03/21/2013 14:11	1	U000007.D	Synergi C18 4.6 (mm)
CCV 320-12703/14 CCVRT		03/21/2013 18:52	1	U000014.D	Synergi C18 4.6 (mm)
CCVL 320-12703/15		03/21/2013 19:32	1	U000015.D	Synergi C18 4.6 (mm)
CCV 320-12703/26 CCVRT		03/22/2013 02:54	1		Synergi C18 4.6 (mm)
CCV 320-12703/37 CCVRT		03/22/2013 10:16	1		Synergi C18 4.6 (mm)

HPLC/IC BATCH WORKSHEET

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1

SDG No.: _____

Batch Number: 12565 Batch Start Date: 03/19/13 13:52 Batch Analyst: Arauz, HoracioBatch Method: 8330-Prep Batch End Date: 03/19/13 16:25

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	HP34DNTSU 00012	HP8330SP 00011
MB 320-12565/1		8330-Prep, 8330B				1000 mL	20 mL	50 uL	
LCS 320-12565/2		8330-Prep, 8330B				1000 mL	20 mL	50 uL	20 uL
240-21987-Q-1	079-0007-0001-SO URCEWATER	8330-Prep, 8330B	T	1477.4 g	499.53 g	977.9 mL	20 mL	50 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	HPNGPETNSP 00002					
MB 320-12565/1		8330-Prep, 8330B							
LCS 320-12565/2		8330-Prep, 8330B		100 uL					
240-21987-Q-1	079-0007-0001-SO URCEWATER	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	3-19-13
Date Dilution Performed	3-19-13
Analytst performing Dilution	HA
Filter Lot #	.45um Millipore R2DA02309
Date of Final Volume	3-19-13
Millipore Water Dispense Date	3-11-13
Prep Solvent Volume Used	5 mL
Person's name who witnessed reagent drop	AM
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.

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Canton Job Number: 240-21987-1

SDG No.: _____

Project: RVAAP - ECC

Client Sample ID
079-0007-0001-SOURCEWATER

Lab Sample ID
240-21987-1

Comments:

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METALS

Lab Name: TestAmerica Pittsburgh Job Number: 240-21987-1

SDG No.: _____

Project: RVAAP - ECC

Client Sample ID
079-0007-0001-SOURCEWATER

Lab Sample ID
240-21987-1

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079-0007-0001-SOURCEWATER

Lab Sample ID: 240-21987-1

Lab Name: TestAmerica Canton

Job No.: 240-21987-1

SDG ID.:

Matrix: Water

Date Sampled: 03/14/2013 12:00

Reporting Basis: WET

Date Received: 03/14/2013 16:20

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

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

Client Sample ID: 079-0007-0001-SOURCEWATER

Lab Sample ID: 240-21987-1

Lab Name: TestAmerica Pittsburgh

Job No.: 240-21987-1

SDG ID.:

Matrix: Water

Date Sampled: 03/14/2013 12:00

Reporting Basis: WET

Date Received: 03/14/2013 16:20

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	5.0	30	5.0	2.6	ug/L	U		1	6020/DOD
Arsenic	0.48	1.0	0.50	0.29	ug/L	J		1	6020/DOD
Barium	41	10	0.15	0.098	ug/L		Q	1	6020/DOD
Beryllium	0.090	1.0	0.090	0.045	ug/L	U		1	6020/DOD
Calcium	65000	100	20	9.4	ug/L			1	6020/DOD
Cadmium	0.30	1.0	0.30	0.13	ug/L	U		1	6020/DOD
Chromium	1.3	2.0	1.0	0.54	ug/L	J		1	6020/DOD
Cobalt	0.054	0.50	0.050	0.026	ug/L	J	Q	1	6020/DOD
Copper	1.4	2.0	0.50	0.24	ug/L	J	Q	1	6020/DOD
Iron	590	50	20	11	ug/L			1	6020/DOD
Magnesium	27000	100	22	11	ug/L			1	6020/DOD
Manganese	94	5.0	0.30	0.16	ug/L		Q	1	6020/DOD
Sodium	37000	100	55	27	ug/L		B	1	6020/DOD
Nickel	0.35	1.0	0.35	0.17	ug/L	U		1	6020/DOD
Lead	0.30	1.0	0.30	0.15	ug/L	U		1	6020/DOD
Antimony	0.90	2.0	0.90	0.46	ug/L	U		1	6020/DOD
Thallium	0.11	1.0	0.20	0.10	ug/L	J		1	6020/DOD
Vanadium	0.60	1.0	0.60	0.30	ug/L	U		1	6020/DOD
Zinc	5.1	5.0	2.0	0.96	ug/L		Q	1	6020/DOD
Potassium	2500	100	60	32	ug/L			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 Pittsburgh Job No.: 240-21987-1

SDG No.: _____

ICV Source: MICVX_00003 Concentration Units: ug/L

CCV Source: CCVHL1_00001

Analyte	ICV 180-68058/5 04/01/2013 14:39				CCV 180-68058/10 04/01/2013 15:03							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	404		400	101	472000		500000	94				
Barium	80.2		80.0	100	14400		15000	96				
Chromium	80.1		80.0	100	19900		20000	100				
Copper	82.0		80.0	102	19000		20000	95				
Iron	20700		20000	103	531000		500000	106				
Lead	81.7		80.0	102	19000		20000	95				
Manganese	412		400	103	21300		20000	107				
Nickel	80.4		80.0	100	9810		10000	98				
Zinc	83.1		80.0	104	18900		20000	94				

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.: 240-21987-1

SDG No.: _____

ICV Source: MICVX_00003 Concentration Units: ug/L

CCV Source: CCVHL2_00001

Analyte	ICV 180-68058/5 04/01/2013 14:39				CCV 180-68058/11 04/01/2013 15:08							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Calcium	39000		40000	97	959000		1000000	96				
Magnesium	39000		40000	98	950000		1000000	95				
Potassium	39500		40000	99	470000		500000	94				
Sodium	39700		40000	99	476000		500000	95				

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.: 240-21987-1

SDG No.: _____

ICV Source: MICVX_00003 Concentration Units: ug/L

CCV Source: MCCV1X_00039

Analyte	ICV 180-68058/5 04/01/2013 14:39				CCV 180-68058/12 04/01/2013 15:13				CCV 180-68058/24 04/01/2013 16:24			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	404		400	101	519		500	104	488		500	98
Antimony	79.7		80.0	100	95.9		100	96	98.5		100	99
Arsenic	79.5		80.0	99	102		100	102	99.8		100	100
Barium	80.2		80.0	100	99.1		100	99	98.5		100	99
Beryllium	80.6		80.0	101	108		100	108	105		100	105
Cadmium	81.9		80.0	102	98.8		100	99	99.2		100	99
Calcium	39000		40000	97	49000		50000	98	48500		50000	97
Chromium	80.1		80.0	100	97.9		100	98	98.0		100	98
Cobalt	80.0		80.0	100	99.3		100	99	99.0		100	99
Copper	82.0		80.0	102	103		100	103	102		100	102
Iron	20700		20000	103	25800		25000	103	25700		25000	103
Lead	81.7		80.0	102	96.4		100	96	96.7		100	97
Magnesium	39000		40000	98	50700		50000	101	48700		50000	97
Manganese	412		400	103	500		500	100	502		500	100
Nickel	80.4		80.0	100	101		100	101	101		100	101
Potassium	39500		40000	99	50300		50000	101	48500		50000	97
Selenium	80.4		80.0	101	103		100	103	101		100	101
Silver	81.2		80.0	102	99.7		100	100	97.4		100	97
Sodium	39700		40000	99	50000		50000	100	48000		50000	96
Thallium	81.6		80.0	102	96.3		100	96	96.3		100	96
Vanadium	79.5		80.0	99	97.6		100	98	96.7		100	97
Zinc	83.1		80.0	104	107		100	107	107		100	107

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.: 240-21987-1
SDG No.: _____
Method: 7470A/DOD Instrument ID: H1
Lab Sample ID: CRA 240-78670/9-A Concentration Units: ug/L
CRQL Check Standard Source: MTHGCALW_00332

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.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-21987-1
 SDG No.: _____
 Method: 6020/DOD Instrument ID: M
 Lab Sample ID: CRI 180-68058/7 Concentration Units: ug/L
 CRQL Check Standard Source: MCRIX_00028

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Silver	1.00	0.981	J	98	80-120
Aluminum	30.0	31.8		106	80-120
Arsenic	1.00	1.14		114	80-120
Barium	10.0	9.58	J	96	80-120
Beryllium	1.00	1.05		105	80-120
Calcium	100	114		114	80-120
Cadmium	1.00	1.03		103	80-120
Chromium	2.00	1.91	J	96	80-120
Cobalt	0.500	0.504		101	80-120
Copper	2.00	2.16		108	80-120
Iron	50.0	55.9		112	80-120
Magnesium	100	108		108	80-120
Manganese	5.00	5.68		114	80-120
Sodium	100	109		109	80-120
Nickel	1.00	1.02		102	80-120
Lead	1.00	0.944	J	94	80-120
Antimony	2.00	1.93	J	96	80-120
Thallium	1.00	0.877	J	88	80-120
Vanadium	1.00	0.853	J	85	80-120
Zinc	5.00	5.43		109	80-120
Potassium	100	110		110	80-120
Selenium	5.00	5.15		103	80-120

Lab Sample ID: CRI 180-68058/86 Concentration Units: ug/L
 CRQL Check Standard Source: MCRIX_00028

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Silver	1.00	0.986	J	99	80-120
Aluminum	30.0	30.7		102	80-120
Arsenic	1.00	1.19		119	80-120
Barium	10.0	9.44	J	94	80-120
Beryllium	1.00	0.995	J	100	80-120
Calcium	100	116		116	80-120
Cadmium	1.00	1.09		109	80-120
Chromium	2.00	1.91	J	95	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.: 240-21987-1
 SDG No.: _____
 Method: 6020/DOD Instrument ID: M
 Lab Sample ID: CRI 180-68058/86 Concentration Units: ug/L
 CRQL Check Standard Source: MCRIX_00028

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Cobalt	0.500	0.482	J	96	80-120
Copper	2.00	2.13		107	80-120
Iron	50.0	57.1		114	80-120
Magnesium	100	105		105	80-120
Manganese	5.00	5.39		108	80-120
Sodium	100	98.3	J	98	80-120
Nickel	1.00	0.976	J	98	80-120
Lead	1.00	0.858	J	86	80-120
Antimony	2.00	1.98	J	99	80-120
Thallium	1.00	0.810	J	81	80-120
Vanadium	1.00	0.920	J	92	80-120
Zinc	5.00	5.41		108	80-120
Potassium	100	93.9	J	94	80-120
Selenium	5.00	5.77		115	80-120

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

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-21987-1
 SDG No.: _____
 Concentration Units: ug/L

Analyte	RL	ICB 180-68058/6 04/01/2013 14:44		CCB1 180-68058/13 04/01/2013 15:19		CCB2 180-68058/25 04/01/2013 16:29			
		Found	C	Found	C	Found	C	Found	C
Aluminum	30	5.0	U	5.0	U	5.0	U		
Antimony	2.0	0.90	U	0.90	U	0.90	U		
Arsenic	1.0	0.50	U	0.50	U	0.50	U		
Barium	10	0.15	U	0.15	U	0.15	U		
Beryllium	1.0	0.090	U	0.090	U	0.090	U		
Cadmium	1.0	0.30	U	0.30	U	0.30	U		
Calcium	100	20	U	20	U	20	U		
Chromium	2.0	1.0	U	1.0	U	1.0	U		
Cobalt	0.50	0.050	U	0.050	U	0.050	U		
Copper	2.0	0.50	U	0.318	J	0.50	U		
Iron	50	20	U	20	U	20	U		
Lead	1.0	0.30	U	0.30	U	0.30	U		
Magnesium	100	22	U	22	U	22	U		
Manganese	5.0	0.30	U	0.30	U	0.30	U		
Nickel	1.0	0.35	U	0.35	U	0.35	U		
Potassium	100	44.1	J	52.1	J	60	U		
Selenium	5.0	1.0	U	1.0	U	1.0	U		
Silver	1.0	0.20	U	0.20	U	0.20	U		
Sodium	100	55	U	29.3	J	55	U		
Thallium	1.0	0.20	U	0.20	U	0.20	U		
Vanadium	1.0	0.60	U	0.60	U	0.60	U		
Zinc	5.0	2.0	U	2.0	U	2.0	U		

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS - TOTAL RECOVERABLE

Lab Name: TestAmerica Pittsburgh Job No.: 240-21987-1
 SDG No.: _____
 Concentration Units: ug/L Lab Sample ID: MB 180-66565/1-A
 Instrument Code: M Batch No.: 68058

CAS No.	Analyte	Concentration	C	Q	Method
7440-22-4	Silver	0.20	U		6020_DoD
7429-90-5	Aluminum	4.59	J		6020_DoD
7440-38-2	Arsenic	0.50	U		6020_DoD
7440-39-3	Barium	0.181	J	Q	6020_DoD
7440-41-7	Beryllium	0.090	U		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	0.315	J	Q	6020_DoD
7439-89-6	Iron	20	U		6020_DoD
7439-95-4	Magnesium	22	U		6020_DoD
7439-96-5	Manganese	0.314	J	Q	6020_DoD
7440-23-5	Sodium	67.4	J		6020_DoD
7440-02-0	Nickel	0.35	U		6020_DoD
7439-92-1	Lead	0.236	J		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	40.6	J		6020_DoD
7782-49-2	Selenium	1.0	U		6020_DoD

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-21987-1
 SDG No.: _____
 Lab Sample ID: ICSA 180-68058/8 Instrument ID: M
 Lab File ID: M30401A.xml ICS Source: MICSAX_00028
 Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	100000	98300	98
Antimony		0.267	
Arsenic		0.209	
Barium		0.341	
Beryllium		0.0300	
Cadmium		0.236	
Calcium	100000	105500	106
Chromium		0.0220	
Cobalt		0.0930	
Copper		1.16	
Iron	100000	105600	106
Lead		0.125	
Magnesium	100000	103100	103
Manganese		0.388	
Nickel		-0.140	
Potassium	100000	104100	104
Selenium		0.495	
Silver		0.0490	
Sodium	100000	104100	104
Thallium		0.0090	
Vanadium		-0.330	
Zinc		3.16	
<i>Boron</i>		<i>1.08</i>	
<i>Molybdenum</i>	<i>2000</i>	<i>2144</i>	<i>107</i>
<i>Silicon</i>		<i>22.8</i>	
<i>Strontium</i>		<i>4.87</i>	
<i>Tin</i>		<i>0.163</i>	
<i>Titanium</i>	<i>2000</i>	<i>2200</i>	<i>110</i>

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.: 240-21987-1
 SDG No.: _____
 Lab Sample ID: ICSAB 180-68058/9 Instrument ID: M
 Lab File ID: M30401A.xml ICS Source: MICSABX_00032
 Concentration Units: ug/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Aluminum	100000	96670	97
Antimony	20.0	20.5	103
Arsenic	20.0	21.9	109
Barium	20.0	20.6	103
Beryllium	20.0	19.2	96
Cadmium	20.0	20.5	103
Calcium	100000	103667	104
Chromium	20.0	20.4	102
Cobalt	20.0	20.4	102
Copper	20.0	21.0	105
Iron	100000	103667	104
Lead	20.0	20.5	102
Magnesium	100000	101743	102
Manganese	22.5	21.8	97
Nickel	20.0	19.9	100
Potassium	100000	103067	103
Selenium	50.0	55.9	112
Silver	20.0	19.9	100
Sodium	100000	102533	103
Thallium	20.0	20.3	101
Vanadium	20.0	20.1	100
Zinc	25.0	23.2	93
<i>Boron</i>	<i>50.0</i>	<i>49.8</i>	<i>100</i>
<i>Molybdenum</i>	<i>2000</i>	<i>2116</i>	<i>106</i>
<i>Silicon</i>	<i>500</i>	<i>541</i>	<i>108</i>
<i>Strontium</i>	<i>25.0</i>	<i>25.4</i>	<i>102</i>
<i>Tin</i>	<i>100</i>	<i>102</i>	<i>102</i>
<i>Titanium</i>	<i>2000</i>	<i>2171</i>	<i>109</i>

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: 079-0007-0001-SOURCEWATER PDS

Lab ID: 240-21987-1 PDS

Lab Name: TestAmerica Pittsburgh

Job No.: 240-21987-1

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	46.0	0.20 U	50.0	92	80-120		6020/DOD
Aluminum	1740	5.0 U	2000	87	80-120		6020/DOD
Arsenic	36.6	0.48 J	40.0	90	80-120		6020/DOD
Barium	1810	41	2000	89	80-120	Q	6020/DOD
Beryllium	47.6	0.090 U	50.0	95	80-120		6020/DOD
Calcium	114000	65000	50000	98	80-120		6020/DOD
Cadmium	47.4	0.30 U	50.0	95	80-120		6020/DOD
Chromium	189	1.3 J	200	94	80-120		6020/DOD
Cobalt	457	0.054 J	500	91	80-120	Q	6020/DOD
Copper	227	1.4 J	250	90	80-120	Q	6020/DOD
Iron	1660	590	1000	107	80-120		6020/DOD
Magnesium	72000	27000	50000	91	80-120		6020/DOD
Manganese	597	94	500	101	80-120	Q	6020/DOD
Sodium	83700	37000	50000	94	80-120		6020/DOD
Nickel	448	0.35 U	500	90	80-120		6020/DOD
Lead	18.2	0.30 U	20.0	91	80-120		6020/DOD
Antimony	448	0.90 U	500	90	80-120		6020/DOD
Thallium	45.5	0.11 J	50.0	91	80-120		6020/DOD
Vanadium	477	0.60 U	500	95	80-120		6020/DOD
Zinc	475	5.1	500	94	80-120	Q	6020/DOD
Potassium	48300	2500	50000	92	80-120		6020/DOD
Selenium	9.67	1.0 U	10.0	97	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 - TOTAL RECOVERABLE

Lab ID: LCS 180-66565/2-A

Lab Name: TestAmerica Pittsburgh

Job No.: 240-21987-1

Sample Matrix: Water

LCS Source: MTAPITTICPMS_00011

Analyte	Water (ug/L)							
	True	Found	C	%R	Limits		Q	Method
Silver	50.0	47.2		94	80	120		6020/DOD
Aluminum	2000	1680		84	80	120		6020/DOD
Arsenic	40.0	36.0		90	80	120		6020/DOD
Barium	2000	1800		90	80	120	Q	6020/DOD
Beryllium	50.0	46.4		93	80	120		6020/DOD
Calcium	50000	45900		92	80	120		6020/DOD
Cadmium	50.0	48.4		97	80	120		6020/DOD
Chromium	200	183		91	80	120		6020/DOD
Cobalt	500	452		90	80	120	Q	6020/DOD
Copper	250	229		91	80	120	Q	6020/DOD
Iron	1000	1050		105	80	120		6020/DOD
Magnesium	50000	44400		89	80	120		6020/DOD
Manganese	500	485		97	80	120	Q	6020/DOD
Sodium	50000	44900		90	80	120		6020/DOD
Nickel	500	452		90	80	120		6020/DOD
Lead	20.0	18.1		91	80	120		6020/DOD
Antimony	500	465		93	80	120		6020/DOD
Thallium	50.0	43.9		88	80	120		6020/DOD
Vanadium	500	458		92	80	120		6020/DOD
Zinc	500	481		96	80	120	Q	6020/DOD
Potassium	50000	44900		90	80	120		6020/DOD
Selenium	10.0	10.2		102	80	120		6020/DOD

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

FORM VIIA - IN

7D-IN
LAB CONTROL SAMPLE DUPLICATE
METALS - TOTAL RECOVERABLE

Lab ID: LCSD 180-66565/3-A

Lab Name: TestAmerica Pittsburgh

Job No.: 240-21987-1

Sample Matrix: Water

LCS Source: MTAPITTICPMS_00011

Analyte	(SDR) C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Silver	48.0	50.0	96	80-120	2	20		6020/DOD
Aluminum	1840	2000	92	80-120	9	20		6020/DOD
Arsenic	36.6	40.0	91	80-120	2	20		6020/DOD
Barium	1800	2000	90	80-120	0	20	Q	6020/DOD
Beryllium	46.4	50.0	93	80-120	0	20		6020/DOD
Calcium	46800	50000	94	80-120	2	20		6020/DOD
Cadmium	49.2	50.0	98	80-120	2	20		6020/DOD
Chromium	185	200	92	80-120	1	20		6020/DOD
Cobalt	455	500	91	80-120	1	20	Q	6020/DOD
Copper	231	250	92	80-120	1	20	Q	6020/DOD
Iron	1070	1000	107	80-120	2	20		6020/DOD
Magnesium	44700	50000	89	80-120	1	20		6020/DOD
Manganese	491	500	98	80-120	1	20	Q	6020/DOD
Sodium	45100	50000	90	80-120	1	20		6020/DOD
Nickel	451	500	90	80-120	0	20		6020/DOD
Lead	18.3	20.0	92	80-120	1	20		6020/DOD
Antimony	469	500	94	80-120	1	20		6020/DOD
Thallium	44.9	50.0	90	80-120	2	20		6020/DOD
Vanadium	463	500	93	80-120	1	20		6020/DOD
Zinc	489	500	98	80-120	2	20	Q	6020/DOD
Potassium	45000	50000	90	80-120	0	20		6020/DOD
Selenium	10.3	10.0	103	80-120	1	20		6020/DOD

SDR = Spike Duplicate Results

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

FORM VIID - IN

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

Lab ID: 240-21987-1

SDG No:

Lab Name: TestAmerica Pittsburgh

Job No: 240-21987-1

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	5.0	U	25	U	NC		6020/DOD
Arsenic	0.48	J	2.5	U	NC		6020/DOD
Barium	41		39.5	J	2.9	Q D	6020/DOD
Beryllium	0.090	U	0.45	U	NC		6020/DOD
Calcium	65000		64700		1.3	D	6020/DOD
Cadmium	0.30	U	1.5	U	NC		6020/DOD
Chromium	1.3	J	5.0	U	NC		6020/DOD
Cobalt	0.054	J	0.25	U	NC	Q	6020/DOD
Copper	1.4	J	1.71	J	NC	Q D	6020/DOD
Iron	590		597		1.5	D	6020/DOD
Magnesium	27000		27200		2.4	D	6020/DOD
Manganese	94		93.5		1.1	Q D	6020/DOD
Sodium	37000		36500		0.42	D	6020/DOD
Nickel	0.35	U	1.8	U	NC		6020/DOD
Lead	0.30	U	1.5	U	NC		6020/DOD
Antimony	0.90	U	4.5	U	NC		6020/DOD
Thallium	0.11	J	1.0	U	NC		6020/DOD
Vanadium	0.60	U	3.0	U	NC		6020/DOD
Zinc	5.1		7.66	J	NC	Q D	6020/DOD
Potassium	2500		2430		1.2	D	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: 240-21987-1
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: 240-21987-1
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 - TOTAL RECOVERABLE

Lab Name: TestAmerica Pittsburgh Job Number: 240-21987-1
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: 240-21987-1
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: 240-21987-1

SDG No.: _____

Instrument ID: H1

Date: 04/01/2011 10:45

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

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Pittsburgh

Job No: 240-21987-1

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.: 240-21987-1

SDG No.: _____

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
240-21987-1	03/15/2013 12:45	78432		100	100

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-21987-1

SDG No.: _____

Prep Method: 3005A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 180-66565/1-A	03/18/2013 13:02	66565		50	50
LCS 180-66565/2-A	03/18/2013 13:02	66565		50	50
LCSD 180-66565/3-A	03/18/2013 13:02	66565		50	50
240-21987-1	03/18/2013 13:02	66565		50	50

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-21987-1

SDG No.: _____

Instrument ID: H1 Method: 7470A/DOD

Start Date: 03/18/2013 13:52 End Date: 03/19/2013 09:28

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				H g																	
IC 240-78670/1-A			13:52	X																	
IC 240-78670/1-A			14:13	X																	
IC 240-78670/2-A			14:14	X																	
IC 240-78670/3-A			14:16	X																	
IC 240-78670/4-A			14:17	X																	
IC 240-78670/5-A			14:18	X																	
ZZZZZZ			14:21																		
ICV 240-78670/7-A			14:28																		
ICB 240-78670/8-A			14:30																		
CRA 240-78670/9-A			14:31																		
CCVL 240-78670/10-A			14:33																		
CCB 240-78670/12-A			14:34																		
ZZZZZZ			14:36																		
ZZZZZZ			14:38																		
ZZZZZZ			14:39																		
ZZZZZZ			14:41																		
ZZZZZZ			14:42																		
ZZZZZZ			14:43																		
ZZZZZZ			14:44																		
ZZZZZZ			14:47																		
ZZZZZZ			14:48																		
ZZZZZZ			14:49																		
CCV 240-78670/11-A			14:51																		
CCB 240-78670/12-A			14:52																		
ZZZZZZ			14:53																		
ZZZZZZ			14:55																		
ZZZZZZ			14:56																		
ZZZZZZ			14:57																		
ZZZZZZ			14:59																		
ZZZZZZ			15:00																		
ZZZZZZ			15:01																		
ZZZZZZ			15:03																		
ZZZZZZ			15:04																		
ZZZZZZ			15:05																		
CCV 240-78670/11-A			15:07																		
CCB 240-78670/12-A			15:08																		
CCV 240-78670/11-A			15:11																		
CCB 240-78670/12-A			15:12																		
ZZZZZZ			15:13																		
ZZZZZZ			15:15																		
ZZZZZZ			15:16																		
ZZZZZZ			15:17																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-21987-1

SDG No.: _____

Instrument ID: H1 Method: 7470A/DOD

Start Date: 03/18/2013 13:52 End Date: 03/19/2013 09:28

Lab Sample ID	D / F	T y p e	Time	Analytes															
				H g															
ZZZZZZ			15:19																
ZZZZZZ			15:22																
ZZZZZZ			15:23																
ZZZZZZ			15:25																
ZZZZZZ			15:26																
ZZZZZZ			15:28																
CCV 240-78670/11-A			15:29																
CCB 240-78670/12-A			15:31																
ZZZZZZ			15:32																
CCV 240-78670/11-A			15:33																
CCB 240-78670/12-A			15:35																
CCV 240-78670/11-A			15:39																
CCB 240-78670/12-A			15:41																
ZZZZZZ			15:42																
ZZZZZZ			15:44																
ZZZZZZ			15:45																
ZZZZZZ			15:47																
ZZZZZZ			15:49																
ZZZZZZ			15:50																
ZZZZZZ			15:53																
ZZZZZZ			15:54																
ZZZZZZ			15:56																
ZZZZZZ			15:57																
CCV 240-78670/11-A			15:59																
CCB 240-78670/12-A			16:00																
ZZZZZZ			16:01																
ZZZZZZ			16:03																
ZZZZZZ			16:04																
ZZZZZZ			16:06																
ZZZZZZ			16:07																
ZZZZZZ			16:09																
ZZZZZZ			16:11																
ZZZZZZ			16:12																
ZZZZZZ			16:14																
ZZZZZZ			16:15																
CCV 240-78670/11-A			16:16																
CCB 240-78670/12-A			16:18																
ZZZZZZ			16:20																
ZZZZZZ			16:21																
ZZZZZZ			16:23																
ZZZZZZ			16:24																
ZZZZZZ			16:26																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-21987-1

SDG No.: _____

Instrument ID: H1 Method: 7470A/DOD

Start Date: 03/18/2013 13:52 End Date: 03/19/2013 09:28

Lab Sample ID	D / F	T y p e	Time	Analytes															
				H g															
ZZZZZZ			16:27																
ZZZZZZ			16:29																
ZZZZZZ			16:31																
ZZZZZZ			16:32																
ZZZZZZ			16:33																
CCV 240-78670/11-A			16:35																
CCB 240-78670/12-A			16:37																
ZZZZZZ			16:38																
ZZZZZZ			16:40																
ZZZZZZ			16:41																
ZZZZZZ			16:43																
ZZZZZZ			16:44																
ZZZZZZ			16:45																
ZZZZZZ			16:47																
ZZZZZZ			16:48																
ZZZZZZ			16:51																
ZZZZZZ			16:53																
CCV 240-78670/11-A			16:55																
CCB 240-78670/12-A			16:56																
ZZZZZZ			16:57																
ZZZZZZ			16:59																
ZZZZZZ			17:00																
ZZZZZZ			17:02																
ZZZZZZ			17:03																
ZZZZZZ			17:04																
ZZZZZZ			17:06																
ZZZZZZ			17:07																
ZZZZZZ			17:09																
ZZZZZZ			17:11																
CCV 240-78670/11-A			17:13																
CCB 240-78670/12-A			17:14																
CCV 240-78670/11-A			17:16																
CCB 240-78670/12-A			17:19																
ZZZZZZ			17:20																
ZZZZZZ			17:21																
ZZZZZZ			17:22																
ZZZZZZ			17:24																
ZZZZZZ			17:26																
ZZZZZZ			17:27																
ZZZZZZ			17:29																
ZZZZZZ			17:30																
ZZZZZZ			17:32																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-21987-1

SDG No.: _____

Instrument ID: H1 Method: 7470A/DOD

Start Date: 03/18/2013 13:52 End Date: 03/19/2013 09:28

Lab Sample ID	D / F	T y p e	Time	Analytes															
				H g															
ZZZZZZ			17:33																
CCV 240-78670/11-A			17:35																
CCB 240-78670/12-A			17:36																
ZZZZZZ			17:38																
ZZZZZZ			17:40																
ZZZZZZ			17:41																
ZZZZZZ			17:42																
ZZZZZZ			17:44																
ZZZZZZ			17:45																
ZZZZZZ			17:46																
ZZZZZZ			17:48																
240-21987-1	1	T	17:49	X															
ZZZZZZ			17:51																
CCV 240-78670/11-A			17:52																
CCB 240-78670/12-A			17:53																
ZZZZZZ			17:55																
ZZZZZZ			17:56																
ZZZZZZ			17:58																
ZZZZZZ			17:59																
ZZZZZZ			18:00																
ZZZZZZ			18:02																
ZZZZZZ			18:03																
ZZZZZZ			18:05																
ZZZZZZ			18:06																
ZZZZZZ			18:07																
CCV 240-78670/11-A			18:09																
CCB 240-78670/12-A			18:10																
ZZZZZZ			18:11																
ZZZZZZ			18:14																
ZZZZZZ			18:15																
ZZZZZZ			18:16																
ZZZZZZ			18:18																
ZZZZZZ			18:20																
ZZZZZZ			18:21																
ZZZZZZ			18:22																
ZZZZZZ			18:24																
ZZZZZZ			18:26																
CCV 240-78670/11-A			18:27																
CCB 240-78670/12-A			18:29																
ZZZZZZ			18:31																
ZZZZZZ			18:32																
CCV 240-78670/11-A			18:33																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-21987-1

SDG No.: _____

Instrument ID: H1 Method: 7470A/DOD

Start Date: 03/18/2013 13:52 End Date: 03/19/2013 09:28

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				H g																	
CCB 240-78670/12-A			18:35																		
CCV 240-78670/11-A			09:25																		
CCB 240-78670/12-A			09:27																		
CRA 240-78670/9-A	1		09:28	X																	

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-21987-1

SDG No.: _____

Instrument ID: M Method: 6020/DOD

Start Date: 04/01/2013 12:55 End Date: 04/01/2013 22:15

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 180-68058/1			12:55																				
STD1 180-68058/2 IC	1		14:24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
STD2 180-68058/3 IC	1		14:30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
STD3 180-68058/4 IC	1		14:34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICV 180-68058/5	1		14:39	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB 180-68058/6	1		14:44	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CRI 180-68058/7	1		14:49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSA 180-68058/8	1		14:54	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 180-68058/9	1		14:59	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 180-68058/10	1		15:03		X		X					X	X	X			X		X	X			
CCV 180-68058/11	1		15:08						X						X	X		X					
CCV 180-68058/12	1		15:13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB1 180-68058/13	1		15:19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MB 180-66565/1-A	1	R	15:24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCS 180-66565/2-A	1	R	15:29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCSD 180-66565/3-A	1	R	15:34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-21987-1	1	R	15:42	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-21987-1 SD	5	R	15:47	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-21987-1 PDS	1	R	15:51	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			16:01																				
ZZZZZZ			16:06																				
ZZZZZZ			16:14																				
ZZZZZZ			16:19																				
CCV 180-68058/24	1		16:24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB2 180-68058/25	1		16:29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			16:33																				
ZZZZZZ			16:38																				
ZZZZZZ			16:43																				
ZZZZZZ			16:53																				
ZZZZZZ			16:57																				
ZZZZZZ			17:06																				
ZZZZZZ			17:10																				
ZZZZZZ			17:15																				
ZZZZZZ			17:20																				
ZZZZZZ			17:25																				
CCV 180-68058/36			17:30																				
CCB3 180-68058/37			17:34																				
ZZZZZZ			17:39																				
ZZZZZZ			17:44																				
ZZZZZZ			17:49																				
ZZZZZZ			17:54																				
ZZZZZZ			17:59																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-21987-1

SDG No.: _____

Instrument ID: M Method: 6020/DOD

Start Date: 04/01/2013 12:55 End Date: 04/01/2013 22:15

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
ZZZZZZ			18:03																				
ZZZZZZ			18:08																				
ZZZZZZ			18:13																				
ZZZZZZ			18:18																				
ZZZZZZ			18:27																				
CCV 180-68058/48			18:32																				
CCB4 180-68058/49			18:37																				
ZZZZZZ			18:42																				
ZZZZZZ			18:47																				
ZZZZZZ			18:55																				
ZZZZZZ			19:00																				
ZZZZZZ			19:05																				
ZZZZZZ			19:09																				
ZZZZZZ			19:14																				
ZZZZZZ			19:23																				
ZZZZZZ			19:28																				
ZZZZZZ			19:36																				
CCV 180-68058/60			19:41																				
CCB5 180-68058/61			19:46																				
ZZZZZZ			19:51																				
ZZZZZZ			19:55																				
ZZZZZZ			20:00																				
ZZZZZZ			20:05																				
ZZZZZZ			20:10																				
ZZZZZZ			20:15																				
ZZZZZZ			20:20																				
ZZZZZZ			20:25																				
ZZZZZZ			20:29																				
ZZZZZZ			20:34																				
CCV 180-68058/72			20:39																				
CCB6 180-68058/73			20:44																				
ZZZZZZ			20:49																				
ZZZZZZ			20:53																				
ZZZZZZ			20:58																				
ZZZZZZ			21:03																				
ZZZZZZ			21:08																				
ZZZZZZ			21:13																				
ZZZZZZ			21:18																				
ZZZZZZ			21:22																				
ZZZZZZ			21:27																				
ZZZZZZ			21:32																				
CCV 180-68058/84			21:37																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-21987-1

SDG No.: _____

Instrument ID: M Method: 6020/DOD

Start Date: 04/01/2013 12:55 End Date: 04/01/2013 22:15

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
CCB7 180-68058/85			21:42																			
CRI 180-68058/86	1		21:51	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			22:00																			
ZZZZZZ			22:05																			
CCV 180-68058/89			22:10																			
CCB8 180-68058/90			22:15																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-21987-1

SDG No.: _____

Instrument ID: M Method: 6020/DOD

Start Date: 04/01/2013 12:55 End Date: 04/01/2013 22:15

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ITUNE 180-68058/1			12:55																		
STD1 180-68058/2 IC	1		14:24	X	X																
STD2 180-68058/3 IC	1		14:30	X	X																
STD3 180-68058/4 IC	1		14:34	X	X																
ICV 180-68058/5	1		14:39	X	X																
ICB 180-68058/6	1		14:44	X	X																
CRI 180-68058/7	1		14:49	X	X																
ICSA 180-68058/8	1		14:54	X	X																
ICSAB 180-68058/9	1		14:59	X	X																
CCV 180-68058/10	1		15:03		X																
CCV 180-68058/11	1		15:08																		
CCV 180-68058/12	1		15:13	X	X																
CCB1 180-68058/13	1		15:19	X	X																
MB 180-66565/1-A	1	R	15:24	X	X																
LCS 180-66565/2-A	1	R	15:29	X	X																
LCSD 180-66565/3-A	1	R	15:34	X	X																
240-21987-1	1	R	15:42	X	X																
240-21987-1 SD	5	R	15:47	X	X																
240-21987-1 PDS	1	R	15:51	X	X																
ZZZZZZ			16:01																		
ZZZZZZ			16:06																		
ZZZZZZ			16:14																		
ZZZZZZ			16:19																		
CCV 180-68058/24	1		16:24	X	X																
CCB2 180-68058/25	1		16:29	X	X																
ZZZZZZ			16:33																		
ZZZZZZ			16:38																		
ZZZZZZ			16:43																		
ZZZZZZ			16:53																		
ZZZZZZ			16:57																		
ZZZZZZ			17:06																		
ZZZZZZ			17:10																		
ZZZZZZ			17:15																		
ZZZZZZ			17:20																		
ZZZZZZ			17:25																		
CCV 180-68058/36			17:30																		
CCB3 180-68058/37			17:34																		
ZZZZZZ			17:39																		
ZZZZZZ			17:44																		
ZZZZZZ			17:49																		
ZZZZZZ			17:54																		
ZZZZZZ			17:59																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-21987-1

SDG No.: _____

Instrument ID: M Method: 6020/DOD

Start Date: 04/01/2013 12:55 End Date: 04/01/2013 22:15

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ZZZZZZ			18:03																		
ZZZZZZ			18:08																		
ZZZZZZ			18:13																		
ZZZZZZ			18:18																		
ZZZZZZ			18:27																		
CCV 180-68058/48			18:32																		
CCB4 180-68058/49			18:37																		
ZZZZZZ			18:42																		
ZZZZZZ			18:47																		
ZZZZZZ			18:55																		
ZZZZZZ			19:00																		
ZZZZZZ			19:05																		
ZZZZZZ			19:09																		
ZZZZZZ			19:14																		
ZZZZZZ			19:23																		
ZZZZZZ			19:28																		
ZZZZZZ			19:36																		
CCV 180-68058/60			19:41																		
CCB5 180-68058/61			19:46																		
ZZZZZZ			19:51																		
ZZZZZZ			19:55																		
ZZZZZZ			20:00																		
ZZZZZZ			20:05																		
ZZZZZZ			20:10																		
ZZZZZZ			20:15																		
ZZZZZZ			20:20																		
ZZZZZZ			20:25																		
ZZZZZZ			20:29																		
ZZZZZZ			20:34																		
CCV 180-68058/72			20:39																		
CCB6 180-68058/73			20:44																		
ZZZZZZ			20:49																		
ZZZZZZ			20:53																		
ZZZZZZ			20:58																		
ZZZZZZ			21:03																		
ZZZZZZ			21:08																		
ZZZZZZ			21:13																		
ZZZZZZ			21:18																		
ZZZZZZ			21:22																		
ZZZZZZ			21:27																		
ZZZZZZ			21:32																		
CCV 180-68058/84			21:37																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-21987-1

SDG No.: _____

Instrument ID: M Method: 6020/DOD

Start Date: 04/01/2013 12:55 End Date: 04/01/2013 22:15

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
CCB7 180-68058/85			21:42																		
CRI 180-68058/86	1		21:51	X	X																
ZZZZZZ			22:00																		
ZZZZZZ			22:05																		
CCV 180-68058/89			22:10																		
CCB8 180-68058/90			22:15																		

Prep Types

R = Total Recoverable

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

Lab Name: TestAmerica Pittsburgh Job No.: 240-21987-1

SDG No.: _____

ICP-MS Instrument ID: M Start Date: 04/01/2013 End Date: 04/01/2013

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 180-68058/2 IC	14:24	100		100		100		100		100	
STD2 180-68058/3 IC	14:30	91		95		96		87		95	
STD3 180-68058/4 IC	14:34	91		100		100		99		100	
ICV 180-68058/5	14:39	92		96		97		89		94	
ICB 180-68058/6	14:44	116		111		88		84		85	
CRI 180-68058/7	14:49	87		91		90		91		91	
ICSA 180-68058/8	14:54	74		77		79		74		83	
ICSAB 180-68058/9	14:59	78		82		84		78		87	
CCV 180-68058/10	15:03	73		75		78		81		92	
CCV 180-68058/11	15:08	84		96		99		80		91	
CCV 180-68058/12	15:13	90		104		103		95		101	
CCB1 180-68058/13	15:19	118		116		92		88		89	
MB 180-66565/1-A	15:24	115		108		95		92		92	
LCS 180-66565/2-A	15:29	87		78		78		72		78	
LCSD 180-66565/3-A	15:34	89		75		75		69		75	
240-21987-1	15:42	84		71		73		68		72	
240-21987-1 SD	15:47	78		70		71		71		72	
240-21987-1 PDS	15:51	74		64		68		64		69	
CCV 180-68058/24	16:24	78		81		81		78		78	
CCB2 180-68058/25	16:29	103		93		82		84		86	
CRI 180-68058/86	21:51	59		51		57		54		55	

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

Lab Name: TestAmerica Pittsburgh Job No.: 240-21987-1

SDG No.: _____

ICP-MS Instrument ID: M Start Date: 04/01/2013 End Date: 04/01/2013

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Tb	Q	Element Ho	Q	Element Bi	Q	Element	Q	Element	Q
STD1 180-68058/2 IC	14:24	100		100		100					
STD2 180-68058/3 IC	14:30	99		99		86					
STD3 180-68058/4 IC	14:34	102		101		99					
ICV 180-68058/5	14:39	98		98		88					
ICB 180-68058/6	14:44	89		89		91					
CRI 180-68058/7	14:49	93		93		94					
ICSA 180-68058/8	14:54	87		86		77					
ICSAB 180-68058/9	14:59	91		90		80					
CCV 180-68058/10	15:03	79		83		75					
CCV 180-68058/11	15:08	96		96		70					
CCV 180-68058/12	15:13	103		103		92					
CCB1 180-68058/13	15:19	91		91		95					
MB 180-66565/1-A	15:24	95		95		98					
LCS 180-66565/2-A	15:29	85		85		78					
LCSD 180-66565/3-A	15:34	82		83		76					
240-21987-1	15:42	80		81		76					
240-21987-1 SD	15:47	77		77		79					
240-21987-1 PDS	15:51	78		78		71					
CCV 180-68058/24	16:24	82		84		75					
CCB2 180-68058/25	16:29	89		89		91					
CRI 180-68058/86	21:51	60		60		71					

TestAmerica North Canton Hg Data Review Checklist

Run/Project Information:

Circle Methods used: 7470A / 245.1 : 7471:

Run Date: HI 3-18-13 Analyst: SG Instrument: HI

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

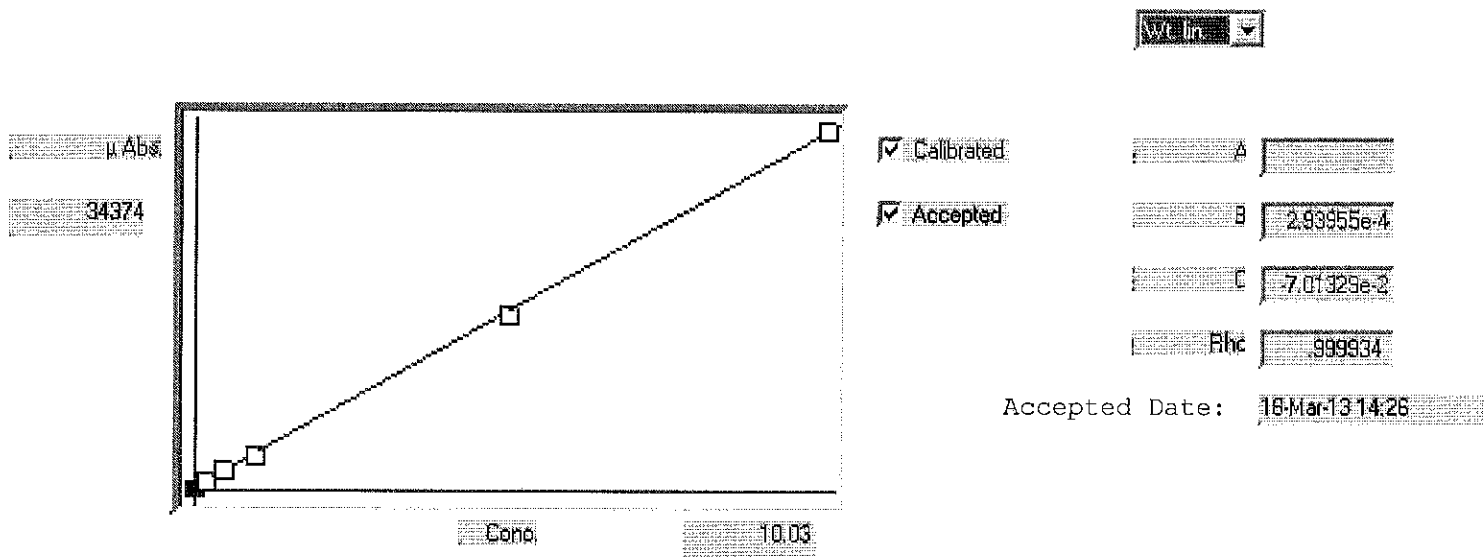
Analyst: Simon J. Howard Date/Time: 3-18-13 Reviewed from Job 190-173 only to 18:52
 Analyst: Simon J. Howard Date/Time: 3-19-13 Reviewed from 18:52 to 09:28
 Comments: hgt 3-19-13

Level II

Reviewer: Robert K. Joth Date/Time: 3-18-13 Reviewed from Job 190-173 only to 18:52
 Reviewer: Natalie J. Joth Date/Time: 3-19-13 Reviewed from 18:52 to 09:28
 Comments: _____

Curve Date 3-18-13 Curve Time 10:45-12:45 DILUTION H2O N/A
 Revised 11/29/2012

Protocol: 0314AHG1



S	Conc	Calc	Dev	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
01	.00000	.0545	.0545	425	1	424				
02	.20000	.2068	.0068	943	0%	942				
03	.50000	.5148	.0148	1991	0%	1990				
04	1.0000	.9525	-.0475	3479	0%	3479				
05	5.0000	4.937	-.0629	17035	0%	17034				
06	10.000	10.03	.0343	34375	0%	34374				
07										
08										
09										
10										

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

36.3.18.13	*** Standard: 1 Rep: 1			Seq: 1		13:52:37	18 Mar 13	HG
Probe missed cup	Hg .0000	ppb	-58					
	*** Standard: 1 Rep: 1			Seq: 2		14:13:13	18 Mar 13	HG
	Hg .0000	ppb	424					
	*** Standard: 2 Rep: 1			Seq: 3		14:14:35	18 Mar 13	HG
	Hg .2000	ppb	942					
	*** Standard: 3 Rep: 1			Seq: 4		14:16:13	18 Mar 13	HG
	Hg .5000	ppb	1990					
	*** Standard: 4 Rep: 1			Seq: 5		14:17:28	18 Mar 13	HG
	Hg 1.000	ppb	3479					
	*** Standard: 5 Rep: 1			Seq: 6		14:18:49	18 Mar 13	HG
	Hg 5.000	ppb	17034					
	*** Standard: 6 Rep: 1			Seq: 7		14:21:06	18 Mar 13	HG
	Hg 10.00	ppb	34374					
	*** Check Standard: 2 Ck2ICV			Seq: 8		14:28:51	18 Mar 13	HG
	Line Flag %Rcv. Found True Units					SD/RSD		
	Hg 102.0 2.551 2.500 ppb					.0000		
	*** Check Standard: 3 Ck3ICB			Seq: 9		14:30:17	18 Mar 13	HG
	Line Flag %Rcv. Found True Units					SD/RSD		
	Hg ^^^^^ .1148 .0000 ppb					.0000		
	*** Check Standard: 4 Ck4CRA\MRL			Seq: 10		14:31:53	18 Mar 13	HG
	Line Flag %Rcv. Found True Units					SD/RSD		
	Hg 98.24 .1965 .2000 ppb					.0000		
	*** Check Standard: 6 Ck6CCV			Seq: 11		14:33:27	18 Mar 13	HG
	Line Flag %Rcv. Found True Units					SD/RSD		
	Hg 102.9 5.146 5.000 ppb					.0000		
	*** Check Standard: 1 Ck1CCB			Seq: 12		14:34:44	18 Mar 13	HG
	Line Flag Found Range(+/-) Units					SD/RSD		
	Hg -.0328 .2000 ppb					.0000		
	*** Sample ID:			Seq: 13		14:36:21	18 Mar 13	HG
			MB 240-78262/1-A					
	Hg -.0190	ppb	.0000					
	*** Sample ID:			Seq: 14		14:38:19	18 Mar 13	HG
			LCS 240-78262/2-A					
Rerun	Hg 4.070	ppb	.0000					
	*** Sample ID:			Seq: 15		14:39:35	18 Mar 13	HG
			240-21760-A-3-D					
	Hg .2550	ppb	.0000					
	*** Sample ID:			Seq: 16		14:41:02	18 Mar 13	HG
			240-21760-A-3-E MS					
	Hg .8276	ppb	.0000					

POST-RUN REPORT

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

*** Sample ID:				Seq: 17		14:42:17	18 Mar 13	HG
				240-21760-A-3-F	MSD			
Hg	.7691	ppb	.0000	.7691				
*** Sample ID:				Seq: 18		14:43:33	18 Mar 13	HG
				240-21760-A-1-B				
Hg	7.798	ppb	.0000	7.798				
*** Sample ID:				Seq: 19		14:44:49	18 Mar 13	HG
				240-21760-A-2-B				
Hg	6.123	ppb	.0000	6.123				
*** Sample ID:				Seq: 20		14:47:11	18 Mar 13	HG
				240-21760-A-4-B				
Hg	.2973	ppb	.0000	.2973				
*** Sample ID:				Seq: 21		14:48:33	18 Mar 13	HG
				240-21766-A-1-B				
Hg	5.086	ppb	.0000	5.086				
*** Sample ID:				Seq: 22		14:49:50	18 Mar 13	HG
				240-21766-A-2-B				
Hg	2.975	ppb	.0000	2.975				
*** Check Standard: 6	Ck6CCV			Seq: 23		14:51:10	18 Mar 13	HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		100.8	5.041	5.000	ppb	.0000		
*** Check Standard: 1	Ck1CCB			Seq: 24		14:52:36	18 Mar 13	HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		.0151	.2000	ppb	.0000			
*** Sample ID:				Seq: 25		14:53:55	18 Mar 13	HG
				240-21766-A-3-B				
Hg	2.946	ppb	.0000	2.946				
*** Sample ID:				Seq: 26		14:55:24	18 Mar 13	HG
				240-21795-B-1-C				
Hg	.0704	ppb	.0000	.0704				
*** Sample ID:				Seq: 27		14:56:39	18 Mar 13	HG
				240-21817-C-1-C				
Hg	.0974	ppb	.0000	.0974				
*** Sample ID:				Seq: 28		14:57:56	18 Mar 13	HG
				240-21817-C-3-C				
Hg	.0677	ppb	.0000	.0677				
*** Sample ID:				Seq: 29		14:59:12	18 Mar 13	HG
				190-188-A-1-C				
Hg	-.0193	ppb	.0000	-.0193				
*** Sample ID:				Seq: 30		15:00:38	18 Mar 13	HG
				190-191-D-2-C				
Hg	.1383	ppb	.0000	.1383				
*** Sample ID:				Seq: 31		15:01:57	18 Mar 13	HG
				190-197-D-1-C				
Hg	.0348	ppb	.0000	.0348				
*** Sample ID:				Seq: 32		15:03:13	18 Mar 13	HG
				190-207-D-1-C				
Hg	-.0207	ppb	.0000	-.0207				

POST-RUN REPORT

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

*** Sample ID: Seq: 33 15:04:43 18 Mar 13 HG

190-173-A-1-B

Hg .1709 ppb .0000 .1709

*** Sample ID: Seq: 34 15:05:59 18 Mar 13 HG

LB 240-78276/1-E

Hg -.0199 ppb .0000 -.0199

*** Check Standard: 6 Ck6CCV Seq: 35 15:07:26 18 Mar 13 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD

Hg		102.5	5.124	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 36 15:08:46 18 Mar 13 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD

Hg		.0821	.2000	ppb	.0000

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Check Standard: 6 Ck6CCV Seq: 37 15:11:02 18 Mar 13 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		98.98	4.949	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB Seq: 38 15:12:19 18 Mar 13 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		.0483	.2000	ppb	.0000			
*** Sample ID: Seq: 39 15:13:46 18 Mar 13 HG								
			MB 240-78291/2-A					
Hg	-.0284	ppb	.0000	-.0284				
*** Sample ID: Seq: 40 15:15:03 18 Mar 13 HG								
			LCS 240-78291/3-A					
Hg	4.497	ppb	.0000	4.497				
*** Sample ID: Seq: 41 15:16:22 18 Mar 13 HG								
			240-21869-B-1-E					
Hg	.0998	ppb	.0000	.0998				
*** Sample ID: Seq: 42 15:17:48 18 Mar 13 HG								
			240-21869-B-1-F MS					
Hg	4.700	ppb	.0000	4.700				
*** Sample ID: Seq: 43 15:19:04 18 Mar 13 HG								
			240-21869-B-1-G MSD					
Hg	4.671	ppb	.0000	4.671				
*** Sample ID: Seq: 44 15:22:15 18 Mar 13 HG								
			240-21841-C-1-J					
Hg	-.0110	ppb	.0000	-.0110				
*** Sample ID: Seq: 45 15:23:32 18 Mar 13 HG								
			240-21850-D-1-G					
Hg	-.0005	ppb	.0000	-.0005				
*** Sample ID: Seq: 46 15:25:02 18 Mar 13 HG								
			240-21797-A-1-H					
Hg	-.0313	ppb	.0000	-.0313				
*** Sample ID: Seq: 47 15:26:38 18 Mar 13 HG								
			240-21871-A-1-F					
Hg	-.0043	ppb	.0000	-.0043				
*** Sample ID: Seq: 48 15:28:16 18 Mar 13 HG								
			~~240-21871-A-2-F~~ MB 240-78262/1-A					
Hg	-.0278	ppb	.0000	-.0278				
*** Check Standard: 6 Ck6CCV Seq: 49 15:29:52 18 Mar 13 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		102.7	5.137	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB Seq: 50 15:31:08 18 Mar 13 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0437	.2000	ppb	.0000			
*** Sample ID: Seq: 51 15:32:23 18 Mar 13 HG								
			~~MB 240-78257/1-A~~ LCS -240-78262/2-A					
Hg	4.518	ppb	.0000	4.518				
*** Check Standard: 6 Ck6CCV Seq: 52 15:33:39 18 Mar 13 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		99.72	4.986	5.000	ppb	.0000		

Not
 Needed
 SG
 3-18-13

POST-RUN REPORT

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

*** Check Standard: 1 Ck1CCB Seq: 53 15:35:05 18 Mar 13 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0255	.2000	ppb	.0000			

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

*** Check Standard: 6	Ck6CCV			Seq: 54		15:39:50	18 Mar 13	HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		103.7	5.186	5.000	ppb	.0000		
*** Check Standard: 1	Ck1CCB			Seq: 55		15:41:09	18 Mar 13	HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0334	.2000	ppb	.0000			
*** Sample ID:				Seq: 56		15:42:51	18 Mar 13	HG
				240-21871-A-2-E				
Hg	.0001	ppb	.0000	.0001				
*** Sample ID:				Seq: 57		15:44:07	18 Mar 13	HG
				MB 240-78257/1-A				
Hg	-.0290	ppb	.0000	-.0290				
*** Sample ID:				Seq: 58		15:45:55	18 Mar 13	HG
				LCS 240-78257/2-A				
Hg	4.312	ppb	.0000	4.312				
*** Sample ID:				Seq: 59		15:47:35	18 Mar 13	HG
				240-21882-A-5-A				
Hg	.3364	ppb	.0000	.3364				
*** Sample ID:				Seq: 60		15:49:07	18 Mar 13	HG
				240-21882-A-5-B MS				
Hg	.9664	ppb	.0000	.9664				
*** Sample ID:				Seq: 61		15:50:43	18 Mar 13	HG
				240-21882-A-5-C MSD				
Hg	.6965	ppb	.0000	.6965				
*** Sample ID:				Seq: 62		15:53:18	18 Mar 13	HG
				240-21882-A-1-A				
Hg	8.028	ppb	.0000	8.028				
*** Sample ID:				Seq: 63		15:54:36	18 Mar 13	HG
				240-21882-A-3-A				
Hg	6.472	ppb	.0000	6.472				
*** Sample ID:				Seq: 64		15:56:09	18 Mar 13	HG
				240-21882-A-6-A				
Hg	.1562	ppb	.0000	.1562				
*** Sample ID:				Seq: 65		15:57:56	18 Mar 13	HG
				240-21942-A-4-B				
Hg	.8823	ppb	.0000	.8823				
*** Check Standard: 6	Ck6CCV			Seq: 66		15:59:14	18 Mar 13	HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		102.6	5.129	5.000	ppb	.0000		
*** Check Standard: 1	Ck1CCB			Seq: 67		16:00:34	18 Mar 13	HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0366	.2000	ppb	.0000			
*** Sample ID:				Seq: 68		16:01:50	18 Mar 13	HG
				240-21942-A-5-B				
Hg	-.0019	ppb	.0000	-.0019				
*** Sample ID:				Seq: 69		16:03:06	18 Mar 13	HG
				240-21882-A-2-B				
Hg	-.0375	ppb	.0000	-.0375				

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

*** Sample ID:				Seq: 70		16:04:33	18 Mar 13	HG
				240-21882-A-4-B				
Hg	-.0319	ppb	.0000	-.0319				
*** Sample ID:				Seq: 71		16:06:12	18 Mar 13	HG
				240-21882-A-7-B				
Hg	-.0563	ppb	.0000	-.0563				
*** Sample ID:				Seq: 72		16:07:50	18 Mar 13	HG
				240-21760-A-5-D				
Hg	-.0143	ppb	.0000	-.0143				
*** Sample ID:				Seq: 73		16:09:20	18 Mar 13	HG
				MB 240-78267/1-A				
Hg	-.0645	ppb	.0000	-.0645				
*** Sample ID:				Seq: 74		16:11:07	18 Mar 13	HG
				LCS 240-78267/2-A				
Hg	4.187	ppb	.0000	4.187				
*** Sample ID:				Seq: 75		16:12:24	18 Mar 13	HG
				240-21943-X-1-A				
Hg	-.0493	ppb	.0000	-.0493				
*** Sample ID:				Seq: 76		16:14:01	18 Mar 13	HG
				240-21943-X-1-B MS				
Hg	.9866	ppb	.0000	.9866				
*** Sample ID:				Seq: 77		16:15:40	18 Mar 13	HG
				240-21943-X-1-C MSD				
Hg	.9846	ppb	.0000	.9846				
*** Check Standard: 6	Ck6CCV			Seq: 78		16:16:57	18 Mar 13	HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		102.4	5.122	5.000	ppb	.0000		
*** Check Standard: 1	Ck1CCB			Seq: 79		16:18:26	18 Mar 13	HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		.0789	.2000	ppb	.0000			
*** Sample ID:				Seq: 80		16:20:02	18 Mar 13	HG
				240-21914-L-1-A				
Hg	.2373	ppb	.0000	.2373				
*** Sample ID:				Seq: 81		16:21:44	18 Mar 13	HG
				240-21945-I-1-A				
Hg	.0671	ppb	.0000	.0671				
*** Sample ID:				Seq: 82		16:23:12	18 Mar 13	HG
				240-21947-I-1-A				
Hg	.0657	ppb	.0000	.0657				
*** Sample ID:				Seq: 83		16:24:38	18 Mar 13	HG
				240-21947-I-2-A				
Hg	-.1548	ppb	.0000	-.1548				
*** Sample ID:				Seq: 84		16:26:16	18 Mar 13	HG
				240-21916-F-1-D				
Hg	-.0002	ppb	.0000	-.0002				
*** Sample ID:				Seq: 85		16:27:37	18 Mar 13	HG
				240-21916-F-2-B				
Hg	.0210	ppb	.0000	.0210				

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 86		16:29:19	18 Mar 13	HG
				240-21916-F-3-B				
Hg	-.0187	ppb	.0000	-.0187				
*** Sample ID:				Seq: 87		16:31:07	18 Mar 13	HG
				240-21916-F-4-B				
Hg	.0098	ppb	.0000	.0098				
*** Sample ID:				Seq: 88		16:32:33	18 Mar 13	HG
				240-21916-F-5-B				
Hg	-.0158	ppb	.0000	-.0158				
*** Sample ID:				Seq: 89		16:33:54	18 Mar 13	HG
				240-21916-F-20-B				
Hg	.0263	ppb	.0000	.0263				
*** Check Standard: 6	Ck6CCV			Seq: 90		16:35:36	18 Mar 13	HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		102.4	5.122	5.000	ppb	.0000		
*** Check Standard: 1	Ck1CCB			Seq: 91		16:37:01	18 Mar 13	HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0075	.2000	ppb	.0000			
*** Sample ID:				Seq: 92		16:38:26	18 Mar 13	HG
				240-21916-F-21-B				
Hg	-.0087	ppb	.0000	-.0087				
*** Sample ID:				Seq: 93		16:40:02	18 Mar 13	HG
				240-21916-F-22-B				
Hg	.0063	ppb	.0000	.0063				
*** Sample ID:				Seq: 94		16:41:19	18 Mar 13	HG
				240-21916-F-23-B				
Hg	-.0207	ppb	.0000	-.0207				
*** Sample ID:				Seq: 95		16:43:07	18 Mar 13	HG
				240-21916-F-24-B				
Hg	.0054	ppb	.0000	.0054				
*** Sample ID:				Seq: 96		16:44:27	18 Mar 13	HG
				240-21916-F-25-B				
Hg	-.0055	ppb	.0000	-.0055				
*** Sample ID:				Seq: 97		16:45:47	18 Mar 13	HG
				240-21916-F-26-B				
Hg	.0104	ppb	.0000	.0104				
*** Sample ID:				Seq: 98		16:47:24	18 Mar 13	HG
				LB 240-78392/1-D				
Hg	.0183	ppb	.0000	.0183				
*** Sample ID:				Seq: 99		16:48:43	18 Mar 13	HG
				MB 240-78436/2-A				
Hg	.0439	ppb	.0000	.0439				
*** Sample ID:				Seq: 100		16:51:12	18 Mar 13	HG
				LCS 240-78436/3-A				
Hg	5.058	ppb	.0000	5.058				
*** Sample ID:				Seq: 101		16:53:45	18 Mar 13	HG
				240-21946-B-2-G				
Hg	.3388	ppb	.0000	.3388				

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Check Standard: 6 Ck6CCV Seq: 102 16:55:04 18 Mar 13 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		99.21	4.961	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB Seq: 103 16:56:29 18 Mar 13 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		.0986	.2000	ppb	.0000			
*** Sample ID: Seq: 104 16:57:55 18 Mar 13 HG								
					240-21946-B-2-E MS			
Hg	5.384	ppb	.0000	5.384				
*** Sample ID: Seq: 105 16:59:27 18 Mar 13 HG								
					240-21946-B-2-F MSD			
Hg	5.213	ppb	.0000	5.213				
*** Sample ID: Seq: 106 17:00:47 18 Mar 13 HG								
					LB 240-78384/1-E			
Hg	.0069	ppb	.0000	.0069				
*** Sample ID: Seq: 107 17:02:16 18 Mar 13 HG								
					MB 240-78439/2-A			
Hg	.0066	ppb	.0000	.0066				
*** Sample ID: Seq: 108 17:03:33 18 Mar 13 HG								
					LCS 240-78439/3-A			
Hg	5.044	ppb	.0000	5.044				
*** Sample ID: Seq: 109 17:04:55 18 Mar 13 HG								
					240-21946-B-3-E			
Hg	.0757	ppb	.0000	.0757				
*** Sample ID: Seq: 110 17:06:14 18 Mar 13 HG								
					240-21946-B-3-F MS			
Hg	4.985	ppb	.0000	4.985				
*** Sample ID: Seq: 111 17:07:53 18 Mar 13 HG								
					240-21946-B-3-G MSD			
Hg	4.982	ppb	.0000	4.982				
*** Sample ID: Seq: 112 17:09:23 18 Mar 13 HG								
					240-21866-B-1-D			
Hg	.0231	ppb	.0000	.0231				
*** Sample ID: Seq: 113 17:11:19 18 Mar 13 HG								
					240-21914-AE-1-H			
Hg	.3729	ppb	.0000	.3729				
*** Check Standard: 6 Ck6CCV Seq: 114 17:13:07 18 Mar 13 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		102.3	5.116	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB Seq: 115 17:14:22 18 Mar 13 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0449	.2000	ppb	.0000			
*** Check Standard: 6 Ck6CCV Seq: 116 17:16:47 18 Mar 13 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		102.5	5.127	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB Seq: 117 17:19:03 18 Mar 13 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0119	.2000	ppb	.0000			

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

*** Sample ID:				Seq: 118		17:20:20	18 Mar 13	HG
				240-21946-B-1-E				
Hg	.3050	ppb	.0000	.3050				
*** Sample ID:				Seq: 119		17:21:38	18 Mar 13	HG
				240-21904-B-1-F				
Hg	.0295	ppb	.0000	.0295				
*** Sample ID:				Seq: 120		17:22:54	18 Mar 13	HG
				240-21962-C-1-E				
Hg	.0392	ppb	.0000	.0392				
*** Sample ID:				Seq: 121		17:24:42	18 Mar 13	HG
				MB 240-78432/1-A				
Hg	.0460	ppb	.0000	.0460				
*** Sample ID:				Seq: 122		17:26:21	18 Mar 13	HG
				LCS 240-78432/2-A				
Hg	4.462	ppb	.0000	4.462				
*** Sample ID:				Seq: 123		17:27:40	18 Mar 13	HG
				240-21963-B-1-B				
Hg	-.0363	ppb	.0000	-.0363				
*** Sample ID:				Seq: 124		17:29:06	18 Mar 13	HG
				240-21963-B-1-C MS				
Hg	.9940	ppb	.0000	.9940				
*** Sample ID:				Seq: 125		17:30:44	18 Mar 13	HG
				240-21963-B-1-D MSD				
Hg	1.004	ppb	.0000	1.004				
*** Sample ID:				Seq: 126		17:32:02	18 Mar 13	HG
				190-222-A-1-B				
Hg	.0716	ppb	.0000	.0716				
*** Sample ID:				Seq: 127		17:33:39	18 Mar 13	HG
				190-223-A-1-B				
Hg	.0648	ppb	.0000	.0648				
*** Check Standard: 6	Ck6CCV			Seq: 128		17:35:00	18 Mar 13	HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		102.7	5.136	5.000	ppb	.0000		
*** Check Standard: 1	Ck1CCB			Seq: 129		17:36:46	18 Mar 13	HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0149	.2000	ppb	.0000			
*** Sample ID:				Seq: 130		17:38:33	18 Mar 13	HG
				190-224-A-1-B				
Hg	.0874	ppb	.0000	.0874				
*** Sample ID:				Seq: 131		17:40:02	18 Mar 13	HG
				190-227-C-1-B				
Hg	.1336	ppb	.0000	.1336				
*** Sample ID:				Seq: 132		17:41:29	18 Mar 13	HG
				190-235-C-1-B				
Hg	.0063	ppb	.0000	.0063				
*** Sample ID:				Seq: 133		17:42:46	18 Mar 13	HG
				190-237-C-1-B				
Hg	.0736	ppb	.0000	.0736				

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

*** Sample ID:				Seq: 134		17:44:24	18 Mar 13	HG
				240-21909-C-2-B				
Hg	.0654	ppb	.0000	.0654				
*** Sample ID:				Seq: 135		17:45:41	18 Mar 13	HG
				240-21966-F-1-B				
Hg	.0466	ppb	.0000	.0466				
*** Sample ID:				Seq: 136		17:46:59	18 Mar 13	HG
				240-21967-C-1-B				
Hg	.0119	ppb	.0000	.0119				
*** Sample ID:				Seq: 137		17:48:21	18 Mar 13	HG
				240-21967-C-2-B				
Hg	6.424	ppb	.0000	6.424				
*** Sample ID:				Seq: 138		17:49:47	18 Mar 13	HG
				240-21987-H-1-A				
Hg	.0113	ppb	.0000	.0113				
*** Sample ID:				Seq: 139		17:51:04	18 Mar 13	HG
				MB 240-78597/1-A				
Hg	.0801	ppb	.0000	.0801				
*** Check Standard: 6	Ck6CCV			Seq: 140		17:52:23	18 Mar 13	HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		103.1	5.153	5.000	ppb	.0000		
*** Check Standard: 1	Ck1CCB			Seq: 141		17:53:59	18 Mar 13	HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0437	.2000	ppb	.0000			
*** Sample ID:				Seq: 142		17:55:19	18 Mar 13	HG
				LCS 240-78597/2-A				
Hg	5.120	ppb	.0000	5.120				
*** Sample ID:				Seq: 143		17:56:37	18 Mar 13	HG
				240-22052-J-2-A				
Hg	-.0310	ppb	.0000	-.0310				
*** Sample ID:				Seq: 144		17:58:00	18 Mar 13	HG
				240-22052-J-2-B MS				
Hg	1.130	ppb	.0000	1.130				
*** Sample ID:				Seq: 145		17:59:18	18 Mar 13	HG
				240-22052-J-2-C MSD				
Hg	1.197	ppb	.0000	1.197				
*** Sample ID:				Seq: 146		18:00:45	18 Mar 13	HG
				190-251-A-1-A				
Hg	3.626	ppb	.0000	3.626				
*** Sample ID:				Seq: 147		18:02:02	18 Mar 13	HG
				240-22003-A-1-A				
Hg	7.013	ppb	.0000	7.013				
*** Sample ID:				Seq: 148		18:03:31	18 Mar 13	HG
				240-22003-A-2-A				
Hg	4.788	ppb	.0000	4.788				
*** Sample ID:				Seq: 149		18:05:13	18 Mar 13	HG
				240-22003-A-3-A				
Hg	-.1013	ppb	.0000	-.1013				

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

*** Sample ID:				Seq: 150	18:06:29	18 Mar 13	HG	
				240-22003-A-4-A				
Hg	.0454	ppb	.0000	.0454				
*** Sample ID:				Seq: 151	18:07:48	18 Mar 13	HG	
				240-22009-L-1-A				
Hg	-.0366	ppb	.0000	-.0366				
*** Check Standard: 6	Ck6CCV			Seq: 152	18:09:04	18 Mar 13	HG	
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		102.9	5.144	5.000	ppb	.0000		
*** Check Standard: 1	Ck1CCB			Seq: 153	18:10:33	18 Mar 13	HG	
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		.0172	.2000	ppb	.0000			
*** Sample ID:				Seq: 154	18:11:48	18 Mar 13	HG	
				190-254-B-1-A				
Hg	-.0108	ppb	.0000	-.0108				
*** Sample ID:				Seq: 155	18:14:11	18 Mar 13	HG	
				190-256-C-1-A				
Hg	-.0049	ppb	.0000	-.0049				
*** Sample ID:				Seq: 156	18:15:29	18 Mar 13	HG	
				190-257-C-1-A				
Hg	.0245	ppb	.0000	.0245				
*** Sample ID:				Seq: 157	18:16:57	18 Mar 13	HG	
				240-22026-A-2-A				
Hg	.0286	ppb	.0000	.0286				
*** Sample ID:				Seq: 158	18:18:44	18 Mar 13	HG	
				240-22026-A-4-A				
Hg	-.0105	ppb	.0000	-.0105				
*** Sample ID:				Seq: 159	18:20:02	18 Mar 13	HG	
				240-22020-K-1-A				
Hg	.0225	ppb	.0000	.0225				
*** Sample ID:				Seq: 160	18:21:22	18 Mar 13	HG	
				240-22052-D-3-A				
Hg	-.0390	ppb	.0000	-.0390				
*** Sample ID:				Seq: 161	18:22:54	18 Mar 13	HG	
				240-22052-A-5-A				
Hg	.0842	ppb	.0000	.0842				
*** Sample ID:				Seq: 162	18:24:12	18 Mar 13	HG	
				240-22017-D-2-A				
Hg	-.0948	ppb	.0000	-.0948				
*** Sample ID:				Seq: 163	18:26:13	18 Mar 13	HG	
				240-22046-E-1-A				
Hg	.0145	ppb	.0000	.0145				
*** Check Standard: 6	Ck6CCV			Seq: 164	18:27:55	18 Mar 13	HG	
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		100.6	5.031	5.000	ppb	.0000		
*** Check Standard: 1	Ck1CCB			Seq: 165	18:29:31	18 Mar 13	HG	
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		.0912	.2000	ppb	.0000			

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: Seq: 166 18:31:09 18 Mar 13 HG								
240-22060-E-1-A								
Hg	.0375	ppb	.0000	.0375				
*** Sample ID: Seq: 167 18:32:32 18 Mar 13 HG								
240-22003-A-5-B								
Hg	-.0901	ppb	.0000	-.0901				
*** Check Standard: 6 Ck6CCV Seq: 168 18:33:50 18 Mar 13 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		100.4	5.018	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB Seq: 169 18:35:16 18 Mar 13 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0625	.2000	ppb	.0000			

POST-RUN REPORT

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

*** Check Standard: 6 Ck6CCV Seq: 170 09:25:56 19 Mar 13 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		94.74	4.737	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB Seq: 171 09:27:26 19 Mar 13 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0225	.2000	ppb	.0000			
*** Sample ID: Seq: 172 09:28:41 19 Mar 13 HG								
			CRA					
Hg	.1962	ppb	.0000	.1962				

Dilution Corrected Concentrations

STD1 758008 INT STD 4/1/2013 2:24:34 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	14:25:17	99.203%	0.004	-0.064	0.081	0.000	-0.307	-0.165	-0.152
2	14:26:00	101.056%	-0.002	0.056	-0.020	0.000	-0.174	0.063	0.116
3	14:26:43	99.741%	-0.002	0.008	-0.061	0.000	0.481	0.102	0.036
X		100.000%	0.000	0.000	-0.000	0.000	-0.000	0.000	0.000
σ		0.953%	0.003	0.061	0.073	0.000	0.422	0.144	0.138
%RSD		0.953	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	14:25:17	-0.283	1.033	0.000	-0.155	0.555	-0.014	99.910%	-0.003
2	14:26:00	0.200	-0.393	0.000	-0.234	-1.121	-0.096	100.661%	-0.021
3	14:26:43	0.083	-0.640	0.000	0.390	0.566	0.110	99.428%	0.024
X		-0.000	0.000	0.000	-0.000	0.000	-0.000	100.000%	0.000
σ		0.252	0.903	0.000	0.340	0.971	0.103	0.621%	0.023
%RSD		0.000	0.000	0.000	0.000	0.000	0.000	0.621	0.000
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:25:17	-0.005	-0.000	-0.006	0.358	-0.512	-0.002	-0.025	-0.003
2	14:26:00	0.002	-0.003	0.011	-0.116	0.201	0.001	0.012	0.020
3	14:26:43	0.003	0.003	-0.005	-0.242	0.312	0.001	0.013	-0.017
X		0.000	0.000	0.000	0.000	0.000	-0.000	-0.000	0.000
σ		0.005	0.003	0.009	0.316	0.447	0.002	0.021	0.019
%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	14:25:17	0.016	-0.004	0.020	0.032	-0.027	0.064	0.000	0.001
2	14:26:00	-0.003	0.029	0.025	-0.001	0.055	0.035	0.000	-0.001
3	14:26:43	-0.013	-0.026	-0.044	-0.030	-0.028	-0.099	0.000	-0.000
X		-0.000	-0.000	0.000	-0.000	-0.000	0.000	0.000	0.000
σ		0.015	0.028	0.038	0.031	0.048	0.087	0.000	0.001
%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	14:25:17	98.817%	-0.005	-0.010	99.836%	-0.005	0.003	-0.005	-0.003
2	14:26:00	100.827%	-0.002	0.024	100.882%	0.001	-0.002	0.023	0.012
3	14:26:43	100.356%	0.007	-0.014	99.283%	0.004	-0.001	-0.018	-0.009
X		100.000%	-0.000	0.000	100.000%	0.000	-0.000	0.000	0.000
σ		1.051%	0.006	0.021	0.812%	0.004	0.002	0.021	0.011
%RSD		1.051	0.000	0.000	0.812	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	14:25:17	98.148%	0.002	-0.002	-0.001	-0.008	-0.012	98.008%	97.902%
2	14:26:00	101.437%	0.007	0.000	-0.004	0.001	0.014	101.020%	101.453%
3	14:26:43	100.415%	-0.008	0.001	0.004	0.007	-0.002	100.972%	100.645%
X		100.000%	0.000	-0.000	-0.000	-0.000	-0.000	100.000%	100.000%
σ		1.683%	0.008	0.001	0.004	0.008	0.013	1.725%	1.862%
%RSD		1.683	0.000	0.000	0.000	0.000	0.000	1.725	1.862
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	14:25:17	0.001	-0.000	-0.004	-0.007	-0.007	98.507%		
2	14:26:00	-0.001	0.001	0.002	0.014	0.004	101.005%		
3	14:26:43	0.000	-0.001	0.002	-0.007	0.002	100.488%		
X		0.000	0.000	-0.000	-0.000	-0.000	100.000%		
σ		0.001	0.001	0.004	0.012	0.006	1.318%		
%RSD		0.000	0.000	0.000	0.000	0.000	1.318		

STD2 781421 4/1/2013 2:30:04 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	14:30:47	89.048%	199.700	1.227	1.356	0.000	99010.000	99090.000	99320.000
2	14:31:29	90.300%	200.600	1.693	1.098	0.000	100400.000	100700.000	100500.000
3	14:32:12	92.148%	199.700	0.940	1.134	0.000	100600.000	100300.000	100200.000
X		90.499%	200.000	1.287	1.196	0.000	100000.000	100000.000	100000.000
σ		1.559%	0.544	0.380	0.140	0.000	856.300	809.500	604.700
%RSD		1.723	0.272	29.560	11.670	0.000	0.856	0.810	0.605
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:30:47	990.000	6.834	0.000	99270.000	99550.000	99740.000	91.778%	0.168
2	14:31:29	1009.000	6.633	0.000	100800.000	100900.000	100500.000	94.390%	0.238
3	14:32:12	1001.000	6.907	0.000	99970.000	99550.000	99760.000	97.763%	0.366
X		1000.000	6.791	0.000	100000.000	100000.000	100000.000	94.644%	0.258
σ		9.486	0.142	0.000	743.400	778.700	428.900	3.000%	0.101
%RSD		0.949	2.090	0.000	0.743	0.779	0.429	3.170	39.120
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:30:47	199.100	200.200	999.800	49960.000	49930.000	199.600	201.500	200.000
2	14:31:29	201.300	200.800	1008.000	50320.000	50380.000	201.800	200.200	201.000
3	14:32:12	199.700	199.000	992.100	49720.000	49690.000	198.500	198.300	198.900
X		200.000	200.000	1000.000	50000.000	50000.000	200.000	200.000	200.000
σ		1.129	0.940	7.986	303.700	353.100	1.689	1.605	1.054
%RSD		0.565	0.470	0.799	0.607	0.706	0.845	0.802	0.527
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:30:47	199.800	199.600	199.100	198.100	197.200	198.200	0.000	199.100
2	14:31:29	200.600	200.900	202.200	201.800	202.800	200.900	0.000	202.200
3	14:32:12	199.600	199.600	198.800	200.100	199.900	200.900	0.000	198.700
X		200.000	200.000	200.000	200.000	200.000	200.000	0.000	200.000
σ		0.528	0.742	1.884	1.830	2.818	1.551	0.000	1.910
%RSD		0.264	0.371	0.942	0.915	1.409	0.776	0.000	0.955
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:30:47	92.819%	0.213	0.283	84.487%	198.700	198.900	199.700	199.300
2	14:31:29	95.877%	0.312	0.281	86.538%	200.400	201.300	200.900	201.200
3	14:32:12	99.522%	0.358	0.289	88.526%	200.900	199.800	199.400	199.500
X		96.073%	0.294	0.284	86.517%	200.000	200.000	200.000	200.000
σ		3.356%	0.074	0.004	2.019%	1.180	1.213	0.796	1.048
%RSD		3.493	25.150	1.502	2.334	0.590	0.607	0.398	0.524
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:30:47	91.432%	0.191	0.130	0.132	198.500	199.800	96.220%	96.159%
2	14:31:29	94.773%	0.211	0.128	0.145	202.100	200.700	98.951%	99.474%
3	14:32:12	97.726%	0.183	0.134	0.122	199.400	199.500	101.450%	101.870%
X		94.643%	0.195	0.131	0.133	200.000	200.000	98.874%	99.168%
σ		3.149%	0.015	0.003	0.012	1.854	0.652	2.616%	2.868%
%RSD		3.327	7.550	2.479	8.871	0.927	0.326	2.646	2.892
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	14:30:47	195.400	195.900	196.000	196.200	195.700	85.404%		
2	14:31:29	202.200	201.600	202.600	201.900	202.200	85.998%		
3	14:32:12	202.400	202.500	201.400	201.900	202.100	87.318%		
X		200.000	200.000	200.000	200.000	200.000	86.240%		
σ		3.985	3.567	3.527	3.297	3.749	0.979%		
%RSD		1.993	1.783	1.763	1.648	1.875	1.136		

STD3 781422 4/1/2013 2:34:51 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	14:35:34	88.974%	0.073	202.800	201.600	0.000	411.100	81.100	82.100
2	14:36:17	92.670%	0.155	194.000	192.600	0.000	387.400	74.820	76.630
3	14:37:00	90.682%	0.159	203.200	205.900	0.000	410.900	80.150	79.180
X		90.775%	0.129	200.000	200.000	0.000	403.100	78.690	79.300
σ		1.850%	0.049	5.158	6.795	0.000	13.610	3.387	2.735
%RSD		2.038	37.820	2.579	3.398	0.000	3.376	4.304	3.449
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:35:34	14.500	10270.000	0.000	91.840	100.500	173.500	97.316%	205.600
2	14:36:17	13.530	9606.000	0.000	81.710	108.700	164.200	102.251%	192.100
3	14:37:00	14.550	10120.000	0.000	86.060	96.630	175.800	100.370%	202.200
X		14.190	10000.000	0.000	86.540	102.000	171.200	99.979%	200.000
σ		0.575	349.300	0.000	5.085	6.182	6.157	2.491%	7.027
%RSD		4.050	3.493	0.000	5.876	6.063	3.597	2.491	3.514
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:35:34	0.170	0.160	1.232	55.150	54.380	0.175	0.249	0.372
2	14:36:17	0.147	0.147	1.155	47.980	47.360	0.161	0.255	0.296
3	14:37:00	0.171	0.147	1.236	49.320	49.470	0.163	0.229	0.364
X		0.163	0.151	1.208	50.820	50.400	0.166	0.245	0.344
σ		0.013	0.007	0.045	3.814	3.602	0.008	0.014	0.042
%RSD		8.190	4.689	3.759	7.505	7.146	4.752	5.617	12.070
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:35:34	0.410	1.872	1.903	0.279	1.178	0.424	0.000	0.375
2	14:36:17	0.415	1.853	1.898	0.327	0.691	0.734	0.000	0.356
3	14:37:00	0.468	1.929	1.828	0.270	0.531	0.307	0.000	0.366
X		0.431	1.884	1.876	0.292	0.800	0.488	0.000	0.365
σ		0.032	0.039	0.042	0.031	0.337	0.221	0.000	0.010
%RSD		7.442	2.095	2.250	10.480	42.130	45.210	0.000	2.620
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:35:34	96.984%	200.200	200.500	96.490%	0.223	0.242	0.199	-0.294
2	14:36:17	102.162%	194.600	193.700	100.187%	0.213	0.217	0.243	-0.317
3	14:37:00	100.766%	205.100	205.800	99.016%	0.228	0.228	0.175	-0.207
X		99.971%	200.000	200.000	98.565%	0.221	0.229	0.205	-0.273
σ		2.679%	5.247	6.066	1.889%	0.008	0.013	0.034	0.058
%RSD		2.680	2.624	3.033	1.917	3.408	5.512	16.640	21.220
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:35:34	96.349%	203.800	203.400	202.900	0.318	0.551	98.087%	97.426%
2	14:36:17	102.616%	193.000	193.300	193.900	0.420	0.492	103.939%	103.385%
3	14:37:00	100.948%	203.200	203.300	203.300	0.417	0.503	102.559%	102.875%
X		99.971%	200.000	200.000	200.000	0.385	0.515	101.528%	101.229%
σ		3.246%	6.082	5.800	5.308	0.058	0.031	3.059%	3.303%
%RSD		3.247	3.041	2.900	2.654	15.080	6.048	3.013	3.263
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	14:35:34	0.128	0.131	0.168	0.172	0.161	94.724%		
2	14:36:17	0.126	0.121	0.135	0.142	0.140	102.116%		
3	14:37:00	0.136	0.120	0.159	0.168	0.166	100.950%		
X		0.130	0.124	0.154	0.161	0.156	99.263%		
σ		0.005	0.006	0.017	0.016	0.014	3.974%		
%RSD		4.219	4.768	10.850	9.993	8.899	4.003		

ICV 768044 4/1/2013 2:39:38 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	14:40:21	90.753%	82.410	80.120	82.600	0.000	40210.000	39570.000	39520.000
2	14:41:04	91.531%	80.970	80.970	82.070	0.000	39960.000	39370.000	39370.000
3	14:41:47	93.608%	78.550	80.250	79.100	0.000	38830.000	38310.000	38170.000
x		91.964%	100.806%	100.558%	101.566%	0.000	99.163%	97.711%	97.552%
σ		1.476%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.605	2.419	0.571	2.320	0.000	1.853	1.734	1.903
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:40:21	410.200	4146.000	0.000	40030.000	39100.000	39300.000	95.512%	80.570
2	14:41:04	408.700	4179.000	0.000	39980.000	38970.000	39420.000	96.142%	81.320
3	14:41:47	393.100	4051.000	0.000	38550.000	38660.000	38220.000	97.639%	76.880
x		101.006%	103.135%	0.000	98.803%	97.273%	97.450%	96.431%	99.489%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.093%	n/a
%RSD		2.343	1.602	0.000	2.131	0.571	1.704	1.133	2.987
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:40:21	80.950	81.400	415.000	19980.000	20900.000	81.330	82.070	82.020
2	14:41:04	80.150	80.920	415.700	19860.000	20840.000	80.780	80.800	81.250
3	14:41:47	77.510	77.880	404.300	19270.000	20270.000	77.800	78.320	79.430
x		99.421%	100.087%	102.915%	98.513%	103.363%	99.965%	100.496%	101.125%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		2.265	2.385	1.553	1.912	1.683	2.376	2.368	1.640
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:40:21	83.360	83.860	83.870	79.650	80.730	80.860	0.000	78.260
2	14:41:04	81.550	84.160	85.940	80.180	82.070	81.870	0.000	78.150
3	14:41:47	80.990	81.310	82.290	78.690	79.790	78.520	0.000	76.780
x		102.457%	103.890%	105.039%	99.386%	101.079%	100.519%	0.000	97.163%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.509	1.888	2.177	0.951	1.417	2.135	0.000	1.063
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:40:21	95.458%	82.640	83.870	88.192%	81.880	82.470	83.150	82.690
2	14:41:04	97.145%	83.390	84.980	88.394%	81.490	81.980	82.210	82.140
3	14:41:47	99.291%	80.610	82.990	89.983%	80.320	80.150	80.370	80.090
x		97.298%	102.768%	104.932%	88.856%	101.540%	101.917%	102.390%	102.052%
σ		1.921%	n/a	n/a	0.981%	n/a	n/a	n/a	n/a
%RSD		1.974	1.748	1.188	1.104	0.995	1.500	1.727	1.678
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:40:21	92.065%	89.980	80.700	80.190	81.590	80.440	95.916%	96.394%
2	14:41:04	94.999%	88.580	79.730	79.520	80.470	80.710	98.155%	98.106%
3	14:41:47	96.181%	86.650	78.520	78.050	79.120	79.420	99.877%	100.605%
x		94.415%	110.506%	99.564%	99.067%	100.493%	100.239%	97.983%	98.368%
σ		2.119%	n/a	n/a	n/a	n/a	n/a	1.986%	2.118%
%RSD		2.244	1.893	1.375	1.385	1.534	0.845	2.027	2.153
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	14:40:21	82.640	82.540	80.620	84.120	82.380	85.803%		
2	14:41:04	82.800	82.870	81.470	84.640	83.050	87.470%		
3	14:41:47	79.650	79.530	77.920	81.050	79.520	90.697%		
x		102.117%	102.061%	100.004%	104.087%	102.064%	87.990%		
σ		n/a	n/a	n/a	n/a	n/a	2.488%		
%RSD		2.174	2.257	2.318	2.330	2.297	2.828		

ICB 4/1/2013 2:44:29 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	14:45:12	114.951%	0.024	1.395	1.577	0.000	19.680	2.315	2.399
2	14:45:55	116.361%	0.005	1.424	1.385	0.000	20.730	2.133	2.296
3	14:46:38	115.644%	0.014	1.032	1.122	0.000	20.090	1.753	1.779
X		115.652%	0.014	1.284	1.362	0.000	20.170	2.067	2.158
σ		0.705%	0.010	0.219	0.229	0.000	0.530	0.287	0.332
%RSD		0.609	67.820	17.020	16.800	0.000	2.630	13.880	15.380
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:45:12	1.645	0.549	0.000	49.710	3.256	4.464	111.979%	0.074
2	14:45:55	1.669	-0.279	0.000	44.160	2.552	5.486	110.884%	0.034
3	14:46:38	1.650	-1.517	0.000	38.520	2.603	3.734	109.616%	-0.032
X		1.655	-0.415	0.000	44.130	2.804	4.561	110.826%	0.026
σ		0.013	1.040	0.000	5.598	0.393	0.880	1.182%	0.053
%RSD		0.765	250.300	0.000	12.680	14.010	19.290	1.067	208.800
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:45:12	0.056	0.121	0.058	-4.531	2.683	-0.003	0.029	0.720
2	14:45:55	-0.091	0.098	0.062	-5.728	2.134	-0.003	0.024	0.810
3	14:46:38	0.047	0.081	0.049	-6.676	2.213	-0.008	0.040	0.908
X		0.004	0.100	0.056	-5.645	2.343	-0.004	0.031	0.813
σ		0.083	0.020	0.007	1.075	0.297	0.003	0.008	0.094
%RSD		1901.000	20.010	11.930	19.040	12.670	63.990	26.910	11.570
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:45:12	0.165	0.556	0.585	-0.077	2.638	-0.335	0.000	0.018
2	14:45:55	0.152	0.564	0.637	-0.057	2.353	-0.524	0.000	0.015
3	14:46:38	0.158	0.548	0.553	-0.245	2.256	-0.675	0.000	0.019
X		0.158	0.556	0.592	-0.126	2.415	-0.511	0.000	0.017
σ		0.006	0.008	0.042	0.103	0.199	0.170	0.000	0.002
%RSD		3.874	1.404	7.167	81.640	8.221	33.300	0.000	12.410
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:45:12	88.595%	0.647	0.622	85.049%	0.036	0.030	-0.013	-0.005
2	14:45:55	88.416%	0.464	0.450	83.864%	0.014	0.019	-0.057	-0.030
3	14:46:38	88.102%	0.320	0.366	83.740%	0.005	0.012	-0.019	-0.005
X		88.371%	0.477	0.479	84.218%	0.018	0.020	-0.030	-0.013
σ		0.250%	0.164	0.131	0.722%	0.016	0.009	0.024	0.014
%RSD		0.282	34.340	27.250	0.858	87.020	44.620	80.010	108.400
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:45:12	84.903%	0.133	0.017	0.019	0.073	0.030	88.393%	88.486%
2	14:45:55	85.884%	0.127	0.005	0.014	0.057	0.038	89.006%	89.239%
3	14:46:38	85.429%	0.106	0.016	0.030	0.072	0.053	88.888%	89.428%
X		85.405%	0.122	0.013	0.021	0.067	0.040	88.762%	89.051%
σ		0.491%	0.014	0.007	0.008	0.009	0.011	0.325%	0.498%
%RSD		0.575	11.870	50.530	38.660	13.300	28.550	0.366	0.560
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	14:45:12	0.014	0.011	0.068	0.099	0.086	91.225%		
2	14:45:55	0.009	0.006	0.065	0.094	0.075	90.863%		
3	14:46:38	0.006	0.009	0.072	0.080	0.073	91.891%		
X		0.010	0.009	0.068	0.091	0.078	91.326%		
σ		0.004	0.003	0.003	0.010	0.007	0.522%		
%RSD		43.620	29.730	4.771	10.830	8.851	0.571		

CRI 768045 4/1/2013 2:49:20 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	14:50:03	87.198%	0.979	5.607	5.877	0.000	105.300	103.500	103.800
2	14:50:46	86.381%	1.081	5.882	5.811	0.000	110.000	110.700	110.300
3	14:51:29	87.081%	1.080	5.562	6.018	0.000	110.200	110.000	111.200
X		86.887%	104.642%	113.672%	118.043%	0.000	108.470%	108.069%	108.427%
σ		0.442%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.509	5.624	3.048	1.783	0.000	2.572	3.664	3.712
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:50:03	30.920	490.300	0.000	107.400	109.500	109.700	91.540%	4.950
2	14:50:46	31.850	509.300	0.000	110.700	116.200	114.700	90.538%	4.863
3	14:51:29	32.720	509.100	0.000	111.700	98.380	116.300	89.921%	5.116
X		106.094%	100.578%	0.000	109.940%	108.029%	113.591%	90.666%	99.524%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.817%	n/a
%RSD		2.826	2.173	0.000	2.063	8.349	3.033	0.901	2.583
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:50:03	0.864	1.887	5.527	52.650	55.440	0.492	0.961	2.065
2	14:50:46	0.814	1.918	5.771	54.870	57.070	0.508	1.002	2.103
3	14:51:29	0.882	1.937	5.750	56.040	55.250	0.513	1.090	2.125
X		85.346%	95.708%	1136.508%	109.039%	111.835%	100.900%	101.754%	104.876%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		4.144	1.331	2.381	3.156	1.790	2.259	6.486	1.435
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:50:03	2.110	5.300	5.036	1.238	5.034	5.086	0.000	4.615
2	14:50:46	2.136	5.470	5.289	1.062	4.908	4.910	0.000	4.850
3	14:51:29	2.240	5.510	5.421	1.109	5.339	5.457	0.000	4.868
X		108.103%	108.529%	104.975%	113.599%	101.875%	103.019%	0.000	95.554%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		3.197	2.049	3.734	8.040	4.350	5.420	0.000	2.954
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:50:03	90.065%	4.412	4.319	91.623%	0.933	0.967	0.908	0.907
2	14:50:46	90.221%	4.502	4.586	91.239%	0.977	1.015	1.033	1.031
3	14:51:29	90.128%	4.777	4.587	91.053%	1.034	1.058	1.138	1.040
X		90.138%	91.270%	89.940%	91.305%	98.120%	101.313%	102.660%	99.271%
σ		0.079%	n/a	n/a	0.291%	n/a	n/a	n/a	n/a
%RSD		0.087	4.171	3.432	0.318	5.127	4.475	11.210	7.469
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:50:03	90.487%	4.735	1.797	1.969	9.148	9.240	91.753%	91.928%
2	14:50:46	91.281%	5.018	2.012	1.974	9.574	9.710	93.270%	92.736%
3	14:51:29	90.741%	5.182	1.977	1.992	9.627	9.795	93.035%	93.053%
X		90.836%	99.568%	96.428%	98.904%	94.495%	95.814%	92.686%	92.572%
σ		0.405%	n/a	n/a	n/a	n/a	n/a	0.816%	0.580%
%RSD		0.446	4.536	5.982	0.613	2.779	3.121	0.880	0.626
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	14:50:03	0.861	0.859	0.914	0.947	0.926	93.045%		
2	14:50:46	0.909	0.884	0.944	0.980	0.952	95.020%		
3	14:51:29	0.907	0.888	0.945	0.955	0.955	94.286%		
X		89.235%	87.708%	93.416%	96.084%	94.425%	94.117%		
σ		n/a	n/a	n/a	n/a	n/a	0.998%		
%RSD		3.058	1.802	1.892	1.818	1.655	1.061		

ICSA 768046 4/1/2013 2:54:10 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	14:54:53	72.500%	0.021	1.027	1.054	0.000	104700.000	104100.000	103300.000
2	14:55:36	73.925%	0.020	0.791	1.195	0.000	103800.000	103400.000	102800.000
3	14:56:18	75.321%	0.048	0.643	0.996	0.000	104000.000	103900.000	103300.000
X		73.915%	0.030	0.821	1.082	0.000	104100.000	103800.000	103100.000
σ		1.411%	0.016	0.193	0.103	0.000	466.900	360.400	264.000
%RSD		1.909	52.930	23.560	9.481	0.000	0.448	0.347	0.256
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:54:53	98280.000	23.190	0.000	104500.000	104800.000	105700.000	74.449%	2217.000
2	14:55:36	98370.000	22.520	0.000	103800.000	103900.000	105400.000	77.408%	2192.000
3	14:56:18	98240.000	22.760	0.000	103900.000	104800.000	105500.000	78.281%	2191.000
X		98300.000	22.820	0.000	104100.000	104500.000	105500.000	76.713%	2200.000
σ		64.930	0.339	0.000	363.300	531.700	150.400	2.008%	14.880
%RSD		0.066	1.484	0.000	0.349	0.509	0.142	2.618	0.676
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:54:53	-0.398	-0.039	0.406	106900.000	106600.000	0.093	-0.147	0.899
2	14:55:36	-0.323	-0.002	0.399	105500.000	105300.000	0.098	-0.156	1.042
3	14:56:18	-0.270	0.107	0.360	105000.000	104900.000	0.090	-0.118	1.047
X		-0.330	0.022	0.388	105800.000	105600.000	0.093	-0.140	0.996
σ		0.064	0.076	0.025	1000.000	901.500	0.004	0.020	0.084
%RSD		19.490	345.600	6.443	0.945	0.854	4.490	14.220	8.393
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:54:53	1.198	3.042	2.391	0.273	0.751	0.463	0.000	4.892
2	14:55:36	1.178	3.362	2.486	0.217	1.365	0.415	0.000	4.841
3	14:56:18	1.114	3.081	2.297	0.137	1.860	0.606	0.000	4.873
X		1.164	3.162	2.391	0.209	1.325	0.495	0.000	4.869
σ		0.044	0.175	0.094	0.068	0.556	0.099	0.000	0.026
%RSD		3.762	5.526	3.943	32.640	41.920	20.110	0.000	0.537
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:54:53	76.186%	2181.000	2133.000	71.618%	0.059	0.055	0.417	0.445
2	14:55:36	79.682%	2207.000	2149.000	74.165%	0.043	0.053	0.204	0.146
3	14:56:18	81.736%	2204.000	2148.000	76.022%	0.045	0.059	0.087	0.215
X		79.201%	2198.000	2144.000	73.935%	0.049	0.055	0.236	0.269
σ		2.806%	14.260	8.791	2.211%	0.009	0.003	0.168	0.156
%RSD		3.543	0.649	0.410	2.990	17.670	5.244	70.990	58.150
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:54:53	80.134%	0.171	0.266	0.289	0.365	0.317	83.002%	82.828%
2	14:55:36	83.839%	0.172	0.263	0.273	0.328	0.347	87.310%	87.013%
3	14:56:18	85.865%	0.144	0.273	0.336	0.352	0.359	89.566%	88.880%
X		83.280%	0.163	0.267	0.299	0.348	0.341	86.626%	86.241%
σ		2.906%	0.016	0.005	0.033	0.019	0.022	3.335%	3.099%
%RSD		3.490	9.682	1.959	10.890	5.417	6.364	3.850	3.594
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	14:54:53	0.014	0.006	0.132	0.125	0.124	75.944%		
2	14:55:36	0.009	0.011	0.134	0.142	0.129	78.156%		
3	14:56:18	0.007	0.010	0.119	0.142	0.123	78.128%		
X		0.010	0.009	0.128	0.137	0.125	77.410%		
σ		0.003	0.003	0.008	0.010	0.004	1.269%		
%RSD		33.660	29.100	6.484	7.161	2.871	1.640		

ICSAB 781423

4/1/2013 2:59:00 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	14:59:43	77.356%	18.930	50.520	48.900	0.000	101600.000	101200.000	101000.000
2	15:00:26	78.832%	18.940	45.580	48.890	0.000	100200.000	100100.000	99730.000
3	15:01:09	77.272%	19.640	48.280	51.590	0.000	105800.000	105400.000	104500.000
x		77.820%	95.833%	96.258%	99.587%	0.000	102.549%	102.216%	101.732%
σ		0.877%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.127	2.124	5.138	3.125	0.000	2.860	2.722	2.444
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:59:43	96230.000	536.200	0.000	102200.000	101600.000	102400.000	81.330%	2142.000
2	15:00:26	94480.000	531.100	0.000	101000.000	101500.000	101900.000	82.882%	2131.000
3	15:01:09	99300.000	556.600	0.000	106000.000	107000.000	106700.000	81.017%	2241.000
x		96.672%	108.261%	0.000	103.051%	103.359%	103.649%	81.743%	108.567%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.999%	n/a
%RSD		2.523	2.494	0.000	2.530	3.034	2.567	1.222	2.808
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:59:43	19.770	20.050	21.620	102800.000	102600.000	20.190	19.610	20.850
2	15:00:26	19.930	20.260	21.330	101800.000	101800.000	20.020	19.610	20.930
3	15:01:09	20.540	20.990	22.490	106500.000	106600.000	20.900	20.530	21.790
x		100.385%	102.180%	94.845%	103.696%	103.655%	101.861%	99.587%	105.942%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		2.015	2.410	2.785	2.402	2.514	2.284	2.681	2.460
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:59:43	20.910	22.350	21.900	21.890	55.320	54.610	0.000	25.040
2	15:00:26	20.400	23.360	21.530	21.390	56.790	54.440	0.000	25.100
3	15:01:09	21.760	23.830	23.420	22.370	58.130	58.590	0.000	26.150
x		105.116%	92.717%	89.139%	109.424%	113.493%	111.765%	0.000	127.140%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		3.273	3.259	4.484	2.235	2.480	4.199	0.000	2.447
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:59:43	83.147%	2126.000	2068.000	78.045%	19.530	19.590	20.230	19.520
2	15:00:26	84.833%	2151.000	2087.000	79.011%	19.620	19.660	20.190	19.820
3	15:01:09	83.359%	2259.000	2194.000	77.477%	20.630	20.470	21.110	20.660
x		83.779%	108.941%	105.805%	78.178%	99.642%	99.524%	102.545%	99.986%
σ		0.918%	n/a	n/a	0.776%	n/a	n/a	n/a	n/a
%RSD		1.096	3.241	3.206	0.992	3.077	2.463	2.545	2.956
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:59:43	86.469%	101.000	20.370	20.370	19.950	20.410	89.138%	89.215%
2	15:00:26	88.603%	100.800	20.160	20.080	19.600	20.290	92.294%	91.510%
3	15:01:09	87.255%	105.200	21.100	21.270	21.200	20.960	90.369%	89.903%
x		87.442%	102.335%	102.722%	102.879%	101.251%	102.750%	90.600%	90.209%
σ		1.079%	n/a	n/a	n/a	n/a	n/a	1.591%	1.178%
%RSD		1.234	2.431	2.405	3.010	4.166	1.736	1.756	1.306
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	14:59:43	19.600	19.540	19.920	19.960	19.940	80.159%		
2	15:00:26	20.170	20.180	20.470	19.960	20.270	80.975%		
3	15:01:09	21.050	21.080	21.190	21.270	21.250	79.904%		
x		101.359%	101.333%	102.650%	101.984%	102.429%	80.346%		
σ		n/a	n/a	n/a	n/a	n/a	0.559%		
%RSD		3.595	3.817	3.107	3.705	3.343	0.696		

CCV 735978 4/1/2013 3:03:51 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	15:04:34	73.950%	0.049	6.051	7.276	0.000	105.000	31.230	33.070
2	15:05:16	73.638%	0.035	7.887	7.081	0.000	102.600	32.050	32.380
3	15:05:59	71.075%	-0.001	6.877	7.307	0.000	97.340	31.940	31.080
x		72.888%	0.028	6.938	7.221	0.000	101.700	31.740	32.180
σ		1.578%	0.026	0.919	0.122	0.000	3.940	0.443	1.009
%RSD		2.164	92.230	13.250	1.691	0.000	3.875	1.395	3.136
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:04:34	472500.000	19.980	0.000	148.800	309.200	58.450	76.237%	2.149
2	15:05:16	467700.000	20.220	0.000	137.800	309.500	54.890	74.766%	2.010
3	15:05:59	476600.000	20.410	0.000	127.800	272.900	55.060	72.608%	1.785
x		472300.000	20.200	0.000	138.100	297.200	56.130	74.537%	1.981
σ		4435.000	0.217	0.000	10.520	21.070	2.008	1.826%	0.183
%RSD		0.939	1.074	0.000	7.619	7.089	3.578	2.449	9.249
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:04:34	-497.900	19980.000	21210.000	512700.000	533200.000	9.315	9905.000	18550.000
2	15:05:16	-504.800	19960.000	21360.000	510200.000	530300.000	9.325	9799.000	18220.000
3	15:05:59	-495.300	19840.000	21350.000	511700.000	528600.000	9.308	9736.000	18140.000
x		-499.300	19930.000	21310.000	511500.000	530700.000	9.316	9814.000	18300.000
σ		4.911	77.910	87.960	1253.000	2328.000	0.008	85.450	215.000
%RSD		0.984	0.391	0.413	0.245	0.439	0.091	0.871	1.175
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:04:34	19250.000	18950.000	19000.000	0.601	8.627	1.422	0.000	0.179
2	15:05:16	18870.000	18830.000	18920.000	0.508	7.987	0.953	0.000	0.161
3	15:05:59	18820.000	18820.000	18910.000	0.539	6.785	1.162	0.000	0.181
x		18980.000	18860.000	18940.000	0.549	7.800	1.179	0.000	0.174
σ		236.000	71.930	47.990	0.047	0.935	0.235	0.000	0.011
%RSD		1.244	0.381	0.253	8.542	11.990	19.940	0.000	6.243
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:04:34	78.834%	12.790	12.260	82.875%	0.029	0.022	0.010	0.007
2	15:05:16	78.263%	10.030	9.884	81.349%	0.021	0.024	0.005	0.027
3	15:05:59	76.707%	8.370	8.276	79.096%	0.033	0.022	0.007	0.031
x		77.934%	10.400	10.140	81.107%	0.027	0.023	0.008	0.022
σ		1.101%	2.234	2.003	1.901%	0.006	0.001	0.003	0.012
%RSD		1.413	21.480	19.760	2.344	20.930	4.689	34.600	57.630
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:04:34	91.626%	0.258	0.781	0.774	14330.000	14550.000	77.969%	82.158%
2	15:05:16	92.763%	0.224	0.786	0.772	14180.000	14300.000	80.281%	83.361%
3	15:05:59	91.008%	0.264	0.796	0.778	14080.000	14280.000	79.868%	83.087%
x		91.799%	0.249	0.788	0.775	14200.000	14370.000	79.373%	82.869%
σ		0.890%	0.022	0.008	0.003	125.400	150.800	1.233%	0.630%
%RSD		0.969	8.763	0.966	0.408	0.883	1.049	1.553	0.760
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	15:04:34	0.127	0.133	18280.000	19600.000	18860.000	73.847%		
2	15:05:16	0.093	0.115	18360.000	19690.000	18950.000	74.912%		
3	15:05:59	0.076	0.096	18460.000	19830.000	19020.000	74.723%		
x		0.099	0.115	18370.000	19710.000	18950.000	74.494%		
σ		0.026	0.019	93.230	116.000	79.180	0.568%		
%RSD		26.540	16.280	0.508	0.589	0.418	0.763		

CCV 735987 4/1/2013 3:08:40 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	15:09:23	84.576%	0.021	5.035	5.338	0.000	468600.000	933900.000	936200.000
2	15:10:06	84.549%	-0.004	5.745	5.234	0.000	473700.000	944900.000	946000.000
3	15:10:49	81.740%	0.009	5.369	5.113	0.000	484200.000	967500.000	967400.000
X		83.622%	0.009	5.383	5.228	0.000	475500.000	948700.000	949900.000
σ		1.630%	0.013	0.355	0.113	0.000	7993.000	17110.000	15980.000
%RSD		1.949	148.100	6.600	2.158	0.000	1.681	1.803	1.683
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:09:23	4.402	20.120	0.000	458600.000	926600.000	944100.000	95.569%	0.875
2	15:10:06	6.614	18.140	0.000	469700.000	942500.000	956900.000	97.461%	0.959
3	15:10:49	306.300	19.900	0.000	480600.000	956600.000	974900.000	95.713%	1.344
X		105.800	19.380	0.000	469600.000	941900.000	958600.000	96.248%	1.059
σ		173.700	1.086	0.000	11010.000	15000.000	15470.000	1.053%	0.250
%RSD		164.200	5.604	0.000	2.345	1.593	1.614	1.094	23.600
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:09:23	-0.131	0.035	0.442	33.730	2307.000	0.619	-6.423	10.380
2	15:10:06	-0.092	0.190	0.535	30.160	2272.000	0.638	-6.933	11.560
3	15:10:49	-0.206	11.080	11.920	309.500	2649.000	0.681	-1.722	21.790
X		-0.143	3.769	4.297	124.500	2409.000	0.646	-5.026	14.580
σ		0.058	6.334	6.598	160.300	207.900	0.032	2.873	6.278
%RSD		40.450	168.100	153.500	128.800	8.628	5.002	57.160	43.070
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:09:23	1.536	3.081	2.314	0.102	32.860	0.360	0.000	37.250
2	15:10:06	1.751	3.393	2.483	0.213	38.600	0.599	0.000	37.880
3	15:10:49	11.200	11.730	11.150	0.287	41.420	0.943	0.000	38.600
X		4.829	6.067	5.315	0.201	37.630	0.634	0.000	37.910
σ		5.519	4.904	5.053	0.093	4.358	0.293	0.000	0.678
%RSD		114.300	80.830	95.060	46.430	11.580	46.230	0.000	1.789
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:09:23	98.667%	5.263	3.648	79.501%	0.073	0.061	0.103	0.066
2	15:10:06	100.374%	5.334	3.342	80.815%	0.067	0.062	0.039	0.023
3	15:10:49	99.062%	5.464	3.253	78.884%	0.069	0.075	0.042	0.033
X		99.368%	5.354	3.414	79.733%	0.070	0.066	0.061	0.041
σ		0.894%	0.102	0.207	0.987%	0.003	0.008	0.036	0.023
%RSD		0.899	1.904	6.073	1.237	4.788	11.610	58.890	56.110
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:09:23	89.782%	0.133	0.039	0.044	1.430	1.283	94.939%	95.461%
2	15:10:06	92.608%	0.136	0.034	0.035	1.458	1.409	97.228%	97.592%
3	15:10:49	91.548%	0.182	0.048	0.041	10.230	10.480	95.888%	96.191%
X		91.313%	0.150	0.041	0.040	4.374	4.391	96.018%	96.415%
σ		1.427%	0.028	0.007	0.004	5.075	5.275	1.150%	1.083%
%RSD		1.563	18.420	17.770	11.200	116.000	120.100	1.198	1.123
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	15:09:23	0.059	0.060	0.661	0.641	0.672	69.626%		
2	15:10:06	0.058	0.050	0.772	0.764	0.780	71.245%		
3	15:10:49	0.060	0.054	12.970	13.900	13.470	70.428%		
X		0.059	0.055	4.800	5.101	4.974	70.433%		
σ		0.001	0.005	7.073	7.618	7.359	0.810%		
%RSD		1.818	8.850	147.400	149.300	147.900	1.150		

CCV 781130 4/1/2013 3:13:29 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	15:14:12	88.962%	110.200	95.620	93.220	0.000	50040.000	50330.000	50820.000
2	15:14:55	90.098%	107.300	98.490	94.720	0.000	50350.000	50550.000	51230.000
3	15:15:38	89.678%	106.400	96.110	95.030	0.000	49500.000	49660.000	50100.000
x		89.580%	107.938%	96.739%	94.324%	0.000	99.927%	100.359%	101.434%
σ		0.574%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.641	1.829	1.592	1.023	0.000	0.854	0.927	1.125
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:14:12	521.600	5216.000	0.000	50720.000	48800.000	49160.000	102.315%	99.050
2	15:14:55	520.400	5202.000	0.000	50490.000	49430.000	49220.000	103.835%	98.740
3	15:15:38	514.400	5073.000	0.000	49770.000	48130.000	48570.000	105.782%	95.180
x		103.764%	103.276%	0.000	100.650%	97.573%	97.963%	103.977%	97.657%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.738%	n/a
%RSD		0.743	1.523	0.000	0.980	1.333	0.736	1.672	2.202
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:14:12	97.780	98.060	504.800	24790.000	25900.000	100.000	102.100	103.000
2	15:14:55	98.720	99.100	508.600	24700.000	26020.000	100.200	101.400	102.900
3	15:15:38	96.210	96.630	486.600	24120.000	25420.000	97.750	98.510	100.400
x		97.567%	97.932%	99.999%	98.153%	103.119%	99.339%	100.691%	102.109%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.300	1.268	2.348	1.489	1.220	1.392	1.906	1.422
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:14:12	102.900	107.900	106.800	101.900	102.900	102.500	0.000	97.620
2	15:14:55	103.900	107.700	108.100	102.900	104.500	103.500	0.000	98.590
3	15:15:38	101.100	105.900	106.500	101.000	103.100	102.200	0.000	97.340
x		102.642%	107.178%	107.158%	101.938%	103.532%	102.724%	0.000	97.851%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.365	1.012	0.787	0.922	0.830	0.689	0.000	0.671
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:14:12	101.120%	99.930	101.100	93.658%	100.000	99.900	98.870	98.620
2	15:14:55	103.525%	102.200	105.500	95.071%	100.500	100.800	99.770	99.500
3	15:15:38	105.170%	103.100	104.400	96.371%	98.740	99.040	97.810	97.510
x		103.271%	101.737%	103.683%	95.034%	99.749%	99.904%	98.816%	98.544%
σ		2.037%	n/a	n/a	1.357%	n/a	n/a	n/a	n/a
%RSD		1.972	1.594	2.202	1.428	0.903	0.870	0.995	1.015
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:14:12	98.409%	96.200	96.070	95.320	99.690	99.360	100.987%	100.882%
2	15:14:55	100.991%	96.650	96.290	95.700	99.750	99.470	104.248%	104.023%
3	15:15:38	102.641%	95.270	95.320	94.540	98.810	98.370	104.542%	105.061%
x		100.680%	96.040%	95.892%	95.186%	99.416%	99.067%	103.259%	103.322%
σ		2.133%	n/a	n/a	n/a	n/a	n/a	1.973%	2.176%
%RSD		2.118	0.736	0.527	0.618	0.531	0.614	1.911	2.106
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	15:14:12	95.470	95.290	95.640	95.450	95.480	89.910%		
2	15:14:55	97.640	97.590	97.390	97.390	97.400	91.369%		
3	15:15:38	95.450	95.940	96.750	96.530	96.390	93.388%		
x		96.186%	96.273%	96.595%	96.459%	96.425%	91.555%		
σ		n/a	n/a	n/a	n/a	n/a	1.747%		
%RSD		1.307	1.232	0.920	1.009	0.998	1.908		

CCB1 4/1/2013 3:19:48 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	15:20:31	116.761%	0.014	0.738	0.602	0.000	30.530	4.238	3.964
2	15:21:14	119.040%	-0.019	0.367	0.637	0.000	29.510	3.238	3.243
3	15:21:57	119.118%	-0.014	0.336	0.439	0.000	27.880	2.577	2.558
X		118.306%	-0.007	0.480	0.559	0.000	29.310	3.351	3.255
σ		1.339%	0.018	0.224	0.106	0.000	1.338	0.836	0.703
%RSD		1.132	269.500	46.580	18.900	0.000	4.566	24.960	21.590
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:20:31	2.425	-1.838	0.000	59.560	4.560	5.275	115.222%	0.071
2	15:21:14	2.111	-2.416	0.000	51.780	5.874	4.720	117.159%	0.123
3	15:21:57	1.871	-2.270	0.000	44.810	5.887	4.556	116.948%	0.045
X		2.136	-2.175	0.000	52.050	5.440	4.850	116.443%	0.080
σ		0.278	0.301	0.000	7.378	0.762	0.377	1.063%	0.040
%RSD		12.990	13.820	0.000	14.170	14.010	7.767	0.913	49.750
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:20:31	-0.013	0.112	0.073	-2.041	4.770	-0.003	0.039	1.126
2	15:21:14	-0.052	0.106	0.066	-3.261	3.985	-0.004	0.040	1.120
3	15:21:57	-0.018	0.099	0.062	-4.672	3.060	-0.003	0.048	1.064
X		-0.028	0.106	0.067	-3.325	3.938	-0.004	0.042	1.103
σ		0.021	0.006	0.006	1.316	0.856	0.001	0.005	0.034
%RSD		74.390	5.971	8.593	39.590	21.730	16.420	10.860	3.091
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:20:31	0.347	0.567	0.659	-0.015	3.529	-0.056	0.000	0.016
2	15:21:14	0.317	0.508	0.624	-0.210	3.524	-0.459	0.000	0.019
3	15:21:57	0.290	0.539	0.562	-0.214	3.150	-0.461	0.000	0.015
X		0.318	0.538	0.615	-0.146	3.401	-0.325	0.000	0.017
σ		0.028	0.029	0.049	0.114	0.217	0.233	0.000	0.002
%RSD		8.858	5.423	7.984	77.540	6.386	71.820	0.000	12.970
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:20:31	91.040%	1.153	0.993	86.875%	0.019	0.023	0.039	0.023
2	15:21:14	92.388%	1.016	0.957	88.458%	0.012	0.011	-0.036	-0.020
3	15:21:57	92.691%	0.769	0.774	88.597%	0.011	0.013	0.002	0.002
X		92.040%	0.979	0.908	87.977%	0.014	0.016	0.002	0.002
σ		0.879%	0.195	0.117	0.957%	0.004	0.006	0.037	0.022
%RSD		0.955	19.920	12.940	1.087	30.780	38.620	2055.000	1372.000
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:20:31	86.879%	0.186	0.019	0.038	0.049	0.060	89.438%	89.545%
2	15:21:14	89.204%	0.175	0.010	0.019	0.097	0.061	92.390%	92.063%
3	15:21:57	89.726%	0.139	0.014	0.024	0.068	0.057	91.928%	92.166%
X		88.603%	0.167	0.014	0.027	0.071	0.060	91.252%	91.258%
σ		1.516%	0.025	0.004	0.010	0.024	0.002	1.588%	1.484%
%RSD		1.710	14.870	29.320	35.280	33.860	3.457	1.740	1.626
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	15:20:31	0.013	0.011	0.110	0.126	0.112	94.323%		
2	15:21:14	0.003	0.007	0.094	0.110	0.100	94.883%		
3	15:21:57	0.006	0.006	0.086	0.089	0.083	95.965%		
X		0.007	0.008	0.097	0.108	0.098	95.057%		
σ		0.005	0.003	0.012	0.019	0.014	0.835%		
%RSD		66.250	34.550	12.440	17.240	14.720	0.878		

MB 180-66565/1-A

4/1/2013 3:24:38 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	15:25:21	114.330%	0.010	0.428	0.267	0.000	60.770	3.564	2.877
2	15:26:04	114.996%	-0.014	0.275	0.296	0.000	69.090	2.902	2.907
3	15:26:47	116.166%	-0.005	0.171	0.130	0.000	72.410	3.182	3.230
X		115.164%	-0.003	0.291	0.231	0.000	67.430	3.216	3.005
σ		0.929%	0.012	0.130	0.089	0.000	5.996	0.332	0.196
%RSD		0.807	406.100	44.520	38.440	0.000	8.893	10.320	6.508
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:25:21	4.688	10.930	0.000	40.170	4.266	6.851	106.981%	0.054
2	15:26:04	4.704	12.070	0.000	41.440	5.757	7.151	107.864%	0.044
3	15:26:47	4.392	13.620	0.000	40.270	11.930	9.298	107.704%	0.028
X		4.594	12.210	0.000	40.630	7.319	7.767	107.516%	0.042
σ		0.176	1.348	0.000	0.707	4.066	1.335	0.471%	0.013
%RSD		3.823	11.050	0.000	1.741	55.560	17.190	0.438	31.530
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:25:21	-0.002	0.170	0.338	2.164	5.766	-0.000	0.102	0.923
2	15:26:04	0.062	0.194	0.307	0.826	5.622	-0.004	0.118	0.777
3	15:26:47	-0.085	0.192	0.298	1.055	6.583	-0.005	0.141	0.798
X		-0.008	0.186	0.314	1.348	5.990	-0.003	0.120	0.833
σ		0.074	0.013	0.021	0.716	0.518	0.002	0.020	0.079
%RSD		885.300	7.183	6.659	53.110	8.646	76.190	16.210	9.449
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:25:21	0.351	0.802	0.807	-0.083	1.024	-0.141	0.000	0.024
2	15:26:04	0.271	0.708	0.787	-0.057	0.990	-0.026	0.000	0.023
3	15:26:47	0.324	0.865	0.944	-0.049	1.044	-0.014	0.000	0.021
X		0.315	0.792	0.846	-0.063	1.020	-0.060	0.000	0.023
σ		0.041	0.079	0.085	0.018	0.028	0.070	0.000	0.001
%RSD		12.890	9.947	10.100	28.050	2.702	116.300	0.000	5.389
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:25:21	93.014%	0.215	0.200	91.397%	0.004	0.005	-0.012	-0.008
2	15:26:04	95.405%	0.245	0.186	92.816%	0.004	0.009	-0.024	-0.009
3	15:26:47	95.511%	0.204	0.199	92.578%	0.000	0.011	0.000	0.007
X		94.644%	0.221	0.195	92.264%	0.003	0.008	-0.012	-0.003
σ		1.412%	0.021	0.008	0.760%	0.002	0.003	0.012	0.009
%RSD		1.492	9.467	3.995	0.823	75.770	40.540	99.700	283.400
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:25:21	90.713%	0.029	0.001	0.002	0.216	0.200	92.499%	92.848%
2	15:26:04	93.182%	-0.004	0.002	0.015	0.160	0.166	95.779%	95.458%
3	15:26:47	92.750%	0.028	0.002	0.013	0.171	0.179	95.798%	96.114%
X		92.215%	0.018	0.002	0.010	0.182	0.181	94.692%	94.807%
σ		1.318%	0.019	0.001	0.007	0.029	0.017	1.899%	1.728%
%RSD		1.430	104.800	57.860	68.520	16.040	9.396	2.005	1.822
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	15:25:21	0.007	0.003	0.244	0.256	0.243	95.786%		
2	15:26:04	0.001	-0.001	0.234	0.244	0.231	99.361%		
3	15:26:47	0.001	0.000	0.229	0.226	0.234	98.704%		
X		0.003	0.001	0.235	0.242	0.236	97.950%		
σ		0.004	0.002	0.008	0.015	0.007	1.903%		
%RSD		120.600	318.200	3.185	6.225	2.792	1.943		

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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	15:30:07	88.630%	47.250	901.900	924.900	0.000	45690.000	45620.000	45270.000
2	15:30:50	86.668%	47.510	923.300	946.500	0.000	45320.000	45670.000	44900.000
3	15:31:33	86.540%	44.510	888.700	922.600	0.000	43560.000	43500.000	43140.000
X		87.280%	46.420	904.600	931.300	0.000	44860.000	44930.000	44440.000
σ		1.172%	1.660	17.450	13.190	0.000	1140.000	1241.000	1138.000
%RSD		1.342	3.575	1.929	1.417	0.000	2.542	2.761	2.562
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:30:07	1724.000	8417.000	0.000	46040.000	46650.000	46910.000	80.506%	920.100
2	15:30:50	1686.000	8299.000	0.000	45120.000	46080.000	46380.000	76.605%	912.700
3	15:31:33	1617.000	7927.000	0.000	43540.000	44540.000	44500.000	75.870%	890.300
X		1675.000	8214.000	0.000	44900.000	45760.000	45930.000	77.660%	907.700
σ		54.510	255.700	0.000	1266.000	1093.000	1263.000	2.492%	15.510
%RSD		3.254	3.113	0.000	2.820	2.388	2.749	3.209	1.709
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:30:07	463.600	184.000	487.400	961.500	1055.000	454.800	456.400	228.400
2	15:30:50	463.500	185.300	491.400	951.900	1065.000	458.400	455.000	229.400
3	15:31:33	446.100	179.200	476.400	915.400	1017.000	441.200	443.000	222.700
X		457.800	182.800	485.100	942.900	1046.000	451.500	451.500	226.800
σ		10.080	3.256	7.771	24.310	24.960	9.050	7.387	3.620
%RSD		2.202	1.781	1.602	2.578	2.387	2.005	1.636	1.596
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:30:07	230.800	480.200	488.700	36.670	15.340	10.380	0.000	884.800
2	15:30:50	231.700	486.600	488.100	35.810	11.410	10.370	0.000	874.700
3	15:31:33	223.300	477.300	479.400	35.630	10.100	9.913	0.000	851.600
X		228.600	481.400	485.400	36.030	12.280	10.220	0.000	870.400
σ		4.604	4.726	5.227	0.557	2.726	0.265	0.000	17.040
%RSD		2.014	0.982	1.077	1.545	22.190	2.589	0.000	1.958
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:30:07	80.111%	950.100	972.100	74.174%	47.340	47.650	49.020	46.890
2	15:30:50	77.702%	965.200	984.100	70.742%	47.740	48.120	48.880	46.430
3	15:31:33	75.860%	943.600	961.600	69.660%	46.540	46.840	47.430	45.820
X		77.891%	953.000	972.600	71.525%	47.210	47.540	48.440	46.380
σ		2.131%	11.050	11.260	2.357%	0.615	0.652	0.884	0.537
%RSD		2.736	1.160	1.158	3.295	1.302	1.371	1.825	1.158
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:30:07	79.924%	1777.000	462.000	467.000	1823.000	1820.000	86.189%	86.741%
2	15:30:50	76.773%	1784.000	475.900	471.800	1827.000	1817.000	84.821%	85.538%
3	15:31:33	76.145%	1716.000	457.300	455.700	1754.000	1748.000	83.431%	83.972%
X		77.614%	1759.000	465.100	464.800	1801.000	1795.000	84.814%	85.417%
σ		2.025%	37.240	9.654	8.244	40.920	40.920	1.379%	1.389%
%RSD		2.609	2.117	2.076	1.773	2.272	2.280	1.626	1.626
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	15:30:07	43.580	43.510	17.530	19.040	18.180	78.659%		
2	15:30:50	44.300	44.640	17.590	18.870	18.290	77.445%		
3	15:31:33	43.470	43.530	17.280	18.510	17.840	76.959%		
X		43.780	43.890	17.470	18.810	18.100	77.688%		
σ		0.454	0.644	0.166	0.272	0.235	0.876%		
%RSD		1.037	1.468	0.951	1.448	1.298	1.127		

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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	15:34:54	86.941%	46.920	939.300	957.000	0.000	45330.000	45350.000	44910.000
2	15:35:37	89.098%	45.680	931.600	962.900	0.000	45030.000	44910.000	44530.000
3	15:36:20	89.477%	46.480	950.500	969.000	0.000	45050.000	45110.000	44620.000
X		88.505%	46.360	940.500	963.000	0.000	45140.000	45120.000	44690.000
σ		1.368%	0.631	9.541	5.958	0.000	164.900	224.600	196.300
%RSD		1.545	1.361	1.015	0.619	0.000	0.365	0.498	0.439
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:34:54	1868.000	8218.000	0.000	45250.000	46880.000	47910.000	74.469%	909.800
2	15:35:37	1819.000	8070.000	0.000	44980.000	46380.000	46200.000	75.597%	904.000
3	15:36:20	1837.000	8057.000	0.000	44660.000	46200.000	46240.000	75.102%	921.500
X		1841.000	8115.000	0.000	44960.000	46490.000	46780.000	75.056%	911.800
σ		24.570	89.530	0.000	297.700	353.400	978.600	0.565%	8.938
%RSD		1.334	1.103	0.000	0.662	0.760	2.092	0.753	0.980
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:34:54	463.600	185.200	489.800	952.800	1080.000	457.100	453.600	232.100
2	15:35:37	461.400	184.500	489.700	947.000	1060.000	454.200	449.500	228.700
3	15:36:20	463.300	184.400	492.300	951.200	1058.000	452.800	450.500	228.000
X		462.800	184.700	490.600	950.300	1066.000	454.700	451.200	229.600
σ		1.198	0.451	1.482	3.017	12.070	2.188	2.141	2.161
%RSD		0.259	0.244	0.302	0.318	1.132	0.481	0.474	0.941
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:34:54	231.000	488.700	489.700	37.170	10.650	10.210	0.000	873.500
2	15:35:37	230.700	487.700	489.500	36.520	10.430	10.140	0.000	873.500
3	15:36:20	230.100	490.400	491.500	36.070	10.370	10.610	0.000	878.200
X		230.600	489.000	490.200	36.590	10.480	10.320	0.000	875.100
σ		0.422	1.340	1.079	0.552	0.148	0.252	0.000	2.685
%RSD		0.183	0.274	0.220	1.509	1.416	2.440	0.000	0.307
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:34:54	74.599%	954.800	968.600	68.816%	48.140	48.370	48.380	47.190
2	15:35:37	75.578%	962.400	983.400	69.189%	47.900	47.770	49.120	47.250
3	15:36:20	75.426%	971.000	995.100	68.420%	48.010	48.790	50.210	47.680
X		75.201%	962.700	982.400	68.808%	48.020	48.310	49.240	47.370
σ		0.527%	8.129	13.280	0.385%	0.123	0.515	0.919	0.266
%RSD		0.701	0.844	1.352	0.559	0.256	1.066	1.867	0.562
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:34:54	73.352%	1791.000	472.900	468.700	1810.000	1802.000	80.740%	81.316%
2	15:35:37	75.852%	1746.000	466.500	464.000	1793.000	1783.000	83.512%	84.002%
3	15:36:20	75.491%	1772.000	467.200	468.500	1814.000	1801.000	83.067%	84.012%
X		74.898%	1770.000	468.800	467.100	1806.000	1795.000	82.440%	83.110%
σ		1.351%	22.560	3.517	2.655	11.160	10.930	1.489%	1.554%
%RSD		1.804	1.275	0.750	0.568	0.618	0.609	1.806	1.869
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	15:34:54	43.910	43.940	17.580	18.930	18.170	74.799%		
2	15:35:37	44.780	45.070	17.800	19.080	18.310	75.912%		
3	15:36:20	45.280	45.570	17.810	19.170	18.510	75.984%		
X		44.660	44.860	17.730	19.060	18.330	75.565%		
σ		0.697	0.838	0.130	0.120	0.169	0.664%		
%RSD		1.561	1.868	0.731	0.630	0.922	0.879		

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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	15:43:06	83.429%	0.022	118.100	123.100	0.000	37060.000	27270.000	26980.000
2	15:43:49	84.549%	0.015	114.000	120.500	0.000	36680.000	26900.000	26430.000
3	15:44:32	83.947%	0.022	115.600	120.100	0.000	36320.000	26510.000	26340.000
X		83.975%	0.020	115.900	121.200	0.000	36690.000	26890.000	26580.000
σ		0.561%	0.004	2.064	1.635	0.000	369.200	382.400	346.300
%RSD		0.668	19.860	1.781	1.349	0.000	1.006	1.422	1.303
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:43:06	2.122	4118.000	0.000	2483.000	64060.000	65530.000	71.786%	0.780
2	15:43:49	2.038	4003.000	0.000	2458.000	63680.000	65570.000	71.134%	0.762
3	15:44:32	1.913	4151.000	0.000	2431.000	63940.000	65340.000	70.763%	0.856
X		2.025	4091.000	0.000	2457.000	63890.000	65480.000	71.228%	0.799
σ		0.105	77.420	0.000	25.810	194.600	123.800	0.518%	0.050
%RSD		5.175	1.893	0.000	1.050	0.304	0.189	0.727	6.197
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:43:06	-0.099	1.437	94.130	480.600	585.800	0.049	-0.245	1.735
2	15:43:49	-0.016	1.224	94.730	484.100	596.900	0.060	-0.278	1.707
3	15:44:32	0.004	1.184	94.510	477.400	581.800	0.054	-0.309	1.600
X		-0.037	1.282	94.460	480.700	588.200	0.054	-0.277	1.681
σ		0.055	0.136	0.300	3.386	7.816	0.006	0.032	0.071
%RSD		147.100	10.610	0.318	0.705	1.329	10.410	11.530	4.233
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:43:06	1.328	5.077	5.326	0.956	0.248	0.204	0.000	459.600
2	15:43:49	1.518	4.998	5.574	0.262	0.220	0.102	0.000	462.100
3	15:44:32	1.480	5.132	5.378	0.206	-0.067	-0.184	0.000	462.400
X		1.442	5.069	5.426	0.475	0.134	0.041	0.000	461.400
σ		0.101	0.068	0.131	0.417	0.175	0.201	0.000	1.506
%RSD		6.977	1.335	2.409	87.940	130.700	496.000	0.000	0.326
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:43:06	72.497%	1.210	1.218	68.555%	0.007	0.000	-0.074	-0.036
2	15:43:49	72.753%	1.167	1.134	67.555%	0.007	0.006	-0.100	-0.077
3	15:44:32	72.177%	0.793	0.894	68.846%	0.002	0.000	-0.073	-0.086
X		72.476%	1.057	1.082	68.319%	0.005	0.002	-0.082	-0.066
σ		0.288%	0.229	0.168	0.677%	0.003	0.004	0.015	0.027
%RSD		0.398	21.690	15.510	0.991	50.720	145.000	18.310	40.510
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:43:06	71.785%	7.783	0.080	0.088	41.060	40.720	78.088%	78.802%
2	15:43:49	72.733%	7.201	0.065	0.093	40.390	41.130	80.058%	81.436%
3	15:44:32	72.696%	6.475	0.078	0.073	40.770	40.010	80.403%	81.122%
X		72.405%	7.153	0.075	0.085	40.740	40.620	79.516%	80.453%
σ		0.537%	0.655	0.008	0.010	0.340	0.563	1.249%	1.439%
%RSD		0.742	9.163	10.750	11.900	0.835	1.387	1.571	1.788
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	15:43:06	0.113	0.126	-0.009	0.001	-0.002	75.552%		
2	15:43:49	0.099	0.114	-0.007	0.000	-0.005	77.006%		
3	15:44:32	0.104	0.091	-0.009	-0.010	-0.007	76.358%		
X		0.105	0.110	-0.009	-0.003	-0.005	76.305%		
σ		0.007	0.018	0.002	0.006	0.002	0.728%		
%RSD		6.970	15.930	18.060	216.600	44.490	0.954		

240-21987-I-1-A SD@5

4/1/2013 3:47:10 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	15:47:53	78.951%	0.004	27.020	28.050	0.000	7171.000	5322.000	5327.000
2	15:48:36	78.314%	0.011	26.820	28.640	0.000	7339.000	5489.000	5491.000
3	15:49:19	77.659%	0.012	25.840	28.480	0.000	7411.000	5528.000	5511.000
X		78.308%	0.009	26.560	28.390	0.000	7307.000	5446.000	5443.000
σ		0.646%	0.004	0.633	0.305	0.000	123.300	109.200	101.100
%RSD		0.825	46.990	2.385	1.074	0.000	1.687	2.006	1.857
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:47:53	-0.016	846.700	0.000	476.300	12140.000	12660.000	71.701%	0.128
2	15:48:36	0.113	858.400	0.000	484.800	12310.000	12960.000	69.869%	0.210
3	15:49:19	0.092	866.700	0.000	494.700	12730.000	13180.000	68.650%	0.122
X		0.063	857.200	0.000	485.300	12390.000	12930.000	70.073%	0.153
σ		0.069	10.060	0.000	9.214	303.900	262.100	1.536%	0.049
%RSD		109.900	1.173	0.000	1.899	2.453	2.027	2.192	31.890
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:47:53	0.326	0.383	18.300	92.920	118.500	0.007	-0.094	0.361
2	15:48:36	0.180	0.404	18.690	94.120	117.800	0.004	-0.074	0.349
3	15:49:19	0.309	0.411	19.070	96.170	122.100	0.010	-0.062	0.418
X		0.272	0.400	18.690	94.400	119.400	0.007	-0.076	0.376
σ		0.080	0.015	0.386	1.642	2.344	0.003	0.016	0.037
%RSD		29.280	3.723	2.067	1.739	1.962	43.150	21.110	9.862
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:47:53	0.354	1.523	1.547	0.246	-0.344	0.326	0.000	88.770
2	15:48:36	0.332	1.468	1.606	-0.118	-0.467	-0.349	0.000	91.190
3	15:49:19	0.338	1.606	1.633	0.053	-0.420	-0.309	0.000	92.120
X		0.341	1.532	1.595	0.060	-0.410	-0.111	0.000	90.690
σ		0.012	0.069	0.044	0.182	0.062	0.378	0.000	1.727
%RSD		3.392	4.517	2.738	302.700	15.110	342.200	0.000	1.904
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:47:53	70.903%	0.519	0.463	71.824%	-0.001	0.002	-0.057	-0.052
2	15:48:36	70.671%	0.415	0.486	70.190%	0.001	-0.001	-0.025	-0.003
3	15:49:19	69.869%	0.406	0.438	69.767%	0.001	0.002	-0.024	-0.011
X		70.481%	0.447	0.462	70.593%	0.001	0.001	-0.035	-0.022
σ		0.543%	0.063	0.024	1.086%	0.001	0.002	0.019	0.026
%RSD		0.770	14.170	5.241	1.539	240.100	207.900	52.720	119.300
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:47:53	72.011%	0.533	0.018	0.018	7.913	7.797	76.363%	76.934%
2	15:48:36	71.622%	0.557	0.014	0.025	8.247	7.704	76.394%	76.707%
3	15:49:19	71.596%	0.543	0.014	0.021	7.831	8.167	76.602%	76.370%
X		71.743%	0.544	0.016	0.021	7.997	7.890	76.453%	76.670%
σ		0.233%	0.012	0.003	0.004	0.220	0.245	0.130%	0.284%
%RSD		0.324	2.240	16.370	16.660	2.756	3.105	0.170	0.370
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	15:47:53	0.075	0.077	-0.021	-0.023	-0.026	78.675%		
2	15:48:36	0.074	0.073	-0.025	-0.021	-0.026	78.565%		
3	15:49:19	0.062	0.063	-0.034	-0.020	-0.029	78.141%		
X		0.070	0.071	-0.027	-0.021	-0.027	78.461%		
σ		0.007	0.007	0.007	0.001	0.002	0.282%		
%RSD		9.857	10.110	25.710	6.293	7.075	0.359		

240-21987-I-1-A PDS

4/1/2013 3:51:58 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	15:52:41	73.552%	48.190	1067.000	1102.000	0.000	83650.000	72850.000	71990.000
2	15:53:24	74.801%	47.220	1085.000	1116.000	0.000	83890.000	73090.000	71640.000
3	15:54:07	74.571%	47.300	1088.000	1125.000	0.000	83560.000	73400.000	72240.000
x		74.308%	47.570	1080.000	1115.000	0.000	83700.000	73120.000	71960.000
σ		0.665%	0.537	11.380	11.820	0.000	171.900	276.600	302.200
%RSD		0.895	1.130	1.054	1.060	0.000	0.205	0.378	0.420
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:52:41	1729.000	12260.000	0.000	48400.000	112100.000	114200.000	63.737%	926.900
2	15:53:24	1767.000	12010.000	0.000	48340.000	111200.000	114000.000	63.783%	933.500
3	15:54:07	1717.000	12130.000	0.000	48270.000	112700.000	114900.000	63.160%	938.100
x		1738.000	12140.000	0.000	48340.000	112000.000	114400.000	63.560%	932.800
σ		25.700	124.300	0.000	67.710	749.800	473.300	0.347%	5.650
%RSD		1.479	1.024	0.000	0.140	0.669	0.414	0.547	0.606
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:52:41	477.100	189.200	594.600	1453.000	1669.000	459.400	451.500	227.300
2	15:53:24	476.100	188.100	596.700	1448.000	1638.000	456.000	446.900	225.700
3	15:54:07	477.200	189.700	600.300	1456.000	1659.000	456.800	446.400	225.400
x		476.800	189.000	597.200	1452.000	1656.000	457.400	448.300	226.100
σ		0.627	0.815	2.884	3.935	15.910	1.807	2.808	1.011
%RSD		0.131	0.431	0.483	0.271	0.961	0.395	0.626	0.447
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:52:41	227.800	474.000	480.500	36.850	9.680	9.762	0.000	1320.000
2	15:53:24	226.900	477.500	477.200	36.710	10.090	9.824	0.000	1305.000
3	15:54:07	225.200	474.200	479.800	36.200	9.598	9.422	0.000	1305.000
x		226.600	475.200	479.200	36.590	9.791	9.669	0.000	1310.000
σ		1.313	1.969	1.729	0.345	0.266	0.217	0.000	8.410
%RSD		0.579	0.414	0.361	0.942	2.714	2.243	0.000	0.642
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:52:41	67.402%	923.500	940.900	63.586%	46.110	46.640	46.940	45.150
2	15:53:24	68.605%	927.300	945.200	64.253%	45.900	46.590	47.550	45.290
3	15:54:07	69.051%	931.000	947.000	64.467%	46.110	46.510	47.700	45.020
x		68.352%	927.300	944.300	64.102%	46.040	46.580	47.400	45.160
σ		0.853%	3.786	3.142	0.460%	0.120	0.067	0.404	0.135
%RSD		1.248	0.408	0.333	0.717	0.261	0.143	0.853	0.300
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:52:41	67.388%	1741.000	447.600	441.500	1827.000	1808.000	75.975%	76.536%
2	15:53:24	69.070%	1728.000	445.900	443.800	1827.000	1816.000	78.387%	78.611%
3	15:54:07	69.195%	1734.000	449.200	446.400	1821.000	1812.000	78.438%	79.373%
x		68.551%	1734.000	447.600	443.900	1825.000	1812.000	77.600%	78.173%
σ		1.009%	6.454	1.657	2.442	3.712	4.426	1.407%	1.468%
%RSD		1.473	0.372	0.370	0.550	0.203	0.244	1.814	1.878
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	15:52:41	45.060	45.180	17.400	18.670	18.000	69.511%		
2	15:53:24	45.420	45.610	17.620	19.060	18.300	71.186%		
3	15:54:07	45.510	45.560	17.700	19.150	18.310	71.787%		
x		45.330	45.450	17.570	18.960	18.210	70.828%		
σ		0.238	0.235	0.155	0.258	0.176	1.180%		
%RSD		0.526	0.518	0.881	1.359	0.969	1.666		

MB 180-67491/1-A

4/1/2013 4:01:36 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	16:02:19	76.669%	-0.016	9.584	9.703	0.000	12.760	9.468	9.382
2	16:03:02	77.024%	-0.002	8.461	8.461	0.000	13.680	9.427	10.030
3	16:03:45	77.654%	-0.016	7.804	7.867	0.000	12.950	8.989	8.527
X		77.116%	-0.012	8.617	8.677	0.000	13.130	9.295	9.312
σ		0.499%	0.008	0.900	0.937	0.000	0.484	0.265	0.752
%RSD		0.647	69.190	10.440	10.800	0.000	3.683	2.856	8.081
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:02:19	-0.176	3.777	0.000	-2.963	33.610	30.600	74.959%	0.637
2	16:03:02	-0.065	3.710	0.000	-3.597	28.800	29.160	75.864%	0.296
3	16:03:45	-0.059	3.687	0.000	-4.215	27.280	26.630	77.010%	0.163
X		-0.100	3.725	0.000	-3.592	29.900	28.800	75.944%	0.365
σ		0.066	0.047	0.000	0.626	3.305	2.008	1.028%	0.245
%RSD		66.270	1.254	0.000	17.430	11.060	6.971	1.354	67.030
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:02:19	0.130	-0.070	0.008	1.222	1.997	0.016	0.042	0.111
2	16:03:02	-0.104	-0.063	0.034	0.092	1.796	0.028	0.013	0.063
3	16:03:45	-0.021	-0.048	0.013	-0.996	1.279	0.014	0.026	0.071
X		0.002	-0.060	0.019	0.106	1.691	0.019	0.027	0.081
σ		0.118	0.011	0.014	1.109	0.370	0.008	0.015	0.026
%RSD		6090.000	18.840	73.340	1045.000	21.900	39.980	54.600	31.530
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:02:19	0.078	0.623	0.598	-0.108	-0.185	-0.217	0.000	0.115
2	16:03:02	0.075	0.577	0.556	-0.006	-0.347	0.011	0.000	0.116
3	16:03:45	0.071	0.463	0.556	0.004	-0.294	0.183	0.000	0.106
X		0.075	0.554	0.570	-0.037	-0.276	-0.008	0.000	0.112
σ		0.003	0.082	0.024	0.062	0.083	0.201	0.000	0.005
%RSD		4.635	14.850	4.216	168.400	29.950	2654.000	0.000	4.541
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:02:19	75.043%	1.526	1.597	79.443%	0.003	0.004	-0.049	-0.029
2	16:03:02	77.470%	1.124	1.101	80.451%	-0.002	-0.002	-0.061	-0.055
3	16:03:45	77.379%	0.785	0.868	80.726%	0.002	0.002	0.006	-0.010
X		76.631%	1.145	1.188	80.207%	0.001	0.001	-0.035	-0.031
σ		1.376%	0.371	0.372	0.675%	0.003	0.003	0.036	0.022
%RSD		1.795	32.410	31.330	0.842	356.000	302.100	102.900	71.640
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:02:19	75.604%	1.132	0.385	0.378	0.131	0.151	78.101%	78.331%
2	16:03:02	77.487%	1.128	0.386	0.402	0.160	0.210	80.866%	80.660%
3	16:03:45	78.813%	0.914	0.326	0.352	0.158	0.158	81.231%	81.838%
X		77.301%	1.058	0.366	0.377	0.149	0.173	80.066%	80.276%
σ		1.613%	0.125	0.034	0.025	0.016	0.032	1.712%	1.785%
%RSD		2.086	11.780	9.427	6.616	10.550	18.690	2.138	2.224
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	16:02:19	0.026	0.030	-0.024	-0.023	-0.022	83.444%		
2	16:03:02	0.026	0.029	-0.029	-0.020	-0.025	85.684%		
3	16:03:45	0.025	0.026	-0.026	-0.021	-0.026	86.021%		
X		0.026	0.028	-0.026	-0.021	-0.024	85.050%		
σ		0.001	0.002	0.002	0.002	0.002	1.401%		
%RSD		2.987	7.315	8.949	8.242	8.249	1.647		

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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	16:07:08	69.529%	48.380	894.600	868.600	0.000	46240.000	46280.000	46620.000
2	16:07:51	71.171%	48.690	885.300	879.700	0.000	46480.000	46770.000	46890.000
3	16:08:34	72.467%	48.200	891.100	887.700	0.000	46460.000	46770.000	46830.000
X		71.056%	48.420	890.300	878.700	0.000	46390.000	46610.000	46780.000
σ		1.473%	0.245	4.689	9.600	0.000	134.800	286.500	144.500
%RSD		2.073	0.507	0.527	1.093	0.000	0.290	0.615	0.309
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:07:08	1799.000	327.200	0.000	46270.000	46000.000	47550.000	69.961%	928.300
2	16:07:51	1803.000	327.800	0.000	46330.000	46230.000	46480.000	72.685%	933.700
3	16:08:34	1816.000	326.000	0.000	46030.000	46220.000	46470.000	75.056%	926.200
X		1806.000	327.000	0.000	46210.000	46150.000	46830.000	72.567%	929.400
σ		8.799	0.890	0.000	154.400	132.900	618.200	2.549%	3.889
%RSD		0.487	0.272	0.000	0.334	0.288	1.320	3.513	0.418
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:07:08	477.700	192.000	486.500	989.300	1118.000	481.400	490.000	247.200
2	16:07:51	479.100	191.700	489.500	978.500	1127.000	481.000	490.500	246.800
3	16:08:34	474.100	189.500	485.500	974.500	1097.000	475.300	484.100	244.000
X		477.000	191.100	487.100	980.800	1114.000	479.200	488.200	246.000
σ		2.620	1.377	2.085	7.647	15.010	3.391	3.562	1.781
%RSD		0.549	0.721	0.428	0.780	1.347	0.708	0.730	0.724
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:07:08	248.900	451.300	452.900	33.900	8.687	8.976	0.000	908.300
2	16:07:51	247.700	452.000	450.300	34.040	8.922	8.994	0.000	899.900
3	16:08:34	246.400	445.300	450.400	34.400	9.345	8.964	0.000	893.600
X		247.700	449.500	451.200	34.110	8.985	8.978	0.000	900.600
σ		1.250	3.679	1.476	0.258	0.333	0.015	0.000	7.366
%RSD		0.505	0.818	0.327	0.757	3.709	0.167	0.000	0.818
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:07:08	67.924%	977.900	971.300	67.909%	45.320	45.430	44.100	42.400
2	16:07:51	71.430%	975.600	978.000	70.884%	45.900	45.740	45.280	42.810
3	16:08:34	73.618%	978.100	974.100	72.834%	45.130	45.310	44.310	42.880
X		70.990%	977.200	974.500	70.542%	45.450	45.500	44.560	42.700
σ		2.872%	1.398	3.360	2.480%	0.402	0.221	0.631	0.262
%RSD		4.046	0.143	0.345	3.516	0.885	0.486	1.417	0.614
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:07:08	68.565%	1742.000	431.000	431.500	1811.000	1795.000	75.964%	76.463%
2	16:07:51	72.234%	1750.000	432.400	431.500	1804.000	1785.000	80.426%	80.913%
3	16:08:34	74.976%	1733.000	426.400	427.800	1788.000	1773.000	83.069%	82.913%
X		71.925%	1742.000	430.000	430.300	1801.000	1784.000	79.820%	80.096%
σ		3.217%	8.360	3.138	2.108	11.810	10.800	3.591%	3.302%
%RSD		4.472	0.480	0.730	0.490	0.656	0.605	4.499	4.122
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	16:07:08	43.110	43.510	16.740	18.380	17.600	70.860%		
2	16:07:51	44.310	44.450	17.070	18.820	17.860	73.222%		
3	16:08:34	44.050	44.170	17.100	18.820	17.880	75.157%		
X		43.820	44.040	16.970	18.670	17.780	73.079%		
σ		0.631	0.481	0.199	0.251	0.158	2.152%		
%RSD		1.439	1.092	1.171	1.343	0.890	2.945		

180-19617-C-1-A 4/1/2013 4:14:38 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	16:15:21	75.018%	2.321	35.890	36.630	0.000	5256.000	7395.000	7432.000
2	16:16:04	77.039%	2.219	35.880	34.900	0.000	5066.000	7180.000	7210.000
3	16:16:47	77.747%	2.173	35.260	34.760	0.000	5107.000	7227.000	7317.000
X		76.601%	2.237	35.680	35.430	0.000	5143.000	7267.000	7320.000
σ		1.416%	0.076	0.361	1.041	0.000	100.100	112.900	111.100
%RSD		1.849	3.377	1.013	2.938	0.000	1.947	1.554	1.518
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:15:21	16100.000	4229.000	0.000	3529.000	2995.000	3186.000	81.782%	604.300
2	16:16:04	15530.000	4054.000	0.000	3441.000	3000.000	3089.000	83.350%	585.800
3	16:16:47	15750.000	4111.000	0.000	3501.000	2977.000	3151.000	82.927%	595.300
X		15790.000	4131.000	0.000	3490.000	2991.000	3142.000	82.686%	595.100
σ		288.300	89.670	0.000	45.130	12.390	49.010	0.811%	9.233
%RSD		1.826	2.170	0.000	1.293	0.414	1.560	0.981	1.551
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:15:21	109.200	70.190	7206.000	75080.000	74710.000	58.570	79.050	25.560
2	16:16:04	106.300	68.170	7017.000	73030.000	72840.000	57.740	76.250	24.540
3	16:16:47	108.800	69.430	7094.000	74060.000	73680.000	58.270	79.120	25.140
X		108.100	69.260	7106.000	74060.000	73740.000	58.190	78.140	25.080
σ		1.550	1.017	94.830	1026.000	936.700	0.422	1.636	0.514
%RSD		1.434	1.468	1.335	1.385	1.270	0.725	2.093	2.049
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:15:21	25.420	739.900	748.900	60.770	0.863	1.333	0.000	82.210
2	16:16:04	24.920	725.100	731.000	59.870	0.877	2.070	0.000	80.640
3	16:16:47	25.600	743.800	748.800	61.900	1.049	1.500	0.000	82.960
X		25.310	736.300	742.900	60.850	0.930	1.634	0.000	81.940
σ		0.350	9.874	10.310	1.018	0.103	0.387	0.000	1.184
%RSD		1.383	1.341	1.388	1.673	11.110	23.660	0.000	1.446
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:15:21	0.000	3.317	3.272	81.491%	0.215	0.210	0.716	0.707
2	16:16:04	0.000	3.188	3.185	83.662%	0.210	0.198	0.727	0.695
3	16:16:47	0.000	3.183	3.168	82.891%	0.210	0.216	0.792	0.643
X		0.000	3.229	3.208	82.681%	0.211	0.208	0.745	0.681
σ		0.000	0.076	0.056	1.101%	0.003	0.009	0.041	0.034
%RSD		0.000	2.349	1.734	1.331	1.412	4.222	5.532	4.995
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:15:21	81.016%	9.324	1.385	1.351	277.000	273.000	86.722%	86.791%
2	16:16:04	84.594%	9.102	1.298	1.308	269.100	266.500	90.727%	90.599%
3	16:16:47	84.628%	8.911	1.331	1.260	276.500	272.500	90.584%	91.308%
X		83.412%	9.112	1.338	1.307	274.200	270.700	89.344%	89.566%
σ		2.076%	0.207	0.044	0.045	4.429	3.590	2.272%	2.429%
%RSD		2.488	2.268	3.281	3.478	1.615	1.326	2.543	2.712
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	16:15:21	0.233	0.229	113.900	112.700	112.600	85.009%		
2	16:16:04	0.245	0.240	114.400	113.600	113.400	86.163%		
3	16:16:47	0.259	0.237	118.500	116.900	117.000	84.968%		
X		0.246	0.235	115.600	114.400	114.300	85.380%		
σ		0.013	0.006	2.527	2.197	2.330	0.679%		
%RSD		5.235	2.392	2.186	1.921	2.038	0.795		

180-19617-C-1-A SD@5 4/1/2013 4:19:27 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	16:20:10	77.709%	0.411	11.730	11.530	0.000	1027.000	1476.000	1490.000
2	16:20:53	77.867%	0.479	11.700	11.680	0.000	1029.000	1474.000	1477.000
3	16:21:36	77.634%	0.452	11.220	11.300	0.000	1028.000	1481.000	1485.000
X		77.736%	0.447	11.550	11.500	0.000	1028.000	1477.000	1484.000
σ		0.119%	0.034	0.283	0.193	0.000	1.129	3.526	6.516
%RSD		0.153	7.634	2.451	1.677	0.000	0.110	0.239	0.439
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:20:10	3247.000	876.500	0.000	716.200	593.000	648.100	82.398%	122.000
2	16:20:53	3217.000	859.300	0.000	715.600	613.400	638.700	82.944%	116.500
3	16:21:36	3220.000	862.600	0.000	710.500	602.300	633.500	83.403%	121.400
X		3228.000	866.100	0.000	714.100	602.900	640.100	82.915%	120.000
σ		16.500	9.164	0.000	3.131	10.240	7.375	0.503%	3.041
%RSD		0.511	1.058	0.000	0.438	1.698	1.152	0.607	2.534
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:20:10	21.670	14.150	1444.000	15100.000	15190.000	11.640	15.850	4.970
2	16:20:53	21.500	13.960	1430.000	15030.000	15130.000	11.670	15.670	4.989
3	16:21:36	21.510	14.090	1424.000	14930.000	15060.000	11.630	15.530	5.038
X		21.560	14.070	1433.000	15020.000	15130.000	11.640	15.680	4.999
σ		0.094	0.100	10.310	82.230	68.570	0.022	0.161	0.035
%RSD		0.436	0.712	0.720	0.547	0.453	0.185	1.029	0.699
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:20:10	5.153	154.400	155.100	12.600	-0.050	0.455	0.000	15.350
2	16:20:53	5.140	153.300	152.800	12.350	0.144	0.329	0.000	15.400
3	16:21:36	5.055	155.200	155.500	12.150	0.134	0.412	0.000	15.300
X		5.116	154.300	154.500	12.370	0.076	0.398	0.000	15.350
σ		0.053	0.924	1.495	0.223	0.110	0.064	0.000	0.052
%RSD		1.039	0.599	0.968	1.803	144.300	16.050	0.000	0.340
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:20:10	88.033%	0.452	0.450	85.420%	0.035	0.048	0.116	0.135
2	16:20:53	89.328%	0.451	0.490	85.857%	0.028	0.051	0.135	0.139
3	16:21:36	90.088%	0.474	0.490	85.934%	0.038	0.036	0.127	0.144
X		89.150%	0.459	0.477	85.737%	0.033	0.045	0.126	0.139
σ		1.039%	0.013	0.023	0.277%	0.005	0.008	0.009	0.004
%RSD		1.166	2.797	4.814	0.324	16.090	17.290	7.427	3.131
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:20:10	82.532%	2.227	0.294	0.290	56.990	56.150	85.300%	85.235%
2	16:20:53	84.466%	2.067	0.322	0.311	55.050	55.290	87.830%	87.658%
3	16:21:36	85.396%	1.970	0.304	0.275	55.920	54.810	88.553%	88.268%
X		84.131%	2.088	0.307	0.292	55.990	55.420	87.227%	87.053%
σ		1.461%	0.130	0.014	0.018	0.969	0.678	1.708%	1.604%
%RSD		1.737	6.219	4.576	6.164	1.730	1.224	1.958	1.843
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	16:20:10	0.060	0.058	22.610	22.340	22.350	86.833%		
2	16:20:53	0.050	0.056	23.030	22.620	22.540	88.470%		
3	16:21:36	0.049	0.053	23.070	22.810	22.650	88.458%		
X		0.053	0.056	22.900	22.590	22.510	87.920%		
σ		0.006	0.002	0.252	0.236	0.154	0.942%		
%RSD		11.320	3.713	1.099	1.045	0.686	1.071		

CCV 781130 4/1/2013 4:24:15 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	16:24:58	77.164%	104.100	94.390	94.930	0.000	47220.000	47990.000	48010.000
2	16:25:41	79.545%	102.200	94.740	94.020	0.000	46850.000	47520.000	47720.000
3	16:26:24	76.527%	107.500	99.800	101.100	0.000	49820.000	50200.000	50500.000
x		77.745%	104.576%	96.311%	96.673%	0.000	95.931%	97.133%	97.490%
σ		1.591%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		2.046	2.568	3.141	3.965	0.000	3.366	2.944	3.136
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:24:58	477.600	4865.000	0.000	47830.000	46280.000	47590.000	80.891%	95.340
2	16:25:41	480.100	4837.000	0.000	47590.000	46520.000	47570.000	81.624%	95.770
3	16:26:24	507.000	5096.000	0.000	50140.000	49070.000	50310.000	79.635%	100.300
x		97.649%	98.658%	0.000	97.049%	94.578%	96.973%	80.716%	97.124%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.006%	n/a
%RSD		3.343	2.881	0.000	2.902	3.274	3.250	1.246	2.813
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:24:58	94.980	96.060	489.200	24550.000	25120.000	97.090	100.000	100.100
2	16:25:41	95.110	96.340	493.200	24600.000	25300.000	97.950	99.240	99.650
3	16:26:24	99.970	101.700	522.500	26070.000	26790.000	101.900	103.200	105.200
x		96.685%	98.022%	100.320%	100.288%	102.956%	98.976%	100.821%	101.660%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		2.942	3.222	3.626	3.445	3.560	2.579	2.068	3.022
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:24:58	99.920	104.500	104.500	97.790	98.470	98.550	0.000	94.100
2	16:25:41	101.200	105.000	104.600	97.290	99.300	99.160	0.000	94.210
3	16:26:24	104.900	111.600	110.700	104.200	104.200	104.800	0.000	98.940
x		101.988%	107.013%	106.620%	99.758%	100.649%	100.835%	0.000	95.753%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		2.525	3.735	3.325	3.856	3.062	3.412	0.000	2.885
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:24:58	80.236%	94.080	94.820	78.571%	95.300	96.890	97.790	98.900
2	16:25:41	82.081%	97.310	97.740	79.080%	96.190	97.120	97.450	98.130
3	16:26:24	80.503%	103.400	104.400	77.489%	100.700	101.600	102.300	103.200
x		80.940%	98.265%	98.995%	78.380%	97.405%	98.528%	99.180%	100.089%
σ		0.997%	n/a	n/a	0.813%	n/a	n/a	n/a	n/a
%RSD		1.232	4.819	4.979	1.037	2.985	2.683	2.733	2.747
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:24:58	76.886%	96.650	97.220	95.950	97.180	96.930	80.339%	83.008%
2	16:25:41	78.717%	97.450	96.270	96.690	96.810	97.090	83.505%	85.627%
3	16:26:24	77.401%	102.600	102.100	101.500	101.900	101.600	81.878%	84.281%
x		77.668%	98.907%	98.515%	98.034%	98.628%	98.534%	81.907%	84.305%
σ		0.944%	n/a	n/a	n/a	n/a	n/a	1.583%	1.310%
%RSD		1.216	3.274	3.153	3.056	2.878	2.679	1.933	1.554
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	16:24:58	93.160	93.040	93.950	93.440	93.310	75.560%		
2	16:25:41	94.010	94.380	95.120	94.460	94.740	77.042%		
3	16:26:24	101.300	101.500	102.000	101.900	102.000	73.706%		
x		96.149%	96.314%	97.024%	96.614%	96.691%	75.436%		
σ		n/a	n/a	n/a	n/a	n/a	1.671%		
%RSD		4.641	4.734	4.483	4.801	4.834	2.215		

CCB2 4/1/2013 4:29:05 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	16:29:48	101.921%	-0.013	3.495	3.521	0.000	20.440	3.988	3.743
2	16:30:31	102.680%	-0.013	3.121	3.100	0.000	15.240	3.290	3.399
3	16:31:14	105.155%	0.008	2.590	2.863	0.000	11.570	3.575	3.445
X		103.252%	-0.006	3.069	3.162	0.000	15.750	3.618	3.529
σ		1.691%	0.012	0.455	0.333	0.000	4.457	0.351	0.187
%RSD		1.638	198.400	14.820	10.540	0.000	28.290	9.704	5.291
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:29:48	2.169	-1.726	0.000	4.932	2.507	6.148	93.154%	0.059
2	16:30:31	2.417	-1.881	0.000	1.275	6.988	4.773	92.841%	-0.009
3	16:31:14	2.211	-2.358	0.000	-2.978	9.553	5.580	93.721%	0.029
X		2.266	-1.988	0.000	1.076	6.349	5.500	93.239%	0.026
σ		0.132	0.329	0.000	3.959	3.566	0.691	0.446%	0.034
%RSD		5.844	16.570	0.000	367.900	56.170	12.560	0.478	129.400
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:29:48	0.060	0.095	0.110	-0.716	5.741	0.002	0.055	0.785
2	16:30:31	-0.159	0.126	0.120	-2.432	4.137	0.002	0.049	0.574
3	16:31:14	0.016	0.103	0.120	-3.828	4.719	-0.004	0.069	0.463
X		-0.028	0.108	0.117	-2.325	4.866	0.000	0.058	0.607
σ		0.116	0.016	0.006	1.559	0.812	0.003	0.010	0.163
%RSD		421.800	14.770	4.780	67.040	16.690	8884.000	17.430	26.910
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:29:48	0.148	0.483	0.436	-0.055	0.466	0.022	0.000	0.025
2	16:30:31	0.130	0.492	0.521	-0.012	0.308	-0.073	0.000	0.024
3	16:31:14	0.181	0.566	0.571	-0.114	0.161	0.120	0.000	0.018
X		0.153	0.514	0.509	-0.060	0.312	0.023	0.000	0.023
σ		0.026	0.046	0.068	0.051	0.153	0.097	0.000	0.004
%RSD		17.110	8.933	13.370	84.420	49.010	428.000	0.000	16.280
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:29:48	81.721%	0.611	0.586	84.586%	0.005	0.013	-0.038	-0.031
2	16:30:31	82.228%	0.443	0.440	84.036%	0.014	0.017	-0.069	-0.050
3	16:31:14	83.046%	0.236	0.285	84.556%	0.007	0.012	-0.054	-0.046
X		82.331%	0.430	0.437	84.393%	0.009	0.014	-0.054	-0.042
σ		0.669%	0.188	0.150	0.309%	0.005	0.003	0.016	0.010
%RSD		0.812	43.710	34.420	0.367	56.400	19.590	29.470	23.740
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:29:48	84.349%	0.684	0.067	0.070	0.092	0.088	87.788%	87.625%
2	16:30:31	85.356%	0.579	0.066	0.062	0.038	0.065	89.495%	89.238%
3	16:31:14	86.664%	0.555	0.045	0.076	0.071	0.053	90.362%	91.250%
X		85.456%	0.606	0.059	0.069	0.067	0.069	89.215%	89.371%
σ		1.161%	0.069	0.012	0.007	0.027	0.017	1.310%	1.816%
%RSD		1.358	11.350	20.500	9.772	40.350	25.260	1.468	2.033
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	16:29:48	0.010	0.009	0.091	0.098	0.094	89.812%		
2	16:30:31	0.014	0.006	0.084	0.081	0.085	91.381%		
3	16:31:14	0.010	0.006	0.099	0.090	0.084	92.441%		
X		0.011	0.007	0.091	0.090	0.088	91.211%		
σ		0.002	0.002	0.008	0.008	0.006	1.323%		
%RSD		18.320	21.220	8.275	9.115	6.388	1.450		

180-19617-C-1-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	16:34:39	70.129%	47.360	855.500	835.800	0.000	49840.000	53640.000	53780.000
2	16:35:22	69.772%	48.000	880.100	876.400	0.000	51730.000	55820.000	55950.000
3	16:36:05	72.483%	46.780	856.300	849.900	0.000	50020.000	53860.000	53870.000
X		70.795%	47.380	864.000	854.000	0.000	50530.000	54440.000	54530.000
σ		1.473%	0.614	13.980	20.620	0.000	1039.000	1198.000	1223.000
%RSD		2.080	1.296	1.618	2.414	0.000	2.056	2.201	2.242
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:34:39	30960.000	5624.000	0.000	49600.000	46940.000	47980.000	77.605%	1679.000
2	16:35:22	32140.000	5807.000	0.000	51910.000	49400.000	49920.000	77.521%	1750.000
3	16:36:05	30970.000	5656.000	0.000	50040.000	47360.000	48080.000	80.138%	1696.000
X		31360.000	5696.000	0.000	50520.000	47900.000	48660.000	78.421%	1708.000
σ		677.500	97.550	0.000	1224.000	1321.000	1091.000	1.487%	37.460
%RSD		2.160	1.713	0.000	2.424	2.757	2.243	1.897	2.193
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:34:39	580.800	271.700	8460.000	89580.000	89740.000	514.400	548.000	256.900
2	16:35:22	602.400	281.600	8741.000	92600.000	92320.000	531.400	569.900	266.600
3	16:36:05	582.600	272.600	8454.000	89810.000	89960.000	518.000	551.200	258.500
X		588.600	275.300	8552.000	90670.000	90670.000	521.300	556.400	260.700
σ		12.020	5.515	163.800	1680.000	1435.000	8.951	11.830	5.226
%RSD		2.042	2.003	1.915	1.853	1.582	1.717	2.126	2.005
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:34:39	259.900	1180.000	1182.000	100.700	9.175	9.825	0.000	968.700
2	16:35:22	270.500	1236.000	1243.000	104.600	9.415	10.380	0.000	1015.000
3	16:36:05	261.500	1199.000	1209.000	101.300	9.941	10.100	0.000	978.900
X		264.000	1205.000	1211.000	102.200	9.510	10.100	0.000	987.700
σ		5.690	28.460	30.280	2.108	0.392	0.279	0.000	24.600
%RSD		2.156	2.361	2.499	2.063	4.118	2.765	0.000	2.491
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:34:39	0.000	906.600	907.000	73.333%	42.800	43.160	43.120	41.550
2	16:35:22	0.000	956.400	959.400	73.110%	44.810	45.110	45.100	43.380
3	16:36:05	0.000	926.400	925.800	75.378%	43.310	43.770	43.700	41.800
X		0.000	929.800	930.700	73.940%	43.640	44.010	43.980	42.240
σ		0.000	25.080	26.560	1.250%	1.044	0.997	1.020	0.993
%RSD		0.000	2.698	2.853	1.691	2.392	2.265	2.320	2.352
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:34:39	75.987%	1502.000	327.800	326.600	2042.000	2017.000	83.178%	82.995%
2	16:35:22	77.045%	1554.000	343.300	344.100	2134.000	2103.000	84.440%	85.308%
3	16:36:05	79.197%	1512.000	329.400	330.600	2059.000	2037.000	87.242%	87.341%
X		77.410%	1523.000	333.500	333.800	2078.000	2052.000	84.953%	85.215%
σ		1.636%	28.030	8.536	9.147	48.850	45.020	2.080%	2.174%
%RSD		2.113	1.841	2.560	2.740	2.351	2.193	2.449	2.552
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	16:34:39	42.780	43.210	178.600	178.700	178.000	73.752%		
2	16:35:22	45.760	45.900	190.800	191.400	190.400	73.544%		
3	16:36:05	44.690	45.080	186.100	186.000	185.500	75.102%		
X		44.410	44.730	185.200	185.400	184.600	74.133%		
σ		1.510	1.377	6.115	6.365	6.240	0.846%		
%RSD		3.400	3.078	3.302	3.434	3.380	1.141		

180-19617-C-1-C MSD

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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	16:39:27	71.621%	47.890	862.100	856.200	0.000	49860.000	53180.000	53330.000
2	16:40:10	72.492%	46.410	860.300	856.700	0.000	49680.000	53010.000	53340.000
3	16:40:52	72.559%	46.420	870.100	866.000	0.000	50130.000	53610.000	53800.000
X		72.224%	46.910	864.100	859.600	0.000	49890.000	53270.000	53490.000
σ		0.523%	0.851	5.190	5.545	0.000	226.100	310.800	266.100
%RSD		0.724	1.814	0.601	0.645	0.000	0.453	0.584	0.498
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:39:27	28930.000	4177.000	0.000	50260.000	47540.000	48340.000	80.087%	1564.000
2	16:40:10	28780.000	4111.000	0.000	50200.000	47720.000	48000.000	81.030%	1566.000
3	16:40:52	29050.000	4137.000	0.000	50430.000	46910.000	48290.000	81.185%	1571.000
X		28920.000	4142.000	0.000	50300.000	47390.000	48210.000	80.767%	1567.000
σ		136.500	33.610	0.000	122.100	430.100	179.800	0.595%	3.588
%RSD		0.472	0.812	0.000	0.243	0.908	0.373	0.736	0.229
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:39:27	568.700	264.800	7699.000	80640.000	80660.000	504.200	534.400	253.400
2	16:40:10	572.400	264.400	7770.000	80880.000	80880.000	506.600	536.000	255.400
3	16:40:52	569.700	264.500	7810.000	81140.000	81220.000	509.400	532.700	254.600
X		570.300	264.600	7759.000	80890.000	80920.000	506.800	534.400	254.500
σ		1.964	0.220	56.340	249.900	282.500	2.602	1.653	1.050
%RSD		0.344	0.083	0.726	0.309	0.349	0.513	0.309	0.412
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:39:27	257.900	1080.000	1086.000	92.770	9.635	9.560	0.000	963.000
2	16:40:10	254.600	1094.000	1098.000	93.310	10.670	10.160	0.000	973.700
3	16:40:52	259.400	1096.000	1105.000	93.170	11.400	9.625	0.000	977.400
X		257.300	1090.000	1096.000	93.080	10.570	9.780	0.000	971.300
σ		2.452	8.530	9.847	0.281	0.888	0.327	0.000	7.492
%RSD		0.953	0.782	0.898	0.302	8.400	3.340	0.000	0.771
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:39:27	0.000	911.600	911.500	75.930%	43.030	43.370	42.730	41.710
2	16:40:10	0.000	924.300	927.100	76.562%	43.760	43.730	44.980	42.060
3	16:40:52	0.000	927.700	926.900	77.634%	43.360	43.590	43.430	41.640
X		0.000	921.200	921.800	76.708%	43.380	43.560	43.710	41.800
σ		0.000	8.506	8.936	0.862%	0.365	0.180	1.150	0.225
%RSD		0.000	0.923	0.969	1.123	0.841	0.413	2.630	0.538
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:39:27	78.393%	1520.000	331.500	329.500	2017.000	2000.000	85.146%	85.574%
2	16:40:10	80.261%	1521.000	335.100	334.100	2045.000	2026.000	88.197%	88.624%
3	16:40:52	81.661%	1528.000	335.200	336.500	2052.000	2020.000	89.236%	90.229%
X		80.105%	1523.000	333.900	333.400	2038.000	2015.000	87.526%	88.142%
σ		1.639%	4.336	2.089	3.539	18.780	13.200	2.126%	2.365%
%RSD		2.047	0.285	0.626	1.062	0.921	0.655	2.429	2.683
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	16:39:27	43.420	43.400	133.500	134.600	133.900	75.794%		
2	16:40:10	44.280	44.520	137.500	137.500	137.000	77.396%		
3	16:40:52	44.380	44.560	137.400	137.500	136.600	78.441%		
X		44.030	44.160	136.100	136.500	135.800	77.211%		
σ		0.526	0.659	2.297	1.649	1.692	1.333%		
%RSD		1.196	1.492	1.688	1.208	1.246	1.727		

180-19617-C-1-A PDS

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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	16:44:13	72.873%	56.230	1014.000	997.000	0.000	52110.000	54720.000	55150.000
2	16:44:56	74.488%	52.520	971.300	971.100	0.000	50280.000	52400.000	52680.000
3	16:45:39	74.000%	54.610	1021.000	1016.000	0.000	52500.000	54550.000	54770.000
X		73.787%	54.450	1002.000	994.700	0.000	51630.000	53890.000	54200.000
σ		0.828%	1.863	26.900	22.470	0.000	1185.000	1294.000	1331.000
%RSD		1.123	3.421	2.684	2.259	0.000	2.294	2.401	2.456
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:44:13	17580.000	13990.000	0.000	50560.000	48560.000	50470.000	81.690%	1534.000
2	16:44:56	16750.000	13270.000	0.000	48660.000	47570.000	48270.000	83.378%	1487.000
3	16:45:39	17490.000	13770.000	0.000	50380.000	49970.000	50230.000	82.621%	1538.000
X		17270.000	13670.000	0.000	49870.000	48700.000	49660.000	82.563%	1519.000
σ		456.600	369.400	0.000	1044.000	1208.000	1210.000	0.845%	28.520
%RSD		2.643	2.701	0.000	2.094	2.480	2.437	1.024	1.877
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:44:13	622.800	273.400	7324.000	72130.000	72140.000	569.600	596.500	286.000
2	16:44:56	600.600	263.700	7141.000	70070.000	70000.000	553.400	579.300	276.000
3	16:45:39	622.200	273.200	7357.000	72190.000	72270.000	570.800	593.600	287.900
X		615.200	270.100	7274.000	71460.000	71470.000	564.600	589.800	283.300
σ		12.660	5.525	116.300	1205.000	1274.000	9.700	9.182	6.365
%RSD		2.058	2.045	1.600	1.687	1.783	1.718	1.557	2.247
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:44:13	290.300	1189.000	1201.000	98.330	12.560	11.830	0.000	1085.000
2	16:44:56	278.800	1158.000	1164.000	95.270	12.640	11.820	0.000	1052.000
3	16:45:39	291.800	1201.000	1209.000	99.670	13.490	11.890	0.000	1092.000
X		286.900	1183.000	1191.000	97.760	12.900	11.840	0.000	1076.000
σ		7.104	22.240	24.100	2.258	0.517	0.037	0.000	20.910
%RSD		2.476	1.881	2.023	2.310	4.012	0.309	0.000	1.943
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:44:13	0.000	1015.000	1016.000	78.136%	50.790	51.490	50.220	47.340
2	16:44:56	0.000	994.100	996.900	79.831%	49.560	49.870	49.350	47.270
3	16:45:39	0.000	1031.000	1029.000	79.076%	51.370	51.540	50.990	48.670
X		0.000	1013.000	1014.000	79.015%	50.570	50.970	50.180	47.760
σ		0.000	18.680	16.240	0.849%	0.923	0.946	0.821	0.790
%RSD		0.000	1.843	1.601	1.075	1.825	1.857	1.635	1.655
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:44:13	80.287%	1873.000	450.400	447.300	2275.000	2257.000	86.186%	87.031%
2	16:44:56	83.481%	1789.000	443.400	441.100	2200.000	2186.000	89.839%	90.453%
3	16:45:39	82.657%	1863.000	462.200	462.900	2275.000	2258.000	88.858%	89.306%
X		82.142%	1842.000	452.000	450.500	2250.000	2234.000	88.294%	88.930%
σ		1.658%	45.920	9.516	11.270	43.600	41.030	1.891%	1.742%
%RSD		2.019	2.493	2.105	2.501	1.938	1.837	2.141	1.959
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	16:44:13	49.140	49.400	135.100	135.100	134.200	78.133%		
2	16:44:56	48.230	48.630	132.400	132.200	132.000	80.513%		
3	16:45:39	50.070	49.830	136.100	136.600	136.000	80.074%		
X		49.150	49.290	134.500	134.700	134.100	79.573%		
σ		0.921	0.610	1.951	2.233	2.043	1.267%		
%RSD		1.874	1.237	1.450	1.658	1.524	1.592		

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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	16:53:50	96.170%	0.010	10.740	11.270	0.000	5.566	4.619	4.988
2	16:54:33	96.228%	-0.007	10.980	10.410	0.000	5.793	4.499	4.785
3	16:55:16	96.379%	0.004	10.320	9.807	0.000	7.017	6.196	5.654
X		96.259%	0.003	10.680	10.490	0.000	6.125	5.105	5.142
σ		0.108%	0.009	0.330	0.734	0.000	0.780	0.947	0.455
%RSD		0.113	320.600	3.088	6.990	0.000	12.740	18.560	8.841
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:53:50	0.264	2.051	0.000	3.975	19.520	20.850	101.275%	0.649
2	16:54:33	0.292	1.437	0.000	4.563	13.590	16.460	102.262%	0.491
3	16:55:16	0.872	1.747	0.000	5.304	18.030	17.820	100.375%	0.258
X		0.476	1.745	0.000	4.614	17.050	18.380	101.304%	0.466
σ		0.343	0.307	0.000	0.666	3.082	2.244	0.944%	0.197
%RSD		72.140	17.590	0.000	14.430	18.080	12.210	0.932	42.160
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:53:50	0.007	-0.036	0.024	-0.158	3.143	-0.000	-0.017	0.121
2	16:54:33	-0.018	-0.059	0.058	-1.388	3.251	0.002	-0.012	0.081
3	16:55:16	-0.005	-0.045	0.222	1.032	4.163	0.016	0.032	0.084
X		-0.005	-0.046	0.101	-0.172	3.519	0.006	0.001	0.095
σ		0.012	0.011	0.106	1.210	0.560	0.009	0.027	0.022
%RSD		236.500	24.650	104.500	705.000	15.920	148.100	2114.000	23.170
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:53:50	0.082	0.612	0.751	0.091	-0.161	0.097	0.000	0.058
2	16:54:33	0.091	0.633	0.621	-0.042	-0.195	-0.400	0.000	0.053
3	16:55:16	0.082	0.633	0.722	-0.045	-0.166	-0.418	0.000	0.090
X		0.085	0.626	0.698	0.001	-0.174	-0.240	0.000	0.067
σ		0.005	0.012	0.068	0.078	0.018	0.292	0.000	0.020
%RSD		6.161	1.993	9.796	5851.000	10.390	121.500	0.000	29.800
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:53:50	94.381%	1.893	1.766	99.969%	-0.003	0.002	-0.021	-0.007
2	16:54:33	96.133%	1.424	1.350	100.987%	-0.003	-0.001	0.017	0.019
3	16:55:16	94.510%	1.235	1.159	99.515%	-0.003	0.001	-0.029	-0.030
X		95.008%	1.517	1.425	100.157%	-0.003	0.001	-0.011	-0.006
σ		0.976%	0.339	0.310	0.754%	0.000	0.001	0.024	0.025
%RSD		1.027	22.350	21.770	0.753	1.858	257.600	218.700	395.000
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:53:50	92.842%	2.614	0.986	1.002	0.049	0.088	91.428%	91.520%
2	16:54:33	94.820%	2.693	0.961	0.975	0.088	0.090	94.069%	93.608%
3	16:55:16	94.169%	2.492	0.908	0.957	0.121	0.103	92.616%	92.391%
X		93.944%	2.600	0.952	0.978	0.086	0.094	92.705%	92.506%
σ		1.008%	0.101	0.040	0.023	0.036	0.008	1.323%	1.049%
%RSD		1.073	3.885	4.181	2.346	41.770	9.041	1.427	1.134
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	16:53:50	0.004	0.003	-0.032	-0.029	-0.033	101.749%		
2	16:54:33	0.005	0.003	-0.032	-0.029	-0.034	102.764%		
3	16:55:16	0.003	0.005	-0.034	-0.029	-0.032	99.880%		
X		0.004	0.004	-0.033	-0.029	-0.033	101.464%		
σ		0.001	0.001	0.001	0.000	0.001	1.463%		
%RSD		20.230	25.890	3.996	1.263	2.802	1.442		

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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	16:58:37	73.580%	47.460	885.200	874.600	0.000	48520.000	48590.000	49090.000
2	16:59:20	75.275%	45.600	861.100	858.000	0.000	47240.000	47370.000	47670.000
3	17:00:03	75.863%	46.970	886.400	882.000	0.000	48800.000	49000.000	49380.000
X		74.906%	46.680	877.600	871.500	0.000	48180.000	48320.000	48710.000
σ		1.185%	0.962	14.280	12.270	0.000	832.800	849.400	912.400
%RSD		1.582	2.060	1.627	1.408	0.000	1.728	1.758	1.873
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:58:37	1947.000	3160.000	0.000	48880.000	47970.000	49270.000	78.217%	968.600
2	16:59:20	1887.000	3067.000	0.000	47520.000	47100.000	47570.000	82.241%	934.600
3	17:00:03	1947.000	3173.000	0.000	48860.000	48610.000	48960.000	82.784%	954.400
X		1927.000	3133.000	0.000	48420.000	47890.000	48600.000	81.081%	952.500
σ		34.810	57.820	0.000	782.700	761.900	907.200	2.495%	17.110
%RSD		1.807	1.845	0.000	1.616	1.591	1.867	3.077	1.797
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:58:37	500.000	199.400	504.200	1079.000	1188.000	503.100	507.800	254.800
2	16:59:20	479.700	192.700	489.700	1030.000	1142.000	484.600	487.300	244.900
3	17:00:03	493.700	197.100	505.200	1061.000	1175.000	495.200	499.800	253.200
X		491.100	196.400	499.700	1057.000	1168.000	494.300	498.300	251.000
σ		10.370	3.428	8.714	24.570	23.760	9.288	10.350	5.333
%RSD		2.111	1.745	1.744	2.325	2.034	1.879	2.077	2.125
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:58:37	260.400	439.600	440.600	34.080	8.891	9.145	0.000	982.400
2	16:59:20	247.400	425.300	427.300	33.320	8.450	8.815	0.000	931.200
3	17:00:03	254.500	436.700	437.700	33.660	9.146	8.932	0.000	957.800
X		254.100	433.900	435.200	33.690	8.829	8.964	0.000	957.100
σ		6.527	7.600	7.022	0.383	0.352	0.167	0.000	25.570
%RSD		2.569	1.752	1.613	1.136	3.986	1.865	0.000	2.671
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:58:37	73.571%	1012.000	986.200	78.858%	44.550	45.550	43.830	41.130
2	16:59:20	78.557%	966.600	955.700	82.249%	43.350	43.830	42.960	39.760
3	17:00:03	79.669%	1001.000	989.800	83.180%	44.700	45.130	43.700	40.300
X		77.266%	993.100	977.200	81.429%	44.200	44.840	43.490	40.390
σ		3.248%	23.550	18.710	2.275%	0.738	0.897	0.468	0.688
%RSD		4.203	2.372	1.914	2.794	1.671	2.000	1.076	1.704
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:58:37	76.145%	1852.000	429.600	426.600	1890.000	1864.000	81.605%	82.274%
2	16:59:20	81.085%	1766.000	414.300	413.800	1822.000	1796.000	87.769%	88.348%
3	17:00:03	82.564%	1825.000	429.600	430.600	1874.000	1857.000	89.393%	89.838%
X		79.931%	1814.000	424.500	423.700	1862.000	1839.000	86.255%	86.820%
σ		3.361%	44.140	8.863	8.783	35.370	37.570	4.109%	4.007%
%RSD		4.205	2.433	2.088	2.073	1.899	2.043	4.763	4.615
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	16:58:37	44.290	44.460	17.400	18.760	17.910	75.354%		
2	16:59:20	43.210	43.470	16.840	18.130	17.410	80.103%		
3	17:00:03	44.650	44.740	17.350	18.700	17.900	81.399%		
X		44.050	44.220	17.200	18.530	17.740	78.952%		
σ		0.746	0.670	0.309	0.348	0.287	3.183%		
%RSD		1.693	1.515	1.798	1.877	1.617	4.031		

180-19613-C-11-E 4/1/2013 5:06:05 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	17:06:48	71.728%	6.379	216.900	218.000	0.000	94960.000	69340.000	69540.000
2	17:07:31	70.471%	6.183	231.500	227.000	0.000	98000.000	72250.000	71800.000
3	17:08:14	71.882%	6.359	227.100	224.300	0.000	96470.000	70960.000	70650.000
X		71.360%	6.307	225.200	223.100	0.000	96480.000	70850.000	70660.000
σ		0.774%	0.107	7.491	4.620	0.000	1519.000	1457.000	1128.000
%RSD		1.085	1.703	3.326	2.071	0.000	1.574	2.057	1.596
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:06:48	109600.000	4990.000	0.000	22980.000	60350.000	61750.000	93.015%	2334.000
2	17:07:31	112800.000	5075.000	0.000	23690.000	62220.000	63580.000	93.759%	2381.000
3	17:08:14	110600.000	5014.000	0.000	23420.000	61160.000	62630.000	94.761%	2353.000
X		111000.000	5026.000	0.000	23360.000	61240.000	62650.000	93.845%	2356.000
σ		1681.000	43.540	0.000	359.100	936.300	911.700	0.876%	23.700
%RSD		1.515	0.866	0.000	1.537	1.529	1.455	0.934	1.006
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:06:48	262.300	482.700	6637.000	243900.000	249600.000	89.370	249.100	698.000
2	17:07:31	271.800	498.300	6783.000	249900.000	255100.000	92.520	255.200	716.900
3	17:08:14	266.700	490.600	6679.000	245100.000	250000.000	90.660	250.200	703.200
X		266.900	490.500	6700.000	246300.000	251600.000	90.850	251.500	706.000
σ		4.785	7.782	74.930	3160.000	3079.000	1.587	3.278	9.749
%RSD		1.792	1.586	1.118	1.283	1.224	1.746	1.303	1.381
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:06:48	703.600	1320.000	1334.000	83.290	6.515	10.510	0.000	439.400
2	17:07:31	723.900	1349.000	1372.000	85.630	7.001	9.806	0.000	457.600
3	17:08:14	710.200	1337.000	1354.000	84.630	6.624	10.050	0.000	447.400
X		712.500	1335.000	1353.000	84.520	6.714	10.120	0.000	448.100
σ		10.350	14.700	19.060	1.175	0.255	0.357	0.000	9.107
%RSD		1.453	1.101	1.409	1.391	3.796	3.522	0.000	2.032
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:06:48	0.000	8.969	8.860	82.938%	19.680	19.590	5.934	5.541
2	17:07:31	0.000	9.055	9.333	83.694%	20.190	20.120	6.315	5.895
3	17:08:14	0.000	8.929	9.062	85.370%	19.610	19.770	5.987	5.662
X		0.000	8.984	9.085	84.000%	19.830	19.830	6.079	5.699
σ		0.000	0.065	0.237	1.245%	0.321	0.272	0.206	0.180
%RSD		0.000	0.719	2.614	1.482	1.621	1.374	3.396	3.158
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:06:48	86.317%	50.200	0.915	0.903	443.900	438.800	97.524%	97.592%
2	17:07:31	88.662%	51.300	0.931	0.940	454.600	450.100	102.093%	100.821%
3	17:08:14	90.930%	49.000	0.887	0.836	441.900	436.700	104.746%	103.131%
X		88.636%	50.170	0.911	0.893	446.800	441.900	101.454%	100.515%
σ		2.307%	1.149	0.022	0.053	6.798	7.202	3.653%	2.782%
%RSD		2.602	2.290	2.433	5.898	1.521	1.630	3.600	2.768
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	17:06:48	1.376	1.356	761.800	751.400	758.800	80.469%		
2	17:07:31	1.448	1.430	792.900	781.500	787.400	81.450%		
3	17:08:14	1.384	1.421	791.800	782.000	786.200	81.970%		
X		1.403	1.402	782.200	771.600	777.500	81.296%		
σ		0.039	0.040	17.620	17.510	16.200	0.762%		
%RSD		2.800	2.882	2.253	2.270	2.084	0.937		

180-19613-C-11-E SD@5

4/1/2013 5:10:53 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	17:11:36	78.085%	1.325	53.850	53.730	0.000	18850.000	14240.000	14260.000
2	17:12:19	79.605%	1.334	51.600	53.680	0.000	18840.000	14110.000	14210.000
3	17:13:02	79.997%	1.361	52.600	52.730	0.000	18810.000	14110.000	14180.000
X		79.229%	1.340	52.690	53.380	0.000	18830.000	14150.000	14220.000
σ		1.010%	0.019	1.123	0.566	0.000	24.090	78.710	43.940
%RSD		1.275	1.405	2.131	1.061	0.000	0.128	0.556	0.309
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:11:36	22430.000	1033.000	0.000	4817.000	12430.000	12890.000	91.884%	484.400
2	17:12:19	22340.000	1030.000	0.000	4836.000	12700.000	13070.000	91.868%	482.800
3	17:13:02	22240.000	1035.000	0.000	4831.000	12390.000	12990.000	92.075%	484.600
X		22330.000	1033.000	0.000	4828.000	12510.000	12980.000	91.942%	483.900
σ		95.960	2.311	0.000	9.928	167.500	92.890	0.115%	0.960
%RSD		0.430	0.224	0.000	0.206	1.339	0.715	0.125	0.198
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:11:36	52.570	97.550	1331.000	50210.000	49880.000	17.680	50.440	141.000
2	17:12:19	52.710	98.710	1339.000	50310.000	49840.000	17.760	50.550	141.500
3	17:13:02	52.830	98.080	1336.000	50100.000	49860.000	17.720	50.740	141.300
X		52.700	98.110	1335.000	50210.000	49860.000	17.720	50.580	141.300
σ		0.130	0.578	4.115	102.800	22.830	0.039	0.156	0.255
%RSD		0.247	0.589	0.308	0.205	0.046	0.219	0.309	0.180
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:11:36	140.200	287.500	285.800	16.370	1.062	1.246	0.000	70.430
2	17:12:19	141.700	289.200	289.100	16.990	1.223	1.430	0.000	70.890
3	17:13:02	141.600	288.300	289.300	16.950	1.054	1.304	0.000	71.300
X		141.200	288.300	288.100	16.770	1.113	1.326	0.000	70.870
σ		0.827	0.877	1.954	0.350	0.095	0.094	0.000	0.433
%RSD		0.586	0.304	0.678	2.085	8.572	7.098	0.000	0.611
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:11:36	109.079%	1.338	1.348	93.580%	3.899	3.949	1.366	1.168
2	17:12:19	110.498%	1.399	1.458	93.962%	3.901	3.972	1.158	1.120
3	17:13:02	110.202%	1.319	1.461	93.617%	3.980	3.977	1.356	1.169
X		109.926%	1.352	1.423	93.719%	3.927	3.966	1.293	1.153
σ		0.749%	0.042	0.064	0.211%	0.046	0.015	0.117	0.028
%RSD		0.681	3.096	4.518	0.225	1.177	0.384	9.075	2.408
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:11:36	93.535%	10.200	0.244	0.250	89.090	87.860	94.595%	94.012%
2	17:12:19	94.754%	10.330	0.257	0.276	89.010	88.700	96.593%	96.736%
3	17:13:02	95.461%	10.230	0.266	0.256	89.130	89.000	96.534%	96.932%
X		94.583%	10.250	0.256	0.261	89.080	88.520	95.907%	95.894%
σ		0.974%	0.066	0.011	0.013	0.059	0.587	1.137%	1.632%
%RSD		1.030	0.643	4.262	5.125	0.066	0.663	1.186	1.702
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	17:11:36	0.279	0.259	156.700	155.500	154.900	87.030%		
2	17:12:19	0.261	0.284	159.100	158.400	158.100	87.985%		
3	17:13:02	0.274	0.279	158.000	157.800	157.100	88.978%		
X		0.271	0.274	157.900	157.200	156.700	87.998%		
σ		0.009	0.013	1.201	1.505	1.670	0.974%		
%RSD		3.448	4.848	0.761	0.957	1.065	1.107		

180-19613-C-11-F MS 4/1/2013 5:15:42 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	17:16:24	68.040%	50.970	1036.000	1030.000	0.000	143200.000	117600.000	117600.000
2	17:17:08	70.524%	47.310	984.200	993.800	0.000	137300.000	113600.000	113500.000
3	17:17:51	68.885%	48.620	1022.000	1037.000	0.000	142500.000	118100.000	117700.000
x		69.150%	48.970	1014.000	1020.000	0.000	141000.000	116400.000	116200.000
σ		1.263%	1.853	26.880	23.240	0.000	3208.000	2442.000	2409.000
%RSD		1.826	3.783	2.650	2.278	0.000	2.275	2.098	2.073
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:16:24	153200.000	6751.000	0.000	74940.000	96320.000	98090.000	91.395%	3490.000
2	17:17:08	146700.000	6448.000	0.000	71940.000	93230.000	94550.000	93.654%	3366.000
3	17:17:51	151400.000	6619.000	0.000	74520.000	95550.000	98000.000	92.403%	3458.000
x		150400.000	6606.000	0.000	73800.000	95030.000	96880.000	92.484%	3438.000
σ		3330.000	152.000	0.000	1621.000	1610.000	2017.000	1.131%	64.320
%RSD		2.213	2.301	0.000	2.196	1.694	2.082	1.223	1.871
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:16:24	738.800	638.900	7021.000	241600.000	247500.000	505.100	664.600	788.200
2	17:17:08	716.300	619.300	6785.000	235200.000	239900.000	488.600	644.200	766.800
3	17:17:51	731.700	634.500	7034.000	240600.000	245800.000	503.400	663.100	790.200
x		729.000	630.900	6947.000	239200.000	244400.000	499.000	657.300	781.800
σ		11.510	10.260	140.100	3452.000	4007.000	9.094	11.380	12.950
%RSD		1.578	1.625	2.017	1.443	1.639	1.822	1.732	1.657
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:16:24	796.400	1576.000	1594.000	108.200	14.450	16.250	0.000	1321.000
2	17:17:08	777.200	1543.000	1569.000	105.700	14.660	16.480	0.000	1286.000
3	17:17:51	800.500	1592.000	1618.000	110.200	15.820	16.510	0.000	1336.000
x		791.400	1570.000	1594.000	108.000	14.980	16.410	0.000	1314.000
σ		12.440	25.090	24.460	2.258	0.736	0.140	0.000	25.670
%RSD		1.571	1.598	1.535	2.091	4.915	0.854	0.000	1.953
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:16:24	0.000	901.600	908.400	79.375%	29.000	28.670	45.820	42.200
2	17:17:08	0.000	882.600	888.800	81.671%	28.040	27.870	44.620	41.500
3	17:17:51	0.000	920.700	923.200	80.197%	29.070	28.710	45.510	41.840
x		0.000	901.600	906.800	80.414%	28.710	28.410	45.320	41.850
σ		0.000	19.030	17.240	1.163%	0.578	0.472	0.621	0.349
%RSD		0.000	2.110	1.901	1.447	2.013	1.663	1.370	0.833
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:16:24	84.771%	1386.000	118.700	119.100	2286.000	2244.000	95.841%	96.344%
2	17:17:08	88.021%	1344.000	116.200	115.600	2199.000	2177.000	101.692%	100.248%
3	17:17:51	87.520%	1395.000	120.400	121.000	2277.000	2257.000	100.371%	100.317%
x		86.771%	1375.000	118.400	118.600	2254.000	2226.000	99.301%	98.970%
σ		1.750%	27.130	2.111	2.721	47.700	43.110	3.068%	2.274%
%RSD		2.017	1.972	1.783	2.295	2.116	1.937	3.090	2.298
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	17:16:24	44.570	45.390	729.100	726.200	710.300	76.906%		
2	17:17:08	44.040	44.300	709.700	713.100	692.200	80.089%		
3	17:17:51	45.670	46.210	740.500	744.100	720.500	79.386%		
x		44.760	45.300	726.400	727.800	707.700	78.794%		
σ		0.833	0.960	15.580	15.530	14.350	1.672%		
%RSD		1.860	2.119	2.144	2.134	2.027	2.122		

180-19613-C-11-G MSD 4/1/2013 5:20:31 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	17:21:14	68.303%	49.220	1051.000	1052.000	0.000	142500.000	121400.000	121000.000
2	17:21:57	69.049%	49.390	1054.000	1060.000	0.000	142000.000	121000.000	120600.000
3	17:22:40	68.755%	48.940	1051.000	1057.000	0.000	140200.000	119200.000	118500.000
X		68.702%	49.190	1052.000	1056.000	0.000	141500.000	120600.000	120100.000
σ		0.376%	0.226	1.781	4.077	0.000	1233.000	1157.000	1342.000
%RSD		0.547	0.460	0.169	0.386	0.000	0.871	0.960	1.117
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:21:14	155900.000	8321.000	0.000	74920.000	98880.000	101400.000	92.999%	3676.000
2	17:21:57	154400.000	8187.000	0.000	74500.000	99520.000	100700.000	93.602%	3670.000
3	17:22:40	152400.000	8074.000	0.000	73400.000	97170.000	98490.000	94.230%	3597.000
X		154200.000	8194.000	0.000	74270.000	98520.000	100200.000	93.610%	3648.000
σ		1777.000	123.400	0.000	786.500	1211.000	1529.000	0.615%	43.920
%RSD		1.153	1.506	0.000	1.059	1.229	1.526	0.657	1.204
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:21:14	741.400	665.600	7209.000	251200.000	257400.000	511.100	674.600	833.800
2	17:21:57	743.600	667.700	7208.000	251200.000	256500.000	509.000	674.400	837.700
3	17:22:40	727.800	651.700	7080.000	246100.000	251800.000	500.700	661.600	817.500
X		737.600	661.700	7165.000	249500.000	255200.000	506.900	670.200	829.700
σ		8.553	8.706	74.330	2937.000	2991.000	5.524	7.471	10.730
%RSD		1.160	1.316	1.037	1.177	1.172	1.090	1.115	1.293
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:21:14	847.000	1660.000	1682.000	111.400	15.530	16.890	0.000	1345.000
2	17:21:57	844.500	1664.000	1697.000	112.900	15.960	17.030	0.000	1355.000
3	17:22:40	828.300	1636.000	1672.000	111.600	15.550	16.950	0.000	1326.000
X		839.900	1653.000	1684.000	112.000	15.680	16.960	0.000	1342.000
σ		10.130	15.100	12.950	0.785	0.242	0.071	0.000	15.070
%RSD		1.206	0.913	0.769	0.701	1.543	0.419	0.000	1.123
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:21:14	0.000	921.900	923.300	80.375%	27.890	27.840	45.640	43.070
2	17:21:57	0.000	926.300	929.500	80.849%	28.230	28.020	45.430	43.460
3	17:22:40	0.000	908.200	914.600	81.748%	27.670	27.310	45.030	41.970
X		0.000	918.800	922.500	80.991%	27.930	27.730	45.370	42.830
σ		0.000	9.405	7.477	0.698%	0.286	0.369	0.312	0.772
%RSD		0.000	1.024	0.811	0.861	1.025	1.332	0.687	1.803
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:21:14	86.101%	1359.000	125.300	125.200	2301.000	2275.000	99.478%	98.406%
2	17:21:57	87.594%	1362.000	127.000	125.400	2325.000	2299.000	100.872%	100.327%
3	17:22:40	88.006%	1341.000	123.800	123.300	2272.000	2245.000	102.595%	101.426%
X		87.234%	1354.000	125.300	124.600	2299.000	2273.000	100.981%	100.053%
σ		1.002%	11.290	1.588	1.137	26.410	27.040	1.562%	1.529%
%RSD		1.149	0.834	1.267	0.913	1.148	1.190	1.547	1.528
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	17:21:14	45.270	45.820	752.200	718.800	745.300	78.406%		
2	17:21:57	45.610	45.980	754.700	660.100	734.800	80.009%		
3	17:22:40	44.490	44.890	737.300	661.000	721.900	80.973%		
X		45.120	45.570	748.100	680.000	734.000	79.796%		
σ		0.573	0.589	9.414	33.610	11.690	1.297%		
%RSD		1.271	1.293	1.258	4.943	1.592	1.625		

180-19613-C-11-E PDS

4/1/2013 5:25:20 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	17:26:03	68.255%	52.020	1118.000	1106.000	0.000	144600.000	118200.000	118300.000
2	17:26:46	68.184%	53.500	1122.000	1121.000	0.000	145600.000	119200.000	119400.000
3	17:27:29	68.082%	52.160	1125.000	1120.000	0.000	145500.000	119600.000	119500.000
X		68.174%	52.560	1122.000	1116.000	0.000	145200.000	119000.000	119000.000
σ		0.087%	0.815	3.269	8.386	0.000	547.200	721.000	661.700
%RSD		0.127	1.551	0.291	0.752	0.000	0.377	0.606	0.556
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:26:03	111700.000	14960.000	0.000	69620.000	105800.000	107600.000	89.539%	3254.000
2	17:26:46	112100.000	14960.000	0.000	70330.000	106600.000	107400.000	90.193%	3284.000
3	17:27:29	112000.000	14930.000	0.000	69970.000	106500.000	108300.000	90.190%	3286.000
X		111900.000	14950.000	0.000	69970.000	106300.000	107800.000	89.974%	3275.000
σ		235.500	18.980	0.000	354.300	455.500	476.100	0.377%	17.440
%RSD		0.210	0.127	0.000	0.506	0.429	0.442	0.419	0.533
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:26:03	733.500	670.700	7120.000	245300.000	251000.000	554.200	706.500	926.900
2	17:26:46	731.600	672.100	7142.000	245100.000	251300.000	552.900	706.100	926.000
3	17:27:29	737.800	672.600	7175.000	245600.000	252100.000	557.200	708.200	926.900
X		734.300	671.800	7146.000	245300.000	251500.000	554.700	706.900	926.600
σ		3.217	1.003	27.700	232.500	571.800	2.199	1.085	0.533
%RSD		0.438	0.149	0.388	0.095	0.227	0.397	0.153	0.058
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:26:03	932.700	1727.000	1751.000	118.700	18.790	17.990	0.000	1442.000
2	17:26:46	936.200	1742.000	1747.000	117.700	18.680	18.510	0.000	1451.000
3	17:27:29	940.200	1759.000	1772.000	120.500	18.460	18.080	0.000	1466.000
X		936.400	1743.000	1757.000	119.000	18.640	18.200	0.000	1453.000
σ		3.767	16.030	13.400	1.414	0.170	0.276	0.000	12.180
%RSD		0.402	0.920	0.763	1.188	0.913	1.518	0.000	0.838
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:26:03	0.000	1086.000	1094.000	77.840%	62.710	62.200	50.240	46.180
2	17:26:46	0.000	1101.000	1103.000	78.418%	63.890	63.000	50.330	46.930
3	17:27:29	0.000	1112.000	1118.000	77.638%	63.420	65.510	51.070	47.400
X		0.000	1100.000	1105.000	77.965%	63.340	63.570	50.550	46.840
σ		0.000	12.940	12.280	0.405%	0.596	1.725	0.454	0.614
%RSD		0.000	1.177	1.111	0.519	0.941	2.714	0.899	1.311
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:26:03	82.738%	1942.000	435.700	434.200	2338.000	2302.000	96.082%	95.733%
2	17:26:46	84.703%	1925.000	441.500	435.900	2322.000	2308.000	99.660%	98.530%
3	17:27:29	82.821%	1966.000	454.300	447.600	2357.000	2339.000	99.654%	98.707%
X		83.421%	1944.000	443.900	439.200	2339.000	2316.000	98.465%	97.657%
σ		1.111%	20.940	9.506	7.284	17.650	19.830	2.064%	1.668%
%RSD		1.332	1.077	2.142	1.658	0.755	0.856	2.096	1.708
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	17:26:03	47.790	48.240	769.400	768.200	770.200	78.256%		
2	17:26:46	48.270	48.340	767.800	766.900	769.100	80.748%		
3	17:27:29	48.030	48.690	771.600	762.200	767.000	81.157%		
X		48.030	48.420	769.600	765.800	768.800	80.054%		
σ		0.243	0.233	1.891	3.190	1.603	1.570%		
%RSD		0.505	0.480	0.246	0.417	0.209	1.961		

CCV 781130 4/1/2013 5:30:09 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	17:30:52	91.492%	93.350	113.800	109.900	0.000	45160.000	45580.000	45870.000
2	17:31:35	93.594%	93.280	108.600	107.400	0.000	45340.000	45480.000	45800.000
3	17:32:18	94.315%	92.070	104.900	106.000	0.000	44700.000	44950.000	45440.000
X		93.134%	92.902%	109.093%	107.769%	0.000	90.133%	90.670%	91.398%
σ		1.466%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.574	0.779	4.100	1.829	0.000	0.738	0.751	0.505
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:30:52	557.700	4704.000	0.000	46170.000	43900.000	45790.000	100.291%	93.340
2	17:31:35	587.200	4620.000	0.000	45980.000	43690.000	45320.000	101.670%	93.160
3	17:32:18	528.000	4623.000	0.000	45910.000	43890.000	45320.000	102.003%	93.970
X		111.529%	92.981%	0.000	92.040%	87.658%	90.946%	101.321%	93.492%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.908%	n/a
%RSD		5.308	1.027	0.000	0.299	0.280	0.596	0.896	0.455
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:30:52	90.650	91.620	470.100	23870.000	24120.000	92.860	94.400	96.880
2	17:31:35	89.270	90.970	474.700	23900.000	24310.000	93.000	94.930	97.520
3	17:32:18	90.160	90.470	469.200	23690.000	23990.000	92.100	94.430	96.800
X		90.028%	91.018%	94.264%	95.277%	96.572%	92.653%	94.587%	97.067%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.776	0.635	0.626	0.473	0.669	0.518	0.318	0.408
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:30:52	98.030	103.300	102.500	97.840	102.400	97.870	0.000	98.590
2	17:31:35	98.500	103.600	103.200	97.150	102.200	101.200	0.000	98.470
3	17:32:18	96.470	102.500	102.000	97.380	101.400	100.500	0.000	98.080
X		97.666%	103.144%	102.564%	97.457%	102.022%	99.870%	0.000	98.379%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.089	0.550	0.566	0.358	0.519	1.766	0.000	0.267
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:30:52	90.016%	99.910	100.200	90.159%	94.290	95.720	97.300	98.320
2	17:31:35	92.179%	101.200	101.400	91.597%	94.470	95.570	97.940	98.380
3	17:32:18	92.411%	101.400	101.000	91.555%	94.270	95.660	98.010	99.330
X		91.535%	100.850%	100.879%	91.103%	94.346%	95.652%	97.749%	98.674%
σ		1.321%	n/a	n/a	0.819%	n/a	n/a	n/a	n/a
%RSD		1.443	0.815	0.597	0.898	0.118	0.079	0.398	0.574
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:30:52	86.934%	101.800	102.000	101.200	102.100	102.600	88.703%	88.066%
2	17:31:35	89.604%	101.700	99.480	100.300	103.000	103.200	90.184%	90.803%
3	17:32:18	89.796%	101.200	99.260	99.020	100.800	99.710	92.214%	91.524%
X		88.778%	101.560%	100.257%	100.162%	101.952%	101.816%	90.367%	90.131%
σ		1.599%	n/a	n/a	n/a	n/a	n/a	1.763%	1.824%
%RSD		1.802	0.279	1.537	1.077	1.065	1.820	1.951	2.024
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	17:30:52	94.350	94.120	95.040	94.580	94.710	82.517%		
2	17:31:35	94.850	94.390	95.850	95.990	96.030	84.862%		
3	17:32:18	95.180	94.730	95.540	96.030	95.570	84.824%		
X		94.793%	94.411%	95.475%	95.534%	95.435%	84.068%		
σ		n/a	n/a	n/a	n/a	n/a	1.343%		
%RSD		0.443	0.327	0.425	0.861	0.703	1.598		

CCB3 4/1/2013 5:34:59 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	17:35:42	115.656%	0.065	11.380	11.820	0.000	94.760	52.310	51.860
2	17:36:25	116.776%	0.064	10.130	10.720	0.000	92.440	56.000	56.130
3	17:37:08	116.750%	0.106	10.160	9.900	0.000	95.020	61.350	61.060
X		116.394%	0.078	10.550	10.810	0.000	94.070	56.550	56.350
σ		0.640%	0.024	0.711	0.963	0.000	1.420	4.547	4.601
%RSD		0.549	30.350	6.733	8.906	0.000	1.509	8.041	8.165
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:35:42	20.980	5.766	0.000	101.700	54.640	52.230	119.563%	0.450
2	17:36:25	24.000	10.460	0.000	89.810	47.010	56.340	119.370%	0.957
3	17:37:08	25.210	4.368	0.000	86.850	55.630	62.540	118.874%	0.742
X		23.400	6.864	0.000	92.780	52.430	57.040	119.269%	0.716
σ		2.181	3.190	0.000	7.844	4.718	5.188	0.356%	0.255
%RSD		9.321	46.480	0.000	8.454	9.000	9.095	0.298	35.520
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:35:42	0.175	0.268	1.658	50.190	62.810	0.145	0.217	1.752
2	17:36:25	0.117	0.277	1.871	57.360	67.020	0.161	0.257	1.658
3	17:37:08	0.137	0.317	1.967	63.650	71.950	0.180	0.287	1.690
X		0.143	0.287	1.832	57.070	67.260	0.162	0.254	1.700
σ		0.030	0.026	0.158	6.732	4.570	0.017	0.035	0.048
%RSD		20.660	9.081	8.632	11.800	6.795	10.760	13.940	2.813
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:35:42	0.395	0.883	0.975	-0.169	2.567	-0.833	0.000	0.298
2	17:36:25	0.453	0.947	0.979	-0.031	2.123	-0.618	0.000	0.316
3	17:37:08	0.387	0.978	1.044	-0.057	2.120	-0.663	0.000	0.355
X		0.411	0.936	0.999	-0.086	2.270	-0.705	0.000	0.323
σ		0.036	0.049	0.039	0.074	0.257	0.114	0.000	0.029
%RSD		8.688	5.202	3.877	85.900	11.320	16.150	0.000	9.003
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:35:42	116.322%	0.903	0.859	109.911%	0.101	0.100	0.002	0.047
2	17:36:25	117.340%	0.851	0.779	110.533%	0.100	0.089	0.056	0.051
3	17:37:08	116.221%	0.692	0.652	109.657%	0.105	0.117	0.027	0.048
X		116.627%	0.815	0.763	110.034%	0.102	0.102	0.028	0.049
σ		0.619%	0.110	0.104	0.451%	0.003	0.014	0.027	0.002
%RSD		0.531	13.460	13.650	0.409	2.550	13.580	95.500	4.995
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:35:42	101.379%	1.784	0.625	0.567	0.607	0.611	97.109%	97.407%
2	17:36:25	102.892%	1.757	0.637	0.634	0.613	0.705	99.822%	99.537%
3	17:37:08	102.373%	1.647	0.586	0.606	0.731	0.683	99.375%	99.487%
X		102.215%	1.729	0.616	0.603	0.650	0.666	98.769%	98.810%
σ		0.769%	0.073	0.027	0.034	0.070	0.049	1.455%	1.216%
%RSD		0.752	4.195	4.364	5.586	10.800	7.398	1.473	1.230
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	17:35:42	0.067	0.068	0.305	0.300	0.291	106.667%		
2	17:36:25	0.062	0.063	0.281	0.284	0.287	110.367%		
3	17:37:08	0.074	0.081	0.317	0.319	0.313	108.816%		
X		0.068	0.071	0.301	0.301	0.297	108.617%		
σ		0.006	0.009	0.018	0.017	0.014	1.858%		
%RSD		9.040	13.000	6.035	5.751	4.773	1.711		

180-19613-C-10-H 4/1/2013 5:39:50 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	17:40:33	69.312%	6.353	219.000	222.000	0.000	94410.000	71090.000	71170.000
2	17:41:16	70.903%	6.291	221.000	222.500	0.000	93660.000	70070.000	70100.000
3	17:41:59	70.064%	6.506	218.700	223.500	0.000	93800.000	70510.000	70110.000
X		70.093%	6.383	219.500	222.700	0.000	93960.000	70560.000	70460.000
σ		0.796%	0.111	1.249	0.762	0.000	395.500	515.400	612.800
%RSD		1.136	1.731	0.569	0.342	0.000	0.421	0.731	0.870
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:40:33	116200.000	5619.000	0.000	24470.000	61630.000	63650.000	92.908%	2520.000
2	17:41:16	114200.000	5485.000	0.000	24420.000	61850.000	63610.000	93.297%	2524.000
3	17:41:59	114000.000	5512.000	0.000	24510.000	61460.000	63430.000	93.200%	2518.000
X		114800.000	5539.000	0.000	24460.000	61640.000	63560.000	93.135%	2521.000
σ		1204.000	70.950	0.000	43.690	194.900	115.900	0.203%	3.062
%RSD		1.049	1.281	0.000	0.179	0.316	0.182	0.218	0.121
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:40:33	281.200	603.100	5953.000	247700.000	253100.000	87.690	255.600	822.100
2	17:41:16	281.300	605.600	5987.000	247400.000	252300.000	88.030	251.700	826.200
3	17:41:59	280.300	604.500	5944.000	246500.000	252500.000	87.810	253.200	827.900
X		280.900	604.400	5961.000	247200.000	252600.000	87.840	253.500	825.400
σ		0.589	1.254	22.700	602.700	430.000	0.169	1.973	2.961
%RSD		0.209	0.207	0.381	0.244	0.170	0.193	0.778	0.359
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:40:33	829.300	1410.000	1421.000	88.140	6.766	9.993	0.000	447.300
2	17:41:16	835.500	1422.000	1447.000	88.880	6.742	10.210	0.000	455.800
3	17:41:59	836.000	1427.000	1439.000	88.770	7.102	9.902	0.000	452.400
X		833.600	1419.000	1436.000	88.600	6.870	10.030	0.000	451.800
σ		3.752	8.765	13.580	0.400	0.201	0.157	0.000	4.279
%RSD		0.450	0.618	0.946	0.452	2.927	1.561	0.000	0.947
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:40:33	0.000	10.360	10.820	84.849%	28.370	28.300	9.084	8.949
2	17:41:16	0.000	10.630	10.730	85.322%	28.700	28.780	9.134	8.672
3	17:41:59	0.000	10.660	10.560	85.444%	28.500	28.550	9.102	8.674
X		0.000	10.550	10.700	85.205%	28.520	28.540	9.107	8.765
σ		0.000	0.167	0.130	0.314%	0.168	0.240	0.026	0.159
%RSD		0.000	1.580	1.212	0.369	0.590	0.840	0.281	1.815
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:40:33	86.979%	55.710	1.411	1.467	509.400	500.800	99.834%	99.320%
2	17:41:16	89.535%	55.650	1.376	1.299	505.100	502.300	102.993%	102.410%
3	17:41:59	89.899%	55.170	1.259	1.246	505.000	497.900	103.665%	103.129%
X		88.804%	55.510	1.349	1.338	506.500	500.300	102.164%	101.620%
σ		1.591%	0.293	0.080	0.116	2.533	2.236	2.046%	2.024%
%RSD		1.792	0.527	5.933	8.631	0.500	0.447	2.002	1.992
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	17:40:33	1.372	1.423	905.300	903.100	899.500	84.020%		
2	17:41:16	1.455	1.490	910.800	910.400	907.300	85.066%		
3	17:41:59	1.435	1.428	901.200	899.500	896.400	85.531%		
X		1.420	1.447	905.800	904.300	901.100	84.873%		
σ		0.043	0.037	4.799	5.552	5.613	0.774%		
%RSD		3.037	2.568	0.530	0.614	0.623	0.911		

180-19613-D-12-G

4/1/2013 5:44:40 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	17:45:23	68.686%	6.192	228.200	229.100	0.000	90130.000	70620.000	70660.000
2	17:46:06	69.262%	6.122	225.200	230.600	0.000	89410.000	69860.000	69570.000
3	17:46:49	69.482%	5.689	229.300	229.400	0.000	89510.000	70290.000	69980.000
X		69.143%	6.001	227.600	229.700	0.000	89680.000	70260.000	70070.000
σ		0.411%	0.273	2.117	0.789	0.000	391.000	381.200	552.400
%RSD		0.594	4.541	0.930	0.344	0.000	0.436	0.543	0.788
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:45:23	112900.000	4860.000	0.000	23970.000	77490.000	80110.000	91.059%	2456.000
2	17:46:06	110800.000	4768.000	0.000	23680.000	77380.000	79350.000	90.907%	2462.000
3	17:46:49	111100.000	4748.000	0.000	23920.000	78200.000	80450.000	89.904%	2446.000
X		111600.000	4792.000	0.000	23860.000	77690.000	79970.000	90.623%	2455.000
σ		1113.000	60.020	0.000	153.900	446.700	563.100	0.628%	8.010
%RSD		0.997	1.252	0.000	0.645	0.575	0.704	0.693	0.326
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:45:23	279.500	493.600	7218.000	244800.000	249400.000	86.020	248.800	661.300
2	17:46:06	277.500	486.600	7158.000	242900.000	247200.000	85.140	245.500	652.900
3	17:46:49	278.100	491.000	7215.000	244200.000	249700.000	85.440	246.400	658.700
X		278.400	490.400	7197.000	243900.000	248800.000	85.530	246.900	657.600
σ		1.018	3.529	33.600	923.900	1403.000	0.449	1.713	4.309
%RSD		0.366	0.720	0.467	0.379	0.564	0.525	0.694	0.655
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:45:23	667.400	1303.000	1330.000	90.450	7.223	10.490	0.000	541.400
2	17:46:06	659.900	1306.000	1328.000	89.890	7.135	9.772	0.000	547.200
3	17:46:49	663.900	1314.000	1337.000	89.440	6.774	9.397	0.000	550.800
X		663.700	1308.000	1332.000	89.930	7.044	9.887	0.000	546.500
σ		3.752	5.735	4.889	0.507	0.238	0.557	0.000	4.722
%RSD		0.565	0.439	0.367	0.564	3.377	5.631	0.000	0.864
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:45:23	0.000	9.378	9.299	82.704%	19.540	19.750	5.977	5.689
2	17:46:06	0.000	9.471	9.433	83.191%	19.590	19.740	5.927	5.494
3	17:46:49	0.000	9.455	9.527	83.421%	19.600	19.630	5.867	5.606
X		0.000	9.435	9.420	83.105%	19.570	19.710	5.924	5.597
σ		0.000	0.050	0.115	0.366%	0.031	0.064	0.055	0.098
%RSD		0.000	0.526	1.216	0.441	0.159	0.322	0.936	1.746
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:45:23	85.456%	48.010	0.829	0.840	531.100	524.500	98.417%	96.843%
2	17:46:06	87.143%	48.070	0.838	0.858	528.900	526.300	100.611%	100.356%
3	17:46:49	88.598%	47.640	0.789	0.844	523.600	520.300	102.272%	101.256%
X		87.066%	47.910	0.818	0.848	527.900	523.700	100.433%	99.485%
σ		1.573%	0.230	0.026	0.010	3.841	3.087	1.933%	2.332%
%RSD		1.806	0.480	3.194	1.131	0.728	0.589	1.925	2.344
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	17:45:23	1.347	1.362	767.100	756.900	762.600	81.294%		
2	17:46:06	1.301	1.360	756.100	744.500	750.700	83.864%		
3	17:46:49	1.362	1.383	762.100	753.200	759.200	84.256%		
X		1.337	1.368	761.800	751.500	757.500	83.138%		
σ		0.032	0.013	5.498	6.388	6.149	1.609%		
%RSD		2.377	0.943	0.722	0.850	0.812	1.935		

180-19613-D-13-H 4/1/2013 5:49:30 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	17:50:13	65.596%	6.796	222.800	225.100	0.000	84140.000	68970.000	69110.000
2	17:50:56	66.078%	6.401	224.800	225.800	0.000	83970.000	69080.000	68820.000
3	17:51:39	66.781%	6.622	220.700	223.500	0.000	82960.000	68060.000	68170.000
X		66.152%	6.606	222.800	224.800	0.000	83690.000	68700.000	68700.000
σ		0.596%	0.198	2.047	1.177	0.000	634.600	561.000	479.500
%RSD		0.900	2.996	0.919	0.524	0.000	0.758	0.817	0.698
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:50:13	130100.000	7471.000	0.000	28720.000	623000.000	647000.000	84.313%	3372.000
2	17:50:56	129300.000	7403.000	0.000	28660.000	627100.000	647000.000	85.150%	3377.000
3	17:51:39	128700.000	7339.000	0.000	28420.000	623100.000	642900.000	85.158%	3342.000
X		129400.000	7404.000	0.000	28600.000	624400.000	645700.000	84.874%	3364.000
σ		706.800	65.920	0.000	158.700	2345.000	2385.000	0.486%	18.850
%RSD		0.546	0.890	0.000	0.555	0.376	0.369	0.573	0.560
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:50:13	286.600	846.300	6490.000	245700.000	251800.000	84.160	239.500	660.200
2	17:50:56	287.900	847.500	6518.000	246700.000	252300.000	85.600	240.100	665.000
3	17:51:39	283.800	842.900	6465.000	244600.000	249500.000	83.240	235.000	658.300
X		286.100	845.600	6491.000	245700.000	251200.000	84.330	238.200	661.200
σ		2.072	2.371	26.710	1047.000	1513.000	1.189	2.792	3.451
%RSD		0.724	0.280	0.412	0.426	0.602	1.410	1.172	0.522
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:50:13	670.100	1301.000	1318.000	111.500	8.157	10.220	0.000	1698.000
2	17:50:56	672.000	1311.000	1333.000	113.000	8.100	9.915	0.000	1733.000
3	17:51:39	663.200	1298.000	1310.000	111.500	7.694	9.043	0.000	1712.000
X		668.400	1303.000	1320.000	112.000	7.983	9.725	0.000	1714.000
σ		4.612	6.987	11.420	0.858	0.253	0.609	0.000	17.480
%RSD		0.690	0.536	0.865	0.766	3.164	6.265	0.000	1.020
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:50:13	0.000	13.180	13.310	76.731%	21.640	21.450	7.948	7.305
2	17:50:56	0.000	13.800	13.540	76.115%	22.070	21.720	8.002	7.291
3	17:51:39	0.000	13.470	13.360	76.845%	21.750	21.670	7.920	7.380
X		0.000	13.480	13.400	76.564%	21.820	21.610	7.957	7.325
σ		0.000	0.308	0.119	0.392%	0.223	0.143	0.042	0.048
%RSD		0.000	2.281	0.888	0.513	1.020	0.660	0.529	0.657
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:50:13	81.536%	44.470	0.725	0.716	1409.000	1393.000	91.007%	89.846%
2	17:50:56	83.676%	45.080	0.732	0.784	1412.000	1399.000	93.165%	91.916%
3	17:51:39	84.096%	44.520	0.694	0.692	1412.000	1387.000	92.913%	92.440%
X		83.103%	44.690	0.717	0.731	1411.000	1393.000	92.362%	91.401%
σ		1.373%	0.340	0.020	0.048	1.918	6.043	1.180%	1.371%
%RSD		1.652	0.760	2.820	6.533	0.136	0.434	1.277	1.500
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	17:50:13	1.279	1.285	771.200	770.300	763.600	75.432%		
2	17:50:56	1.247	1.276	782.400	780.800	771.000	77.003%		
3	17:51:39	1.286	1.286	763.700	778.100	765.900	76.957%		
X		1.271	1.283	772.400	776.400	766.900	76.464%		
σ		0.021	0.005	9.425	5.459	3.782	0.894%		
%RSD		1.663	0.412	1.220	0.703	0.493	1.169		

180-19613-C-14-T 4/1/2013 5:54:18 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	17:55:01	61.617%	7.534	242.200	243.800	0.000	84680.000	73450.000	73350.000
2	17:55:44	62.094%	6.934	239.000	240.100	0.000	83930.000	72910.000	72750.000
3	17:56:27	61.262%	6.612	234.600	238.300	0.000	83970.000	72830.000	72700.000
X		61.657%	7.027	238.600	240.700	0.000	84190.000	73060.000	72930.000
σ		0.417%	0.468	3.822	2.824	0.000	422.600	335.100	364.400
%RSD		0.677	6.659	1.602	1.173	0.000	0.502	0.459	0.500
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:55:01	147200.000	5995.000	0.000	28780.000	919700.000	932800.000	78.149%	3642.000
2	17:55:44	145600.000	5871.000	0.000	28740.000	913100.000	928700.000	78.069%	3626.000
3	17:56:27	146200.000	5832.000	0.000	28710.000	906300.000	927400.000	77.378%	3598.000
X		146300.000	5899.000	0.000	28740.000	913000.000	929600.000	77.865%	3622.000
σ		815.500	84.880	0.000	36.860	6682.000	2811.000	0.424%	21.960
%RSD		0.557	1.439	0.000	0.128	0.732	0.302	0.544	0.606
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:55:01	294.800	743.000	7934.000	262400.000	269500.000	88.570	244.000	512.000
2	17:55:44	297.000	743.800	7897.000	259100.000	267200.000	87.420	240.800	506.700
3	17:56:27	293.000	743.100	7924.000	260700.000	266400.000	87.300	241.900	506.800
X		295.000	743.300	7918.000	260700.000	267700.000	87.760	242.200	508.500
σ		2.013	0.455	19.200	1623.000	1601.000	0.700	1.622	3.072
%RSD		0.683	0.061	0.242	0.623	0.598	0.797	0.669	0.604
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:55:01	518.900	1211.000	1222.000	121.000	6.036	9.000	0.000	2343.000
2	17:55:44	512.200	1212.000	1231.000	121.800	5.677	9.604	0.000	2331.000
3	17:56:27	513.800	1212.000	1234.000	120.800	6.233	8.747	0.000	2357.000
X		515.000	1212.000	1229.000	121.200	5.982	9.117	0.000	2344.000
σ		3.506	0.289	6.218	0.508	0.282	0.440	0.000	13.090
%RSD		0.681	0.024	0.506	0.419	4.715	4.829	0.000	0.559
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:55:01	0.000	12.420	12.470	69.655%	12.400	12.360	5.639	4.933
2	17:55:44	0.000	12.380	12.200	69.926%	12.330	12.330	5.365	4.712
3	17:56:27	0.000	12.230	12.820	69.401%	12.460	12.400	5.418	4.644
X		0.000	12.340	12.490	69.661%	12.400	12.360	5.474	4.763
σ		0.000	0.101	0.312	0.263%	0.068	0.038	0.145	0.151
%RSD		0.000	0.821	2.496	0.377	0.547	0.304	2.654	3.175
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:55:01	76.063%	36.730	0.609	0.629	1845.000	1823.000	85.056%	83.859%
2	17:55:44	77.407%	36.890	0.608	0.589	1835.000	1823.000	87.382%	85.801%
3	17:56:27	77.525%	36.800	0.565	0.557	1852.000	1823.000	86.594%	86.634%
X		76.998%	36.810	0.594	0.592	1844.000	1823.000	86.344%	85.432%
σ		0.812%	0.080	0.025	0.036	8.347	0.477	1.183%	1.424%
%RSD		1.055	0.217	4.214	6.093	0.453	0.026	1.370	1.667
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	17:55:01	1.217	1.235	611.900	614.300	610.000	69.902%		
2	17:55:44	1.165	1.192	615.600	613.800	606.700	72.060%		
3	17:56:27	1.192	1.211	618.600	617.700	610.100	72.155%		
X		1.191	1.213	615.400	615.300	609.000	71.372%		
σ		0.026	0.021	3.367	2.138	1.914	1.274%		
%RSD		2.209	1.750	0.547	0.347	0.314	1.785		

180-19613-C-14-T SD@5

4/1/2013 5:59:05 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	17:59:48	71.048%	1.530	59.890	60.210	0.000	16730.000	14810.000	15020.000
2	18:00:31	71.674%	1.458	58.420	60.030	0.000	16850.000	14980.000	15060.000
3	18:01:14	71.878%	1.536	59.170	57.850	0.000	16870.000	15050.000	15150.000
X		71.533%	1.508	59.160	59.360	0.000	16820.000	14940.000	15070.000
σ		0.433%	0.043	0.737	1.313	0.000	76.590	124.000	65.480
%RSD		0.605	2.876	1.246	2.211	0.000	0.456	0.830	0.434
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:59:48	30680.000	1243.000	0.000	6126.000	186000.000	195800.000	79.993%	753.400
2	18:00:31	30570.000	1257.000	0.000	6118.000	188700.000	198400.000	79.847%	761.900
3	18:01:14	30600.000	1246.000	0.000	6079.000	189100.000	197400.000	79.732%	761.800
X		30620.000	1249.000	0.000	6108.000	187900.000	197200.000	79.857%	759.000
σ		59.890	7.564	0.000	25.330	1666.000	1332.000	0.131%	4.873
%RSD		0.196	0.606	0.000	0.415	0.886	0.675	0.164	0.642
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:59:48	58.460	149.100	1582.000	53520.000	53620.000	17.230	49.820	103.500
2	18:00:31	59.640	151.700	1595.000	54050.000	53710.000	17.390	49.740	105.300
3	18:01:14	59.840	151.500	1606.000	54340.000	54400.000	17.410	50.290	105.500
X		59.310	150.800	1594.000	53970.000	53910.000	17.340	49.950	104.800
σ		0.749	1.465	12.300	413.700	425.700	0.096	0.295	1.095
%RSD		1.263	0.972	0.772	0.766	0.790	0.552	0.591	1.045
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:59:48	102.300	264.400	263.400	22.630	1.115	1.302	0.000	342.900
2	18:00:31	104.200	264.800	265.600	23.510	1.569	0.988	0.000	346.500
3	18:01:14	104.400	265.600	267.700	24.130	1.716	1.014	0.000	347.200
X		103.700	264.900	265.600	23.420	1.466	1.101	0.000	345.500
σ		1.156	0.620	2.189	0.758	0.313	0.174	0.000	2.335
%RSD		1.115	0.234	0.824	3.238	21.370	15.820	0.000	0.676
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:59:48	100.617%	1.706	1.951	79.574%	2.678	2.690	1.104	1.049
2	18:00:31	102.386%	1.786	2.035	79.702%	2.708	2.660	1.150	1.049
3	18:01:14	102.187%	1.926	1.975	79.695%	2.700	2.650	1.196	1.115
X		101.730%	1.806	1.987	79.657%	2.695	2.667	1.150	1.071
σ		0.969%	0.112	0.044	0.072%	0.016	0.021	0.046	0.038
%RSD		0.952	6.174	2.192	0.090	0.589	0.787	4.019	3.582
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:59:48	80.069%	7.801	0.156	0.183	378.300	372.400	84.251%	84.747%
2	18:00:31	81.551%	7.731	0.190	0.197	378.000	374.200	86.632%	86.797%
3	18:01:14	81.645%	8.044	0.158	0.167	381.000	377.700	86.663%	87.007%
X		81.088%	7.859	0.168	0.183	379.100	374.800	85.849%	86.184%
σ		0.884%	0.164	0.019	0.015	1.642	2.731	1.384%	1.249%
%RSD		1.090	2.092	11.330	8.224	0.433	0.729	1.612	1.449
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	17:59:48	0.223	0.243	120.400	119.900	119.300	79.404%		
2	18:00:31	0.224	0.233	122.500	122.600	121.900	80.500%		
3	18:01:14	0.245	0.242	124.000	123.700	123.300	79.991%		
X		0.230	0.239	122.300	122.100	121.500	79.965%		
σ		0.012	0.006	1.828	1.970	2.006	0.548%		
%RSD		5.373	2.331	1.495	1.614	1.651	0.686		

180-19613-D-14-C MS

4/1/2013 6:03:52 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	18:04:35	61.353%	49.250	999.900	991.900	0.000	133000.000	118900.000	118600.000
2	18:05:18	61.723%	47.670	1009.000	1002.000	0.000	133200.000	119400.000	119700.000
3	18:06:01	62.320%	47.070	1003.000	1001.000	0.000	132100.000	118600.000	118600.000
X		61.799%	47.990	1004.000	998.300	0.000	132800.000	118900.000	119000.000
σ		0.488%	1.125	4.444	5.543	0.000	585.600	384.300	652.000
%RSD		0.790	2.344	0.443	0.555	0.000	0.441	0.323	0.548
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:04:35	171100.000	8628.000	0.000	81620.000	540100.000	561800.000	79.849%	4503.000
2	18:05:18	170900.000	8512.000	0.000	81010.000	543500.000	559900.000	81.924%	4506.000
3	18:06:01	170600.000	8468.000	0.000	80920.000	542700.000	558500.000	82.010%	4493.000
X		170900.000	8536.000	0.000	81180.000	542100.000	560100.000	81.261%	4501.000
σ		261.600	82.940	0.000	378.000	1794.000	1633.000	1.224%	6.940
%RSD		0.153	0.972	0.000	0.466	0.331	0.291	1.506	0.154
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:04:35	750.900	804.200	7848.000	261100.000	267000.000	489.700	643.400	735.300
2	18:05:18	748.700	795.500	7803.000	257700.000	265300.000	486.000	639.200	733.100
3	18:06:01	746.000	795.600	7774.000	258800.000	265000.000	484.400	635.600	728.100
X		748.500	798.500	7808.000	259200.000	265800.000	486.700	639.400	732.100
σ		2.458	4.965	37.110	1733.000	1079.000	2.703	3.909	3.695
%RSD		0.328	0.622	0.475	0.669	0.406	0.555	0.611	0.505
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:04:35	743.100	1548.000	1573.000	128.800	13.860	16.380	0.000	2401.000
2	18:05:18	740.600	1550.000	1579.000	127.200	13.970	16.500	0.000	2410.000
3	18:06:01	743.000	1555.000	1567.000	129.100	13.680	16.140	0.000	2400.000
X		742.200	1551.000	1573.000	128.400	13.830	16.340	0.000	2404.000
σ		1.407	3.570	6.075	1.017	0.145	0.186	0.000	5.671
%RSD		0.190	0.230	0.386	0.792	1.049	1.138	0.000	0.236
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:04:35	0.000	882.000	886.900	70.662%	29.910	29.770	42.440	38.800
2	18:05:18	0.000	895.500	894.100	71.932%	30.170	30.060	42.530	38.680
3	18:06:01	0.000	890.800	890.400	72.736%	30.070	29.590	43.500	38.460
X		0.000	889.400	890.500	71.777%	30.050	29.810	42.820	38.640
σ		0.000	6.866	3.612	1.046%	0.128	0.241	0.583	0.173
%RSD		0.000	0.772	0.406	1.457	0.426	0.808	1.362	0.447
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:04:35	76.424%	1309.000	97.160	96.630	2972.000	2951.000	86.096%	84.362%
2	18:05:18	79.221%	1313.000	97.770	96.620	2923.000	2951.000	89.395%	87.839%
3	18:06:01	79.882%	1319.000	96.440	96.630	2997.000	2945.000	89.770%	89.097%
X		78.509%	1314.000	97.120	96.630	2964.000	2949.000	88.421%	87.099%
σ		1.836%	5.109	0.663	0.006	37.540	3.785	2.022%	2.453%
%RSD		2.338	0.389	0.683	0.006	1.266	0.128	2.286	2.816
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	18:04:35	42.830	43.650	680.700	681.600	676.400	70.721%		
2	18:05:18	43.660	43.990	688.100	690.700	681.200	72.929%		
3	18:06:01	43.490	43.860	688.300	687.400	676.000	73.790%		
X		43.330	43.830	685.700	686.600	677.900	72.480%		
σ		0.437	0.175	4.314	4.597	2.934	1.583%		
%RSD		1.007	0.399	0.629	0.670	0.433	2.184		

180-19613-D-14-D MSD 4/1/2013 6:08:39 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	18:09:22	60.065%	49.610	1046.000	1024.000	0.000	135600.000	122400.000	122700.000
2	18:10:06	60.774%	49.500	1012.000	1011.000	0.000	132900.000	120000.000	120200.000
3	18:10:48	60.498%	49.170	1009.000	1012.000	0.000	132600.000	120100.000	120400.000
X		60.446%	49.430	1023.000	1016.000	0.000	133700.000	120800.000	121100.000
σ		0.357%	0.229	20.380	6.875	0.000	1681.000	1358.000	1385.000
%RSD		0.591	0.463	1.993	0.677	0.000	1.257	1.124	1.143
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:09:22	175500.000	9227.000	0.000	81270.000	725500.000	739500.000	79.187%	4951.000
2	18:10:06	171300.000	8950.000	0.000	79860.000	706600.000	726300.000	80.309%	4875.000
3	18:10:48	171400.000	8901.000	0.000	79840.000	700000.000	729400.000	79.487%	4873.000
X		172700.000	9026.000	0.000	80320.000	710700.000	731700.000	79.661%	4900.000
σ		2422.000	176.000	0.000	821.300	13230.000	6924.000	0.581%	44.460
%RSD		1.402	1.950	0.000	1.023	1.862	0.946	0.729	0.907
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:09:22	764.300	870.100	8257.000	266500.000	273100.000	496.200	653.300	739.000
2	18:10:06	748.600	857.700	8134.000	262200.000	269500.000	492.600	643.500	728.200
3	18:10:48	750.000	858.300	8131.000	263100.000	270300.000	490.800	645.600	730.000
X		754.300	862.000	8174.000	263900.000	271000.000	493.200	647.500	732.400
σ		8.684	7.006	72.220	2270.000	1858.000	2.717	5.147	5.818
%RSD		1.151	0.813	0.884	0.860	0.686	0.551	0.795	0.794
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:09:22	748.900	1565.000	1577.000	138.900	13.850	16.390	0.000	2816.000
2	18:10:06	741.500	1559.000	1568.000	138.500	14.100	15.610	0.000	2804.000
3	18:10:48	737.700	1570.000	1602.000	140.500	14.250	16.580	0.000	2833.000
X		742.700	1565.000	1582.000	139.300	14.060	16.190	0.000	2818.000
σ		5.681	5.685	17.640	1.086	0.201	0.513	0.000	14.220
%RSD		0.765	0.363	1.115	0.779	1.427	3.166	0.000	0.505
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:09:22	0.000	921.000	923.600	69.589%	31.740	31.280	44.850	39.650
2	18:10:06	0.000	919.600	924.100	70.174%	31.380	31.200	42.830	38.610
3	18:10:48	0.000	922.100	925.800	69.246%	31.590	31.260	44.090	38.750
X		0.000	920.900	924.500	69.670%	31.570	31.250	43.920	39.000
σ		0.000	1.240	1.169	0.469%	0.184	0.044	1.022	0.566
%RSD		0.000	0.135	0.126	0.673	0.581	0.141	2.327	1.451
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:09:22	75.495%	1295.000	98.650	99.130	3157.000	3257.000	84.900%	83.057%
2	18:10:06	76.888%	1287.000	99.490	98.970	3149.000	3178.000	86.010%	85.423%
3	18:10:48	76.960%	1287.000	97.800	98.970	2992.000	3225.000	87.045%	85.847%
X		76.448%	1290.000	98.650	99.020	3099.000	3220.000	85.985%	84.776%
σ		0.826%	4.427	0.844	0.094	93.090	39.890	1.072%	1.503%
%RSD		1.080	0.343	0.856	0.095	3.004	1.239	1.247	1.773
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	18:09:22	43.580	44.380	681.300	683.200	678.100	70.020%		
2	18:10:06	43.750	44.350	680.600	685.900	674.800	71.159%		
3	18:10:48	43.520	44.020	676.700	674.700	668.300	71.839%		
X		43.620	44.250	679.600	681.200	673.700	71.006%		
σ		0.118	0.204	2.479	5.807	4.964	0.919%		
%RSD		0.271	0.462	0.365	0.852	0.737	1.294		

180-19613-C-14-T PDS

4/1/2013 6:13:28 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	18:14:11	57.535%	53.310	1105.000	1098.000	0.000	132000.000	119200.000	119600.000
2	18:14:54	58.022%	51.590	1088.000	1080.000	0.000	129900.000	118600.000	118900.000
3	18:15:37	56.845%	51.680	1103.000	1105.000	0.000	131200.000	119900.000	119400.000
X		57.467%	52.190	1099.000	1095.000	0.000	131000.000	119200.000	119300.000
σ		0.592%	0.968	9.226	12.920	0.000	1075.000	669.300	326.400
%RSD		1.030	1.854	0.840	1.180	0.000	0.820	0.561	0.274
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:14:11	146900.000	16280.000	0.000	75840.000	963600.000	978000.000	70.809%	4629.000
2	18:14:54	146600.000	15980.000	0.000	75980.000	968200.000	983700.000	70.256%	4637.000
3	18:15:37	147600.000	15920.000	0.000	75990.000	967000.000	984200.000	69.974%	4637.000
X		147100.000	16060.000	0.000	75940.000	966300.000	982000.000	70.346%	4634.000
σ		517.200	191.600	0.000	83.960	2383.000	3465.000	0.425%	4.590
%RSD		0.352	1.193	0.000	0.111	0.247	0.353	0.604	0.099
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:14:11	784.900	942.600	8536.000	266800.000	274000.000	561.200	704.600	740.400
2	18:14:54	789.100	949.300	8579.000	267100.000	274000.000	560.700	708.200	745.000
3	18:15:37	787.500	950.000	8581.000	267200.000	274900.000	560.100	702.900	743.300
X		787.200	947.300	8566.000	267000.000	274300.000	560.700	705.200	742.900
σ		2.155	4.083	25.810	197.300	515.400	0.527	2.706	2.345
%RSD		0.274	0.431	0.301	0.074	0.188	0.094	0.384	0.316
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:14:11	754.900	1624.000	1643.000	160.600	16.060	18.090	0.000	3546.000
2	18:14:54	756.800	1635.000	1670.000	160.600	16.190	18.890	0.000	3581.000
3	18:15:37	746.300	1638.000	1653.000	161.800	15.560	19.340	0.000	3594.000
X		752.700	1632.000	1655.000	161.000	15.940	18.770	0.000	3574.000
σ		5.599	7.511	13.560	0.700	0.329	0.635	0.000	24.730
%RSD		0.744	0.460	0.819	0.435	2.063	3.380	0.000	0.692
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:14:11	0.000	1170.000	1182.000	60.015%	57.270	56.350	48.130	40.890
2	18:14:54	0.000	1191.000	1205.000	59.694%	57.790	56.110	48.340	40.740
3	18:15:37	0.000	1192.000	1201.000	59.648%	57.970	56.600	47.820	41.770
X		0.000	1184.000	1196.000	59.786%	57.680	56.350	48.100	41.130
σ		0.000	12.290	11.990	0.200%	0.367	0.243	0.259	0.558
%RSD		0.000	1.038	1.002	0.335	0.637	0.430	0.539	1.356
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:14:11	70.377%	1906.000	416.600	413.300	3525.000	3653.000	79.225%	78.518%
2	18:14:54	72.311%	1897.000	419.100	419.000	3235.000	3604.000	81.509%	80.064%
3	18:15:37	72.447%	1886.000	424.000	423.000	3255.000	3651.000	81.364%	80.263%
X		71.711%	1896.000	419.900	418.400	3338.000	3636.000	80.699%	79.615%
σ		1.158%	9.899	3.758	4.863	162.400	27.550	1.279%	0.956%
%RSD		1.615	0.522	0.895	1.162	4.865	0.758	1.585	1.200
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	18:14:11	48.260	48.920	619.000	618.800	613.300	65.773%		
2	18:14:54	48.900	49.520	623.800	624.500	616.700	66.795%		
3	18:15:37	48.960	49.700	627.300	628.300	620.100	67.070%		
X		48.710	49.380	623.400	623.900	616.700	66.546%		
σ		0.391	0.410	4.173	4.781	3.422	0.683%		
%RSD		0.802	0.830	0.669	0.766	0.555	1.027		

180-19613-D-15-H 4/1/2013 6:18:16 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	18:18:59	58.912%	6.826	266.100	264.400	0.000	80640.000	71090.000	71800.000
2	18:19:42	58.865%	7.349	263.500	262.900	0.000	81140.000	71890.000	72060.000
3	18:20:25	60.411%	6.566	254.300	254.500	0.000	79380.000	70490.000	70560.000
X		59.396%	6.914	261.300	260.600	0.000	80390.000	71160.000	71470.000
σ		0.880%	0.399	6.169	5.346	0.000	909.100	701.500	799.000
%RSD		1.481	5.769	2.361	2.052	0.000	1.131	0.986	1.118
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:18:59	135500.000	8429.000	0.000	29790.000	644800.000	675900.000	75.349%	3577.000
2	18:19:42	135800.000	8448.000	0.000	29930.000	647700.000	679100.000	75.935%	3592.000
3	18:20:25	132600.000	8245.000	0.000	29590.000	645000.000	674700.000	76.169%	3558.000
X		134600.000	8374.000	0.000	29770.000	645800.000	676500.000	75.818%	3576.000
σ		1757.000	112.200	0.000	170.500	1629.000	2258.000	0.423%	17.170
%RSD		1.305	1.339	0.000	0.573	0.252	0.334	0.557	0.480
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:18:59	306.100	698.900	7860.000	260400.000	267300.000	86.800	241.000	593.800
2	18:19:42	306.300	703.600	7916.000	261200.000	267600.000	87.430	242.100	600.800
3	18:20:25	302.900	698.300	7917.000	260600.000	266000.000	86.940	240.000	596.800
X		305.100	700.300	7898.000	260800.000	267000.000	87.060	241.000	597.200
σ		1.880	2.898	32.730	402.400	898.900	0.330	1.047	3.501
%RSD		0.616	0.414	0.414	0.154	0.337	0.379	0.435	0.586
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:18:59	603.400	1294.000	1311.000	116.400	7.058	9.876	0.000	1859.000
2	18:19:42	607.900	1306.000	1332.000	118.100	6.926	9.914	0.000	1872.000
3	18:20:25	609.100	1329.000	1336.000	117.000	6.865	10.110	0.000	1880.000
X		606.800	1310.000	1326.000	117.100	6.950	9.965	0.000	1870.000
σ		3.014	17.470	13.790	0.860	0.098	0.123	0.000	10.610
%RSD		0.497	1.334	1.040	0.734	1.417	1.234	0.000	0.567
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:18:59	0.000	16.750	16.860	68.708%	18.480	18.360	6.195	5.652
2	18:19:42	0.000	16.430	16.440	69.333%	18.690	18.350	6.189	5.473
3	18:20:25	0.000	15.490	15.650	69.544%	18.790	18.420	6.022	5.582
X		0.000	16.230	16.320	69.195%	18.660	18.380	6.135	5.569
σ		0.000	0.653	0.614	0.435%	0.158	0.041	0.098	0.090
%RSD		0.000	4.023	3.765	0.629	0.847	0.223	1.600	1.618
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:18:59	73.309%	45.530	4.941	4.951	1424.000	1410.000	82.262%	81.262%
2	18:19:42	74.643%	45.400	3.764	3.888	1430.000	1420.000	84.719%	83.800%
3	18:20:25	75.589%	44.530	3.088	2.938	1420.000	1404.000	85.113%	84.469%
X		74.514%	45.150	3.931	3.926	1425.000	1411.000	84.031%	83.177%
σ		1.145%	0.543	0.938	1.007	5.132	8.120	1.545%	1.692%
%RSD		1.537	1.204	23.860	25.650	0.360	0.575	1.839	2.034
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	18:18:59	1.279	1.243	732.800	730.900	737.800	70.138%		
2	18:19:42	1.268	1.269	731.800	735.900	734.200	72.859%		
3	18:20:25	1.273	1.264	737.200	737.400	737.400	72.773%		
X		1.273	1.258	734.000	734.800	736.400	71.923%		
σ		0.005	0.014	2.871	3.387	1.948	1.547%		
%RSD		0.421	1.113	0.391	0.461	0.265	2.151		

MB 180-67746/1-A

4/1/2013 6:27:54 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	18:28:37	75.570%	-0.009	11.170	11.170	0.000	34.720	-0.024	-0.003
2	18:29:20	75.746%	0.026	10.150	10.000	0.000	32.740	-0.023	0.067
3	18:30:03	74.936%	-0.002	10.810	10.010	0.000	32.160	1.084	1.188
X		75.417%	0.005	10.710	10.390	0.000	33.200	0.346	0.417
σ		0.426%	0.019	0.518	0.673	0.000	1.346	0.639	0.668
%RSD		0.565	369.000	4.838	6.474	0.000	4.053	184.800	160.200
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:28:37	1.996	6.220	0.000	76.990	1.177	2.784	80.262%	0.311
2	18:29:20	1.683	9.768	0.000	67.870	5.396	4.344	79.682%	0.257
3	18:30:03	2.972	10.880	0.000	60.820	7.593	13.800	78.858%	0.375
X		2.217	8.958	0.000	68.560	4.722	6.977	79.601%	0.314
σ		0.673	2.436	0.000	8.104	3.261	5.962	0.706%	0.059
%RSD		30.340	27.190	0.000	11.820	69.050	85.460	0.887	18.700
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:28:37	0.049	0.033	-0.019	6.980	3.307	-0.008	0.013	0.979
2	18:29:20	0.059	0.060	-0.023	5.773	2.243	-0.009	0.007	0.952
3	18:30:03	-0.221	0.035	0.100	8.747	5.557	-0.005	0.021	0.932
X		-0.038	0.043	0.019	7.167	3.702	-0.007	0.014	0.954
σ		0.159	0.015	0.070	1.496	1.692	0.002	0.007	0.024
%RSD		423.800	34.740	358.500	20.870	45.700	28.670	50.540	2.478
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:28:37	0.156	0.451	0.560	0.378	2.686	0.771	0.000	0.010
2	18:29:20	0.105	0.446	0.480	0.165	2.125	0.484	0.000	0.010
3	18:30:03	0.189	0.362	0.581	0.018	2.106	0.063	0.000	0.036
X		0.150	0.420	0.541	0.187	2.306	0.440	0.000	0.019
σ		0.042	0.050	0.053	0.181	0.329	0.356	0.000	0.015
%RSD		28.160	11.860	9.859	96.920	14.280	81.050	0.000	81.830
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:28:37	80.385%	0.137	0.076	88.458%	0.007	0.012	-0.026	-0.027
2	18:29:20	81.439%	0.147	0.045	88.135%	0.010	0.012	-0.049	-0.040
3	18:30:03	80.677%	0.073	0.057	87.518%	0.007	0.011	-0.045	-0.032
X		80.834%	0.119	0.059	88.037%	0.008	0.011	-0.040	-0.033
σ		0.544%	0.040	0.016	0.477%	0.002	0.001	0.012	0.007
%RSD		0.673	33.720	26.860	0.542	19.520	5.984	30.720	19.800
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:28:37	79.562%	1.328	0.352	0.399	-0.005	-0.017	81.102%	81.374%
2	18:29:20	80.569%	1.304	0.350	0.339	-0.005	-0.013	82.297%	81.854%
3	18:30:03	80.080%	1.169	0.361	0.347	0.055	0.016	82.492%	82.748%
X		80.070%	1.267	0.354	0.362	0.015	-0.005	81.964%	81.992%
σ		0.504%	0.086	0.006	0.032	0.034	0.018	0.753%	0.698%
%RSD		0.629	6.762	1.619	8.968	226.900	392.100	0.918	0.851
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	18:28:37	-0.005	-0.005	-0.007	-0.003	-0.002	92.459%		
2	18:29:20	-0.006	-0.005	-0.004	-0.003	-0.006	94.235%		
3	18:30:03	-0.004	-0.006	-0.004	0.002	0.000	94.544%		
X		-0.005	-0.005	-0.005	-0.001	-0.003	93.746%		
σ		0.001	0.001	0.002	0.003	0.003	1.125%		
%RSD		18.740	9.863	41.300	230.200	134.300	1.200		

CCV 781130 4/1/2013 6:32:42 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	18:33:26	69.159%	104.600	102.000	99.690	0.000	49300.000	49680.000	50110.000
2	18:34:08	69.497%	104.800	101.900	99.160	0.000	48750.000	49320.000	49830.000
3	18:34:51	70.684%	102.700	102.600	100.800	0.000	49110.000	49680.000	49980.000
x		69.780%	104.044%	102.153%	99.874%	0.000	98.100%	99.122%	99.946%
σ		0.801%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.147	1.102	0.355	0.827	0.000	0.566	0.428	0.285
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:33:26	492.500	5199.000	0.000	50580.000	46760.000	49590.000	72.728%	97.180
2	18:34:08	492.100	5129.000	0.000	50220.000	47290.000	49340.000	74.321%	94.330
3	18:34:51	494.400	5106.000	0.000	50050.000	46840.000	49500.000	75.904%	94.120
x		98.606%	102.893%	0.000	100.568%	93.926%	98.958%	74.318%	95.214%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.588%	n/a
%RSD		0.247	0.938	0.000	0.541	0.601	0.257	2.137	1.796
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:33:26	95.450	96.340	487.100	25670.000	25030.000	95.650	98.030	98.320
2	18:34:08	94.770	95.560	486.400	25260.000	24740.000	95.780	96.320	97.240
3	18:34:51	94.340	94.450	488.200	25300.000	24990.000	95.440	96.430	98.300
x		94.854%	95.452%	97.449%	101.632%	99.676%	95.624%	96.923%	97.953%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.594	0.993	0.184	0.890	0.630	0.179	0.987	0.627
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:33:26	99.740	103.500	103.900	99.830	100.600	99.300	0.000	94.470
2	18:34:08	98.500	102.600	102.100	98.320	99.290	97.780	0.000	93.850
3	18:34:51	98.990	103.100	102.600	97.750	100.500	97.810	0.000	95.050
x		99.076%	103.045%	102.861%	98.635%	100.100%	98.299%	0.000	94.457%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.630	0.411	0.869	1.087	0.704	0.882	0.000	0.634
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:33:26	73.440%	95.210	95.840	71.633%	94.140	95.980	96.840	99.410
2	18:34:08	75.956%	95.930	96.920	73.912%	93.950	95.600	97.730	98.790
3	18:34:51	77.360%	98.540	98.570	74.396%	94.770	95.830	96.910	98.480
x		75.586%	96.560%	97.111%	73.313%	94.288%	95.802%	97.157%	98.894%
σ		1.986%	n/a	n/a	1.475%	n/a	n/a	n/a	n/a
%RSD		2.628	1.814	1.414	2.012	0.459	0.201	0.510	0.481
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:33:26	68.621%	98.380	97.550	96.940	99.960	98.460	76.003%	76.089%
2	18:34:08	71.338%	98.440	97.710	97.550	98.010	96.550	79.108%	79.436%
3	18:34:51	72.837%	99.200	97.980	98.370	98.530	98.680	81.112%	81.186%
x		70.932%	98.670%	97.747%	97.617%	98.832%	97.895%	78.741%	78.904%
σ		2.137%	n/a	n/a	n/a	n/a	n/a	2.574%	2.590%
%RSD		3.013	0.464	0.224	0.734	1.023	1.192	3.269	3.283
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	18:33:26	93.020	94.060	94.250	94.030	94.320	68.162%		
2	18:34:08	93.870	94.920	95.420	94.950	95.010	70.974%		
3	18:34:51	94.780	94.500	94.870	95.270	95.560	72.536%		
x		93.889%	94.493%	94.846%	94.751%	94.964%	70.557%		
σ		n/a	n/a	n/a	n/a	n/a	2.217%		
%RSD		0.936	0.452	0.619	0.677	0.657	3.142		

CCB4 4/1/2013 6:37:33 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	18:38:16	101.708%	0.024	4.620	4.889	0.000	36.280	14.760	13.760
2	18:38:59	101.166%	0.030	4.425	4.727	0.000	36.350	17.100	17.540
3	18:39:42	102.028%	0.045	4.254	4.682	0.000	33.470	17.020	17.610
X		101.634%	0.033	4.433	4.766	0.000	35.370	16.290	16.300
σ		0.436%	0.011	0.183	0.109	0.000	1.641	1.330	2.200
%RSD		0.429	32.690	4.131	2.279	0.000	4.640	8.162	13.500
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:38:16	4.919	1.913	0.000	51.170	27.660	21.670	98.422%	0.164
2	18:38:59	5.848	2.647	0.000	48.310	19.270	27.350	98.110%	0.193
3	18:39:42	5.618	8.676	0.000	40.880	19.090	27.250	98.912%	0.200
X		5.462	4.412	0.000	46.790	22.010	25.420	98.481%	0.186
σ		0.483	3.711	0.000	5.311	4.894	3.252	0.404%	0.019
%RSD		8.852	84.110	0.000	11.350	22.240	12.790	0.410	10.130
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:38:16	0.066	0.177	0.423	11.410	16.760	0.036	0.085	1.169
2	18:38:59	-0.034	0.155	0.469	13.580	19.280	0.034	0.105	1.183
3	18:39:42	-0.098	0.161	0.485	12.430	17.430	0.030	0.079	1.173
X		-0.022	0.164	0.459	12.470	17.820	0.033	0.090	1.175
σ		0.082	0.012	0.032	1.088	1.306	0.003	0.014	0.007
%RSD		375.600	7.041	6.935	8.721	7.330	9.420	15.180	0.618
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:38:16	0.260	0.587	0.677	0.130	2.495	0.365	0.000	0.084
2	18:38:59	0.240	0.652	0.600	0.143	2.014	0.148	0.000	0.087
3	18:39:42	0.200	0.567	0.666	0.167	1.773	0.252	0.000	0.105
X		0.233	0.602	0.648	0.146	2.094	0.255	0.000	0.092
σ		0.030	0.044	0.041	0.019	0.368	0.108	0.000	0.011
%RSD		12.960	7.313	6.399	12.960	17.550	42.500	0.000	12.340
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:38:16	83.101%	0.671	0.597	99.043%	0.032	0.043	0.008	0.024
2	18:38:59	84.283%	0.561	0.462	99.636%	0.033	0.032	-0.025	0.002
3	18:39:42	84.047%	0.426	0.334	98.951%	0.032	0.036	-0.006	-0.001
X		83.810%	0.553	0.464	99.210%	0.032	0.037	-0.007	0.008
σ		0.626%	0.123	0.132	0.372%	0.001	0.006	0.017	0.013
%RSD		0.746	22.180	28.360	0.375	2.500	15.070	224.700	160.000
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:38:16	82.440%	0.800	0.182	0.200	0.159	0.162	87.345%	87.171%
2	18:38:59	83.844%	0.815	0.155	0.171	0.186	0.146	88.692%	89.327%
3	18:39:42	84.137%	0.779	0.160	0.178	0.151	0.208	89.724%	90.104%
X		83.474%	0.798	0.166	0.183	0.165	0.172	88.587%	88.867%
σ		0.907%	0.018	0.014	0.015	0.018	0.032	1.193%	1.519%
%RSD		1.086	2.238	8.634	8.103	11.140	18.560	1.347	1.710
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	18:38:16	0.018	0.021	0.110	0.097	0.106	104.990%		
2	18:38:59	0.020	0.017	0.116	0.113	0.110	104.955%		
3	18:39:42	0.013	0.014	0.102	0.111	0.100	107.803%		
X		0.017	0.018	0.109	0.107	0.105	105.916%		
σ		0.004	0.003	0.007	0.009	0.005	1.635%		
%RSD		22.030	19.220	6.614	8.478	4.910	1.543		

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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	18:43:06	65.949%	45.200	880.900	911.200	0.000	45340.000	45410.000	45110.000
2	18:43:49	67.635%	43.650	887.200	918.500	0.000	44760.000	44760.000	44470.000
3	18:44:32	66.360%	44.910	917.300	944.900	0.000	44990.000	44700.000	44740.000
X		66.648%	44.590	895.100	924.800	0.000	45030.000	44960.000	44770.000
σ		0.879%	0.820	19.460	17.720	0.000	292.600	395.800	321.200
%RSD		1.319	1.839	2.174	1.916	0.000	0.650	0.880	0.718
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:43:06	1713.000	8518.000	0.000	46850.000	44870.000	46620.000	58.522%	898.700
2	18:43:49	1692.000	8299.000	0.000	45610.000	45080.000	46470.000	59.351%	891.700
3	18:44:32	1687.000	8298.000	0.000	46070.000	45380.000	46660.000	58.413%	906.600
X		1698.000	8372.000	0.000	46180.000	45110.000	46580.000	58.762%	899.000
σ		13.780	126.800	0.000	623.400	258.700	101.800	0.513%	7.462
%RSD		0.812	1.515	0.000	1.350	0.574	0.219	0.873	0.830
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:43:06	458.700	182.100	476.800	947.900	1038.000	442.400	438.700	222.500
2	18:43:49	457.500	179.300	475.200	940.300	1032.000	442.100	437.200	220.000
3	18:44:32	456.400	179.500	477.700	941.000	1031.000	435.800	432.500	218.400
X		457.500	180.300	476.600	943.100	1034.000	440.100	436.100	220.300
σ		1.143	1.541	1.247	4.238	4.271	3.733	3.231	2.071
%RSD		0.250	0.855	0.262	0.449	0.413	0.848	0.741	0.940
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:43:06	222.300	449.600	455.900	35.380	14.390	9.357	0.000	933.200
2	18:43:49	219.500	454.300	452.900	35.860	12.960	10.120	0.000	926.600
3	18:44:32	219.800	453.200	452.800	34.630	11.500	9.720	0.000	922.300
X		220.500	452.400	453.800	35.290	12.950	9.733	0.000	927.400
σ		1.575	2.487	1.756	0.618	1.448	0.383	0.000	5.488
%RSD		0.714	0.550	0.387	1.751	11.180	3.937	0.000	0.592
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:43:06	61.594%	921.300	935.600	58.080%	45.470	46.190	47.430	40.790
2	18:43:49	62.380%	937.800	954.200	57.483%	46.520	46.760	47.160	42.770
3	18:44:32	62.152%	930.200	951.700	57.217%	46.450	46.240	47.340	41.710
X		62.042%	929.800	947.200	57.594%	46.150	46.400	47.310	41.760
σ		0.404%	8.259	10.100	0.442%	0.586	0.319	0.136	0.994
%RSD		0.651	0.888	1.066	0.768	1.269	0.687	0.287	2.380
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:43:06	61.428%	1884.000	452.100	448.100	1813.000	1790.000	69.587%	69.844%
2	18:43:49	62.585%	1814.000	456.000	453.600	1810.000	1801.000	70.876%	71.588%
3	18:44:32	62.300%	1853.000	451.000	453.000	1799.000	1789.000	70.951%	71.522%
X		62.104%	1851.000	453.000	451.600	1807.000	1793.000	70.472%	70.985%
σ		0.603%	34.930	2.608	3.028	7.196	6.646	0.767%	0.988%
%RSD		0.970	1.887	0.576	0.671	0.398	0.371	1.088	1.392
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	18:43:06	39.480	39.530	15.750	17.050	16.350	71.442%		
2	18:43:49	40.600	40.440	16.010	17.350	16.560	72.783%		
3	18:44:32	40.640	40.600	15.980	17.330	16.600	73.006%		
X		40.240	40.190	15.910	17.240	16.500	72.410%		
σ		0.656	0.578	0.143	0.166	0.133	0.846%		
%RSD		1.631	1.439	0.901	0.961	0.806	1.168		

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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	18:47:55	65.153%	44.390	925.800	956.200	0.000	45690.000	45770.000	45360.000
2	18:48:38	66.691%	44.000	934.700	967.100	0.000	45700.000	45590.000	45310.000
3	18:49:21	67.179%	44.810	930.600	953.900	0.000	45090.000	45010.000	44440.000
X		66.341%	44.400	930.400	959.100	0.000	45490.000	45460.000	45030.000
σ		1.057%	0.405	4.419	7.019	0.000	350.200	399.200	516.400
%RSD		1.593	0.912	0.475	0.732	0.000	0.770	0.878	1.147
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:47:55	1703.000	8533.000	0.000	46310.000	45180.000	47070.000	56.517%	905.500
2	18:48:38	1727.000	8493.000	0.000	46630.000	45740.000	47560.000	56.795%	917.700
3	18:49:21	1679.000	8325.000	0.000	45960.000	45350.000	46900.000	56.514%	907.400
X		1703.000	8450.000	0.000	46300.000	45420.000	47180.000	56.608%	910.200
σ		24.190	110.600	0.000	335.000	285.100	341.400	0.161%	6.539
%RSD		1.421	1.309	0.000	0.724	0.628	0.724	0.285	0.718
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:47:55	461.100	184.200	482.400	957.700	1048.000	452.000	450.200	227.100
2	18:48:38	461.700	184.700	486.300	961.700	1060.000	450.100	446.400	226.800
3	18:49:21	461.700	182.500	481.900	949.700	1033.000	445.900	443.100	223.100
X		461.500	183.800	483.500	956.400	1047.000	449.300	446.600	225.700
σ		0.352	1.155	2.389	6.108	13.400	3.101	3.557	2.223
%RSD		0.076	0.628	0.494	0.639	1.280	0.690	0.796	0.985
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:47:55	227.300	457.400	461.900	35.940	10.720	9.888	0.000	946.500
2	18:48:38	225.400	463.000	461.000	34.300	10.680	9.434	0.000	934.700
3	18:49:21	224.400	459.900	462.200	35.240	10.500	9.985	0.000	930.700
X		225.700	460.100	461.700	35.160	10.630	9.769	0.000	937.300
σ		1.462	2.809	0.589	0.826	0.117	0.294	0.000	8.245
%RSD		0.648	0.611	0.128	2.349	1.095	3.011	0.000	0.880
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:47:55	58.705%	939.000	950.700	55.871%	46.430	46.740	48.630	43.260
2	18:48:38	59.877%	943.900	960.300	56.562%	46.690	46.870	48.720	43.480
3	18:49:21	59.963%	938.100	948.700	57.339%	45.800	46.270	47.450	43.650
X		59.515%	940.300	953.200	56.591%	46.310	46.630	48.270	43.460
σ		0.703%	3.106	6.210	0.734%	0.460	0.313	0.707	0.197
%RSD		1.181	0.330	0.651	1.297	0.993	0.671	1.465	0.453
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:47:55	58.935%	1834.000	461.400	460.600	1821.000	1812.000	67.054%	67.439%
2	18:48:38	60.386%	1844.000	461.900	460.600	1832.000	1822.000	68.308%	69.227%
3	18:49:21	60.197%	1837.000	459.300	457.900	1823.000	1812.000	68.990%	69.624%
X		59.839%	1838.000	460.900	459.700	1826.000	1816.000	68.118%	68.763%
σ		0.789%	5.485	1.379	1.601	6.018	5.980	0.982%	1.164%
%RSD		1.319	0.298	0.299	0.348	0.330	0.329	1.441	1.692
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	18:47:55	40.280	40.560	16.170	17.840	16.840	69.407%		
2	18:48:38	41.730	41.570	16.550	18.020	17.160	70.382%		
3	18:49:21	40.640	40.740	16.300	17.810	16.870	71.302%		
X		40.880	40.960	16.340	17.890	16.960	70.364%		
σ		0.753	0.537	0.194	0.113	0.177	0.948%		
%RSD		1.843	1.312	1.184	0.630	1.041	1.347		

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4/1/2013 6:55:25 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	18:56:08	56.755%	0.024	91.760	97.630	0.000	216100.000	129.000	126.500
2	18:56:51	56.316%	0.025	95.460	100.100	0.000	218300.000	132.300	128.300
3	18:57:34	56.403%	0.034	94.720	98.460	0.000	211600.000	124.800	126.000
X		56.492%	0.028	93.980	98.720	0.000	215300.000	128.700	126.900
σ		0.232%	0.006	1.958	1.250	0.000	3393.000	3.734	1.220
%RSD		0.411	20.320	2.083	1.266	0.000	1.576	2.901	0.961
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:56:08	16.660	499.900	0.000	53540.000	301000.000	321700.000	54.846%	1.148
2	18:56:51	17.570	503.800	0.000	54780.000	310400.000	333900.000	52.255%	1.327
3	18:57:34	16.300	485.000	0.000	52400.000	298000.000	319500.000	52.820%	1.262
X		16.840	496.300	0.000	53570.000	303100.000	325000.000	53.307%	1.246
σ		0.658	9.949	0.000	1187.000	6432.000	7742.000	1.362%	0.090
%RSD		3.905	2.005	0.000	2.215	2.122	2.382	2.556	7.259
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:56:08	0.159	2.375	5.449	32.560	534.500	3.114	0.627	13.110
2	18:56:51	-0.270	2.275	5.763	33.500	522.900	3.066	0.614	13.170
3	18:57:34	0.395	2.216	5.414	30.370	500.700	2.950	0.557	12.330
X		0.094	2.289	5.542	32.150	519.400	3.043	0.600	12.870
σ		0.337	0.080	0.192	1.606	17.160	0.084	0.037	0.469
%RSD		357.200	3.517	3.464	4.996	3.305	2.773	6.205	3.646
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:56:08	9.118	3.010	2.807	2.250	3.692	8.267	0.000	14200.000
2	18:56:51	9.481	3.317	3.425	2.148	3.801	8.659	0.000	14730.000
3	18:57:34	8.696	3.227	3.314	2.874	3.631	8.334	0.000	14310.000
X		9.098	3.185	3.182	2.424	3.708	8.420	0.000	14410.000
σ		0.393	0.158	0.329	0.393	0.086	0.210	0.000	276.600
%RSD		4.319	4.950	10.350	16.210	2.321	2.493	0.000	1.919
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:56:08	58.775%	30.590	31.150	53.927%	0.014	0.012	-0.036	-0.038
2	18:56:51	57.085%	31.290	32.450	52.384%	0.013	0.014	-0.049	-0.108
3	18:57:34	56.798%	30.980	31.140	52.718%	0.021	0.006	-0.018	0.006
X		57.553%	30.950	31.580	53.010%	0.016	0.011	-0.034	-0.046
σ		1.068%	0.350	0.754	0.812%	0.004	0.004	0.015	0.058
%RSD		1.855	1.132	2.387	1.531	26.400	37.980	44.790	124.300
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:56:08	58.094%	10.980	0.459	0.585	34.610	35.020	65.064%	65.764%
2	18:56:51	56.438%	10.490	0.444	0.581	35.650	35.740	65.002%	65.437%
3	18:57:34	56.992%	9.166	0.416	0.625	35.660	34.560	65.472%	66.349%
X		57.175%	10.210	0.440	0.597	35.310	35.110	65.180%	65.850%
σ		0.843%	0.936	0.021	0.024	0.602	0.592	0.255%	0.462%
%RSD		1.475	9.169	4.882	4.044	1.705	1.687	0.392	0.702
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	18:56:08	0.366	0.375	0.268	0.299	0.296	66.490%		
2	18:56:51	0.403	0.398	0.352	0.344	0.340	63.945%		
3	18:57:34	0.385	0.361	0.323	0.343	0.321	65.152%		
X		0.385	0.378	0.314	0.329	0.319	65.196%		
σ		0.018	0.018	0.043	0.026	0.022	1.273%		
%RSD		4.768	4.864	13.580	7.839	6.943	1.953		

180-19816-A-1-I SD@5 4/1/2013 7:00:15 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	19:00:58	62.849%	-0.006	24.100	26.290	0.000	41620.000	25.930	25.960
2	19:01:41	62.594%	0.020	25.500	25.180	0.000	41240.000	25.850	25.770
3	19:02:24	61.554%	0.029	23.920	24.780	0.000	41380.000	26.640	26.670
X		62.332%	0.014	24.510	25.420	0.000	41410.000	26.140	26.130
σ		0.686%	0.018	0.867	0.783	0.000	193.500	0.437	0.475
%RSD		1.101	128.100	3.538	3.082	0.000	0.467	1.671	1.819
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:00:58	3.273	103.000	0.000	10560.000	58840.000	62390.000	59.773%	0.254
2	19:01:41	3.558	102.100	0.000	10440.000	58620.000	61890.000	59.837%	0.208
3	19:02:24	3.912	104.800	0.000	10480.000	58980.000	62240.000	59.127%	0.257
X		3.581	103.300	0.000	10490.000	58810.000	62170.000	59.579%	0.239
σ		0.320	1.351	0.000	58.900	183.000	253.600	0.393%	0.027
%RSD		8.932	1.308	0.000	0.561	0.311	0.408	0.659	11.390
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:00:58	0.177	0.468	1.050	6.727	123.700	0.618	0.325	4.738
2	19:01:41	-0.389	0.487	1.029	6.036	118.300	0.612	0.194	4.508
3	19:02:24	0.112	0.457	1.143	6.294	115.800	0.615	0.200	4.369
X		-0.033	0.471	1.074	6.352	119.300	0.615	0.239	4.538
σ		0.309	0.015	0.061	0.349	4.075	0.003	0.074	0.186
%RSD		923.800	3.230	5.649	5.498	3.417	0.465	30.900	4.101
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:00:58	1.835	1.732	2.128	0.688	1.735	2.062	0.000	2850.000
2	19:01:41	2.006	1.703	1.827	0.608	1.284	1.988	0.000	2839.000
3	19:02:24	1.925	1.834	2.029	0.413	1.294	1.691	0.000	2847.000
X		1.922	1.756	1.995	0.570	1.437	1.913	0.000	2845.000
σ		0.086	0.069	0.153	0.141	0.258	0.196	0.000	5.448
%RSD		4.460	3.940	7.672	24.860	17.910	10.270	0.000	0.192
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:00:58	59.949%	5.709	6.032	58.629%	0.007	0.004	0.011	0.021
2	19:01:41	60.475%	5.744	5.606	62.777%	0.004	0.003	-0.028	0.002
3	19:02:24	60.514%	5.549	5.912	58.805%	-0.000	0.002	-0.076	-0.061
X		60.313%	5.667	5.850	60.070%	0.003	0.003	-0.031	-0.013
σ		0.316%	0.104	0.220	2.346%	0.004	0.001	0.043	0.043
%RSD		0.523	1.835	3.761	3.905	100.500	29.360	138.800	340.500
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:00:58	59.906%	0.937	0.070	0.087	7.123	6.910	64.600%	65.603%
2	19:01:41	61.036%	1.048	0.090	0.079	6.874	6.801	66.709%	67.389%
3	19:02:24	61.021%	1.059	0.070	0.107	6.980	6.846	67.202%	67.413%
X		60.654%	1.015	0.077	0.091	6.992	6.852	66.171%	66.801%
σ		0.648%	0.068	0.012	0.014	0.125	0.055	1.382%	1.038%
%RSD		1.068	6.657	15.450	15.440	1.791	0.803	2.088	1.554
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	19:00:58	0.106	0.107	0.045	0.022	0.032	71.554%		
2	19:01:41	0.090	0.095	0.035	0.032	0.033	73.035%		
3	19:02:24	0.090	0.088	0.033	0.037	0.037	73.697%		
X		0.095	0.097	0.038	0.030	0.034	72.762%		
σ		0.009	0.010	0.006	0.007	0.003	1.097%		
%RSD		9.575	9.984	16.880	23.990	9.076	1.508		

180-19816-A-4-I@10

4/1/2013 7:05:06 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	19:05:48	54.865%	0.035	189.500	194.600	0.000	211900.000	5193.000	5212.000
2	19:06:31	56.231%	0.015	185.900	191.600	0.000	206700.000	5100.000	5115.000
3	19:07:14	57.293%	-0.023	180.900	188.800	0.000	205300.000	5060.000	5097.000
X		56.130%	0.009	185.500	191.700	0.000	208000.000	5118.000	5141.000
σ		1.217%	0.030	4.309	2.909	0.000	3453.000	67.940	61.810
%RSD		2.169	333.800	2.324	1.518	0.000	1.661	1.327	1.202
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:05:48	0.440	132.100	0.000	2535.000	55760.000	57380.000	58.261%	0.354
2	19:06:31	0.571	135.300	0.000	2452.000	54150.000	55300.000	59.009%	0.363
3	19:07:14	0.713	131.200	0.000	2477.000	54730.000	53980.000	59.237%	0.377
X		0.575	132.900	0.000	2488.000	54880.000	55550.000	58.836%	0.365
σ		0.137	2.158	0.000	42.530	816.600	1711.000	0.511%	0.012
%RSD		23.770	1.624	0.000	1.709	1.488	3.080	0.868	3.222
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:05:48	-0.081	0.053	24.880	350.500	458.600	0.035	-0.186	3.478
2	19:06:31	0.035	0.048	24.140	339.300	444.700	0.051	-0.207	3.381
3	19:07:14	0.088	0.035	24.800	345.400	447.100	0.030	-0.205	3.232
X		0.014	0.045	24.610	345.100	450.100	0.039	-0.200	3.364
σ		0.087	0.009	0.410	5.581	7.432	0.011	0.011	0.124
%RSD		624.000	20.920	1.665	1.618	1.651	28.120	5.741	3.682
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:05:48	2.918	4.887	-4.593	1.640	0.654	6.803	0.000	11380.000
2	19:06:31	2.826	4.923	0.741	1.924	0.830	7.207	0.000	10970.000
3	19:07:14	2.953	5.083	-3.251	1.726	0.734	6.693	0.000	11140.000
X		2.899	4.964	-2.368	1.763	0.739	6.901	0.000	11170.000
σ		0.066	0.104	2.774	0.146	0.088	0.271	0.000	207.000
%RSD		2.259	2.098	117.200	8.258	11.920	3.924	0.000	1.853
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:05:48	60.177%	0.325	0.252	57.122%	0.001	0.004	0.048	0.030
2	19:06:31	62.839%	0.216	0.312	61.604%	0.003	-0.000	-0.027	-0.022
3	19:07:14	62.511%	0.314	0.245	59.271%	0.009	0.007	0.041	0.028
X		61.842%	0.285	0.270	59.332%	0.004	0.004	0.020	0.012
σ		1.452%	0.060	0.037	2.242%	0.004	0.004	0.042	0.029
%RSD		2.348	21.000	13.760	3.778	97.380	100.400	204.000	247.200
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:05:48	59.935%	0.397	0.100	0.156	17580.000	17690.000	65.824%	66.809%
2	19:06:31	61.985%	0.379	0.097	0.140	16970.000	16970.000	68.447%	69.511%
3	19:07:14	62.325%	0.386	0.105	0.104	17150.000	17240.000	69.060%	69.557%
X		61.415%	0.387	0.101	0.133	17240.000	17300.000	67.777%	68.626%
σ		1.293%	0.009	0.004	0.027	313.700	365.700	1.719%	1.574%
%RSD		2.105	2.411	3.851	20.010	1.820	2.114	2.536	2.293
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	19:05:48	0.050	0.050	-0.019	-0.028	-0.024	67.493%		
2	19:06:31	0.046	0.045	-0.024	-0.019	-0.023	70.858%		
3	19:07:14	0.048	0.046	-0.024	-0.020	-0.023	71.599%		
X		0.048	0.047	-0.022	-0.023	-0.023	69.984%		
σ		0.002	0.002	0.003	0.005	0.001	2.188%		
%RSD		3.810	5.211	13.130	22.570	2.150	3.127		

180-19816-A-2-I 4/1/2013 7:09:54 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	19:10:37	62.181%	0.021	57.420	61.610	0.000	46950.000	408.600	401.600
2	19:11:20	63.095%	0.003	59.630	60.520	0.000	46540.000	402.900	399.100
3	19:12:03	62.690%	0.012	60.280	60.840	0.000	46620.000	411.100	399.300
X		62.656%	0.012	59.110	60.990	0.000	46700.000	407.500	400.000
σ		0.458%	0.009	1.499	0.561	0.000	215.700	4.206	1.374
%RSD		0.731	77.030	2.536	0.920	0.000	0.462	1.032	0.344
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:10:37	1.719	184.900	0.000	5613.000	20390.000	20490.000	51.865%	0.698
2	19:11:20	1.587	180.500	0.000	5550.000	19890.000	20540.000	51.544%	0.737
3	19:12:03	1.605	177.100	0.000	5529.000	20110.000	20360.000	51.515%	0.754
X		1.637	180.900	0.000	5564.000	20130.000	20460.000	51.641%	0.730
σ		0.071	3.909	0.000	43.930	248.400	92.740	0.194%	0.029
%RSD		4.365	2.161	0.000	0.789	1.234	0.453	0.375	3.980
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:10:37	-0.607	0.360	9.321	3.612	37.310	0.175	0.609	3.269
2	19:11:20	0.363	0.248	9.141	2.383	34.230	0.181	0.378	3.374
3	19:12:03	-0.667	0.264	9.267	1.899	32.650	0.197	0.459	3.243
X		-0.304	0.291	9.243	2.631	34.730	0.184	0.482	3.295
σ		0.579	0.061	0.092	0.883	2.369	0.011	0.117	0.069
%RSD		190.500	20.800	0.999	33.580	6.821	6.107	24.380	2.098
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:10:37	0.959	6.746	6.707	1.072	1.527	1.084	0.000	2445.000
2	19:11:20	0.982	6.879	6.891	0.725	1.834	0.773	0.000	2445.000
3	19:12:03	0.888	6.303	6.137	0.558	1.687	1.330	0.000	2432.000
X		0.943	6.642	6.578	0.785	1.683	1.062	0.000	2441.000
σ		0.049	0.301	0.393	0.263	0.153	0.279	0.000	7.362
%RSD		5.151	4.535	5.975	33.450	9.102	26.300	0.000	0.302
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:10:37	54.786%	8.853	8.654	53.013%	-0.001	0.003	-0.030	-0.018
2	19:11:20	55.029%	8.869	9.047	53.242%	-0.000	0.004	-0.046	-0.047
3	19:12:03	55.599%	8.951	9.053	53.797%	0.006	0.003	-0.011	-0.020
X		55.138%	8.891	8.918	53.351%	0.002	0.004	-0.029	-0.028
σ		0.417%	0.053	0.229	0.403%	0.004	0.001	0.018	0.016
%RSD		0.757	0.594	2.563	0.756	229.700	15.480	60.830	57.170
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:10:37	55.319%	5.455	0.447	0.431	368.000	369.900	62.981%	63.752%
2	19:11:20	56.773%	5.311	0.413	0.443	370.400	368.500	64.592%	65.094%
3	19:12:03	57.374%	4.900	0.423	0.399	368.700	365.300	65.082%	65.858%
X		56.489%	5.222	0.428	0.424	369.100	367.900	64.218%	64.901%
σ		1.057%	0.288	0.017	0.022	1.242	2.358	1.099%	1.066%
%RSD		1.871	5.519	4.032	5.299	0.337	0.641	1.711	1.643
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	19:10:37	0.037	0.034	-0.002	-0.003	-0.004	69.330%		
2	19:11:20	0.034	0.027	0.004	-0.001	-0.002	71.564%		
3	19:12:03	0.030	0.031	-0.001	0.002	-0.003	72.245%		
X		0.034	0.031	-0.000	-0.001	-0.003	71.046%		
σ		0.003	0.003	0.003	0.003	0.001	1.525%		
%RSD		10.250	11.150	25740.000	433.900	41.700	2.146		

180-19816-A-3-C 4/1/2013 7:14:42 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	19:15:25	56.963%	0.015	16.940	16.310	0.000	95780.000	13610.000	13440.000
2	19:16:08	57.702%	0.014	14.930	15.240	0.000	95450.000	13630.000	13500.000
3	19:16:51	57.938%	-0.023	14.700	15.370	0.000	94820.000	13490.000	13390.000
X		57.534%	0.002	15.520	15.640	0.000	95350.000	13580.000	13440.000
σ		0.509%	0.022	1.232	0.586	0.000	484.200	76.730	53.910
%RSD		0.884	1090.000	7.937	3.744	0.000	0.508	0.565	0.401
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:15:25	1.712	319.700	0.000	21180.000	464400.000	498000.000	49.622%	1.491
2	19:16:08	2.228	315.500	0.000	21030.000	466700.000	501000.000	48.882%	1.495
3	19:16:51	1.838	309.700	0.000	20990.000	463000.000	498900.000	49.010%	0.960
X		1.926	315.000	0.000	21070.000	464700.000	499300.000	49.172%	1.315
σ		0.269	5.042	0.000	100.800	1837.000	1549.000	0.396%	0.308
%RSD		13.970	1.601	0.000	0.478	0.395	0.310	0.804	23.400
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:15:25	0.099	-0.049	10.570	11.390	796.500	0.278	-2.239	2.898
2	19:16:08	-0.133	-0.149	10.660	10.570	775.600	0.274	-2.191	2.629
3	19:16:51	0.095	-0.062	10.590	9.651	767.800	0.284	-2.227	2.446
X		0.020	-0.087	10.610	10.540	780.000	0.279	-2.219	2.658
σ		0.133	0.055	0.049	0.869	14.830	0.005	0.025	0.227
%RSD		659.300	62.830	0.459	8.249	1.902	1.819	1.116	8.547
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:15:25	1.541	0.817	1.103	5.664	0.966	17.210	0.000	7944.000
2	19:16:08	1.336	0.851	-0.262	4.908	1.086	15.340	0.000	7978.000
3	19:16:51	1.654	0.768	1.369	5.520	1.095	16.110	0.000	7950.000
X		1.510	0.812	0.737	5.364	1.049	16.220	0.000	7957.000
σ		0.161	0.042	0.875	0.401	0.072	0.939	0.000	18.130
%RSD		10.660	5.118	118.800	7.484	6.893	5.792	0.000	0.228
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:15:25	53.778%	32.780	34.750	48.873%	0.001	-0.001	-0.052	-0.067
2	19:16:08	53.522%	34.760	35.090	48.424%	0.003	0.005	-0.054	-0.073
3	19:16:51	53.415%	34.660	35.450	48.600%	-0.005	0.007	-0.045	-0.035
X		53.572%	34.070	35.100	48.632%	-0.001	0.004	-0.050	-0.058
σ		0.186%	1.115	0.346	0.226%	0.004	0.004	0.005	0.020
%RSD		0.348	3.274	0.987	0.465	608.200	118.000	9.360	34.710
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:15:25	53.527%	4.837	0.649	0.717	641.600	639.100	62.157%	62.584%
2	19:16:08	53.591%	4.944	0.662	0.722	657.500	652.000	62.715%	63.429%
3	19:16:51	53.411%	4.632	0.666	0.774	656.100	656.000	62.719%	63.334%
X		53.510%	4.804	0.659	0.738	651.700	649.000	62.531%	63.115%
σ		0.091%	0.159	0.009	0.032	8.793	8.812	0.324%	0.463%
%RSD		0.170	3.304	1.384	4.327	1.349	1.358	0.518	0.733
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	19:15:25	0.068	0.066	-0.031	-0.032	-0.031	62.587%		
2	19:16:08	0.081	0.067	-0.020	-0.033	-0.030	61.633%		
3	19:16:51	0.075	0.067	-0.037	-0.021	-0.030	62.112%		
X		0.074	0.067	-0.029	-0.029	-0.031	62.110%		
σ		0.007	0.000	0.009	0.007	0.001	0.477%		
%RSD		9.154	0.532	29.270	23.220	2.203	0.768		

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4/1/2013 7:23:37 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	19:24:20	88.119%	-0.005	2.244	2.426	0.000	22.990	-0.446	-0.319
2	19:25:03	88.265%	0.002	2.240	2.361	0.000	22.600	-0.385	-0.266
3	19:25:46	90.103%	-0.017	2.122	2.149	0.000	22.430	-0.387	-0.184
X		88.829%	-0.007	2.202	2.312	0.000	22.670	-0.406	-0.256
σ		1.106%	0.010	0.070	0.145	0.000	0.283	0.034	0.068
%RSD		1.245	142.200	3.162	6.257	0.000	1.250	8.480	26.460
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:24:20	-0.738	-3.119	0.000	-16.370	2.874	1.538	68.353%	0.071
2	19:25:03	-0.734	-2.692	0.000	-17.000	0.462	1.461	68.366%	0.005
3	19:25:46	-0.683	-2.320	0.000	-17.090	4.009	3.280	69.141%	0.004
X		-0.718	-2.711	0.000	-16.820	2.448	2.093	68.620%	0.027
σ		0.031	0.400	0.000	0.393	1.812	1.029	0.452%	0.038
%RSD		4.308	14.740	0.000	2.335	73.990	49.160	0.658	144.100
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:24:20	-0.125	0.005	-0.025	-10.010	-1.362	-0.008	-0.006	0.608
2	19:25:03	0.002	-0.008	-0.041	-11.510	-1.408	-0.008	0.010	0.688
3	19:25:46	0.008	-0.000	-0.045	-12.010	-2.192	-0.009	-0.010	0.642
X		-0.038	-0.001	-0.037	-11.180	-1.654	-0.008	-0.002	0.646
σ		0.075	0.007	0.011	1.039	0.467	0.001	0.011	0.040
%RSD		194.500	564.700	28.690	9.292	28.200	11.030	495.700	6.228
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:24:20	-0.001	0.028	0.130	-0.236	-0.425	-0.275	0.000	0.008
2	19:25:03	-0.026	-0.041	0.090	-0.098	-0.350	-0.297	0.000	0.007
3	19:25:46	0.005	0.011	0.043	-0.315	-0.378	-0.638	0.000	0.046
X		-0.007	-0.001	0.088	-0.216	-0.385	-0.403	0.000	0.020
σ		0.016	0.036	0.043	0.110	0.038	0.203	0.000	0.022
%RSD		215.700	4480.000	49.580	50.870	9.875	50.430	0.000	108.400
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:24:20	62.602%	-0.182	-0.140	64.229%	-0.003	-0.001	-0.063	-0.042
2	19:25:03	63.196%	-0.123	-0.108	64.687%	-0.003	0.000	-0.100	-0.063
3	19:25:46	63.625%	-0.178	-0.139	65.704%	-0.000	-0.002	-0.077	-0.064
X		63.141%	-0.161	-0.129	64.873%	-0.002	-0.001	-0.080	-0.056
σ		0.514%	0.033	0.019	0.755%	0.002	0.001	0.019	0.012
%RSD		0.814	20.310	14.390	1.164	78.900	138.000	23.140	21.800
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:24:20	64.243%	0.034	0.019	0.015	-0.020	-0.025	66.495%	66.577%
2	19:25:03	65.072%	0.017	0.012	0.015	-0.020	-0.023	67.093%	67.849%
3	19:25:46	65.715%	0.061	0.020	0.007	-0.015	-0.004	68.341%	68.926%
X		65.010%	0.038	0.017	0.012	-0.018	-0.017	67.310%	67.784%
σ		0.738%	0.022	0.005	0.005	0.003	0.012	0.942%	1.176%
%RSD		1.135	58.450	27.820	38.180	15.030	68.640	1.399	1.735
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	19:24:20	0.005	0.004	-0.032	-0.030	-0.032	83.837%		
2	19:25:03	0.006	0.002	-0.029	-0.030	-0.030	85.196%		
3	19:25:46	0.005	0.003	-0.036	-0.030	-0.033	86.231%		
X		0.005	0.003	-0.032	-0.030	-0.031	85.088%		
σ		0.001	0.001	0.003	0.000	0.002	1.201%		
%RSD		17.160	33.770	10.760	0.712	5.292	1.411		

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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	19:29:08	53.358%	47.900	968.600	1007.000	0.000	47160.000	46920.000	46090.000
2	19:29:51	53.895%	48.270	999.500	1030.000	0.000	47190.000	46980.000	46030.000
3	19:30:34	55.286%	46.400	980.500	1006.000	0.000	45940.000	45470.000	44640.000
X		54.180%	47.520	982.900	1014.000	0.000	46760.000	46460.000	45590.000
σ		0.995%	0.987	15.620	13.590	0.000	714.700	854.500	822.500
%RSD		1.837	2.078	1.589	1.340	0.000	1.528	1.839	1.804
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:29:08	1762.000	8492.000	0.000	47490.000	46440.000	48620.000	42.828%	937.100
2	19:29:51	1768.000	8488.000	0.000	47720.000	47450.000	49260.000	43.082%	938.000
3	19:30:34	1710.000	8105.000	0.000	46060.000	46310.000	47970.000	43.467%	911.800
X		1747.000	8362.000	0.000	47090.000	46740.000	48620.000	43.126%	929.000
σ		31.670	222.300	0.000	899.000	624.000	644.100	0.322%	14.890
%RSD		1.813	2.658	0.000	1.909	1.335	1.325	0.747	1.603
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:29:08	484.200	192.300	508.400	1005.000	1086.000	462.300	453.200	226.400
2	19:29:51	481.100	190.400	510.200	999.100	1093.000	457.500	444.900	222.500
3	19:30:34	467.400	186.700	503.800	979.000	1059.000	448.600	439.400	219.100
X		477.600	189.800	507.500	994.300	1079.000	456.100	445.800	222.600
σ		8.943	2.843	3.269	13.510	17.910	6.909	6.909	3.656
%RSD		1.873	1.498	0.644	1.359	1.660	1.515	1.550	1.642
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:29:08	225.100	455.900	467.700	35.190	9.426	9.124	0.000	921.400
2	19:29:51	222.800	458.500	459.200	34.200	9.493	9.963	0.000	922.300
3	19:30:34	219.400	452.900	455.100	33.170	9.132	9.338	0.000	907.200
X		222.400	455.700	460.600	34.190	9.350	9.475	0.000	917.000
σ		2.860	2.800	6.419	1.009	0.192	0.436	0.000	8.491
%RSD		1.286	0.614	1.393	2.951	2.056	4.602	0.000	0.926
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:29:08	47.388%	932.600	950.900	44.541%	46.660	47.290	48.930	44.360
2	19:29:51	48.976%	926.700	947.900	45.627%	47.010	47.530	48.360	43.780
3	19:30:34	49.503%	918.400	939.800	46.183%	45.890	46.490	46.770	41.970
X		48.622%	925.900	946.200	45.450%	46.520	47.100	48.020	43.370
σ		1.101%	7.116	5.711	0.835%	0.576	0.545	1.122	1.248
%RSD		2.265	0.768	0.604	1.837	1.239	1.157	2.336	2.878
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:29:08	48.631%	1826.000	450.300	451.900	1825.000	1822.000	57.632%	58.286%
2	19:29:51	49.698%	1849.000	459.700	460.600	1848.000	1838.000	59.215%	60.582%
3	19:30:34	50.724%	1811.000	451.600	444.700	1801.000	1790.000	60.610%	61.933%
X		49.684%	1829.000	453.900	452.400	1825.000	1817.000	59.152%	60.267%
σ		1.047%	18.870	5.085	7.944	23.320	24.860	1.490%	1.844%
%RSD		2.107	1.032	1.120	1.756	1.278	1.368	2.519	3.059
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	19:29:08	40.410	40.740	16.290	17.330	16.580	61.294%		
2	19:29:51	41.390	41.590	16.530	17.610	16.920	62.703%		
3	19:30:34	41.320	41.140	16.310	17.120	16.690	63.560%		
X		41.040	41.160	16.380	17.350	16.730	62.519%		
σ		0.546	0.426	0.132	0.246	0.176	1.144%		
%RSD		1.330	1.034	0.804	1.417	1.053	1.830		

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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	19:37:20	56.257%	0.016	15.650	15.890	0.000	3628.000	13730.000	13630.000
2	19:38:03	58.193%	0.034	14.470	14.230	0.000	3547.000	13620.000	13380.000
3	19:38:46	58.165%	-0.004	14.550	13.730	0.000	3432.000	13090.000	12920.000
X		57.538%	0.015	14.890	14.620	0.000	3536.000	13480.000	13310.000
σ		1.110%	0.019	0.659	1.128	0.000	98.650	341.100	357.900
%RSD		1.929	126.100	4.430	7.715	0.000	2.790	2.530	2.689
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:37:20	22.730	2282.000	0.000	3919.000	49710.000	51810.000	42.723%	0.877
2	19:38:03	22.460	2219.000	0.000	3905.000	49850.000	51850.000	42.972%	0.872
3	19:38:46	21.760	2147.000	0.000	3806.000	48920.000	50730.000	42.836%	1.042
X		22.320	2216.000	0.000	3877.000	49490.000	51460.000	42.844%	0.930
σ		0.500	67.360	0.000	61.540	500.200	633.100	0.125%	0.097
%RSD		2.241	3.040	0.000	1.587	1.011	1.230	0.291	10.410
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:37:20	-0.525	0.869	1438.000	6.347	85.940	2.945	0.569	1.737
2	19:38:03	-0.447	0.836	1420.000	5.749	83.290	2.880	0.569	1.589
3	19:38:46	-0.411	0.865	1380.000	3.347	77.750	2.834	0.495	1.613
X		-0.461	0.857	1413.000	5.148	82.330	2.886	0.544	1.646
σ		0.058	0.018	29.530	1.588	4.179	0.056	0.043	0.079
%RSD		12.580	2.101	2.091	30.850	5.076	1.940	7.932	4.817
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:37:20	1.075	3.371	2.962	-0.823	0.086	0.106	0.000	135.900
2	19:38:03	1.103	3.096	3.052	-0.858	0.111	0.084	0.000	136.400
3	19:38:46	1.045	3.185	3.094	0.012	0.159	0.160	0.000	134.200
X		1.075	3.217	3.036	-0.556	0.119	0.117	0.000	135.500
σ		0.029	0.140	0.068	0.492	0.037	0.039	0.000	1.140
%RSD		2.691	4.353	2.225	88.540	31.390	33.340	0.000	0.841
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:37:20	45.988%	0.686	0.755	44.097%	0.004	0.007	-0.035	-0.071
2	19:38:03	46.809%	0.520	0.497	44.974%	-0.001	-0.001	-0.129	-0.096
3	19:38:46	46.732%	0.393	0.358	44.936%	-0.001	0.002	-0.117	-0.139
X		46.510%	0.533	0.537	44.669%	0.001	0.003	-0.094	-0.102
σ		0.454%	0.147	0.202	0.496%	0.003	0.004	0.051	0.034
%RSD		0.975	27.530	37.550	1.110	300.600	152.200	54.560	33.330
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:37:20	47.615%	10.150	0.453	0.411	16.460	16.150	55.110%	55.837%
2	19:38:03	48.444%	9.092	0.443	0.481	16.670	16.500	56.685%	57.929%
3	19:38:46	48.852%	7.984	0.443	0.414	15.820	15.640	58.079%	58.587%
X		48.304%	9.075	0.446	0.436	16.320	16.090	56.625%	57.451%
σ		0.630%	1.083	0.006	0.040	0.443	0.433	1.486%	1.436%
%RSD		1.305	11.930	1.262	9.145	2.713	2.689	2.623	2.499
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	19:37:20	0.125	0.120	0.044	0.054	0.046	62.573%		
2	19:38:03	0.109	0.094	0.047	0.056	0.047	63.931%		
3	19:38:46	0.076	0.088	0.048	0.045	0.039	64.670%		
X		0.103	0.101	0.047	0.052	0.044	63.725%		
σ		0.025	0.017	0.002	0.006	0.004	1.064%		
%RSD		24.190	16.560	3.887	11.260	9.971	1.669		

CCV 781130 4/1/2013 7:41:26 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	19:42:09	52.579%	101.200	95.710	97.590	0.000	48050.000	49100.000	49100.000
2	19:42:52	53.635%	99.820	93.160	97.780	0.000	47330.000	47910.000	48270.000
3	19:43:35	53.932%	103.500	98.750	100.400	0.000	48900.000	49170.000	49540.000
x		53.382%	101.492%	95.870%	98.592%	0.000	96.185%	97.460%	97.936%
σ		0.711%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.332	1.822	2.920	1.595	0.000	1.640	1.455	1.316
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:42:09	478.500	4786.000	0.000	49380.000	46420.000	48480.000	47.168%	97.710
2	19:42:52	467.500	4744.000	0.000	48960.000	47070.000	48430.000	49.191%	95.180
3	19:43:35	481.300	4869.000	0.000	49760.000	47920.000	49060.000	49.489%	99.900
x		95.155%	95.990%	0.000	98.727%	94.272%	97.311%	48.616%	97.595%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.263%	n/a
%RSD		1.535	1.326	0.000	0.809	1.591	0.722	2.598	2.424
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:42:09	95.710	97.090	500.200	26430.000	25420.000	96.030	98.070	98.480
2	19:42:52	94.300	96.060	496.400	25940.000	25210.000	95.530	96.220	96.950
3	19:43:35	97.650	98.110	506.900	26510.000	25710.000	97.940	97.850	98.960
x		95.886%	97.085%	100.226%	105.165%	101.785%	96.500%	97.380%	98.129%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.753	1.052	1.062	1.177	0.987	1.316	1.038	1.067
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:42:09	98.060	105.900	106.700	96.000	100.600	99.060	0.000	95.450
2	19:42:52	96.510	104.700	105.500	97.800	101.500	100.600	0.000	95.810
3	19:43:35	97.540	106.500	106.500	97.230	103.600	100.400	0.000	97.370
x		97.370%	105.719%	106.236%	97.009%	101.918%	100.015%	0.000	96.209%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.809	0.840	0.646	0.948	1.533	0.831	0.000	1.062
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:42:09	49.337%	95.900	96.700	47.566%	94.750	95.350	97.550	97.650
2	19:42:52	51.119%	98.540	99.620	49.645%	94.080	94.710	96.780	98.630
3	19:43:35	51.814%	101.300	102.400	50.092%	96.630	97.130	97.470	98.750
x		50.757%	98.588%	99.567%	49.101%	95.154%	95.730%	97.267%	98.345%
σ		1.278%	n/a	n/a	1.348%	n/a	n/a	n/a	n/a
%RSD		2.517	2.754	2.856	2.745	1.394	1.307	0.435	0.613
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:42:09	50.282%	94.460	95.030	95.900	94.240	93.220	56.621%	57.247%
2	19:42:52	52.064%	94.960	96.120	95.220	95.160	94.770	58.952%	59.719%
3	19:43:35	52.865%	96.820	97.570	97.490	96.260	96.720	59.460%	60.300%
x		51.737%	95.416%	96.240%	96.202%	95.221%	94.902%	58.344%	59.089%
σ		1.322%	n/a	n/a	n/a	n/a	n/a	1.514%	1.621%
%RSD		2.556	1.304	1.327	1.211	1.066	1.843	2.595	2.743
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	19:42:09	93.010	93.230	93.650	93.400	93.510	54.024%		
2	19:42:52	93.450	93.290	93.380	94.170	94.010	56.063%		
3	19:43:35	96.520	96.430	97.510	97.500	97.310	55.617%		
x		94.328%	94.319%	94.846%	95.024%	94.942%	55.235%		
σ		n/a	n/a	n/a	n/a	n/a	1.072%		
%RSD		2.030	1.942	2.436	2.296	2.173	1.941		

CCB5 4/1/2013 7:46:16 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	19:46:59	82.992%	0.009	3.708	3.532	0.000	27.080	13.510	13.230
2	19:47:42	81.674%	0.023	2.609	3.756	0.000	27.570	15.320	15.060
3	19:48:25	82.970%	0.003	3.037	3.215	0.000	27.730	18.460	16.610
X		82.545%	0.012	3.118	3.501	0.000	27.460	15.760	14.970
σ		0.755%	0.010	0.554	0.272	0.000	0.338	2.502	1.692
%RSD		0.914	89.360	17.770	7.755	0.000	1.230	15.870	11.300
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:46:59	2.951	-3.325	0.000	-10.370	12.230	15.130	82.298%	0.094
2	19:47:42	3.546	-2.181	0.000	-10.910	13.390	18.720	81.524%	0.096
3	19:48:25	3.021	-2.434	0.000	-9.851	15.400	18.100	81.646%	0.040
X		3.173	-2.647	0.000	-10.380	13.670	17.320	81.823%	0.077
σ		0.325	0.601	0.000	0.527	1.603	1.917	0.416%	0.032
%RSD		10.250	22.690	0.000	5.080	11.730	11.070	0.508	41.280
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:46:59	0.013	0.112	0.311	-6.765	8.159	0.015	0.069	0.520
2	19:47:42	0.003	0.100	0.308	-6.163	8.538	0.024	0.080	0.490
3	19:48:25	0.099	0.091	0.346	-5.440	10.380	0.024	0.063	0.481
X		0.038	0.101	0.322	-6.123	9.026	0.021	0.071	0.497
σ		0.053	0.010	0.021	0.663	1.189	0.005	0.008	0.020
%RSD		138.100	10.190	6.626	10.830	13.180	24.100	11.800	4.107
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:46:59	0.106	0.312	0.294	-0.497	-0.946	-1.648	0.000	0.055
2	19:47:42	0.104	0.352	0.289	-0.303	-0.958	-1.294	0.000	0.065
3	19:48:25	0.109	0.314	0.343	-0.281	-0.919	-1.219	0.000	0.080
X		0.106	0.326	0.309	-0.360	-0.941	-1.387	0.000	0.066
σ		0.003	0.023	0.030	0.119	0.020	0.230	0.000	0.012
%RSD		2.361	7.015	9.633	33.050	2.126	16.540	0.000	18.780
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:46:59	83.288%	0.343	0.244	86.334%	0.030	0.021	-0.136	-0.096
2	19:47:42	82.765%	0.304	0.196	85.571%	0.025	0.021	-0.148	-0.094
3	19:48:25	83.271%	0.103	0.120	86.492%	0.033	0.031	-0.173	-0.109
X		83.108%	0.250	0.187	86.132%	0.030	0.024	-0.152	-0.100
σ		0.297%	0.129	0.063	0.492%	0.004	0.005	0.019	0.008
%RSD		0.358	51.590	33.540	0.572	13.280	21.700	12.300	7.770
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:46:59	93.534%	0.130	0.024	0.045	0.097	0.084	86.883%	87.145%
2	19:47:42	93.876%	0.084	0.036	0.030	0.113	0.097	88.407%	88.808%
3	19:48:25	94.447%	0.090	0.033	0.047	0.127	0.148	88.905%	90.107%
X		93.952%	0.101	0.031	0.041	0.112	0.110	88.065%	88.686%
σ		0.461%	0.025	0.007	0.009	0.015	0.034	1.054%	1.485%
%RSD		0.491	25.130	21.000	22.680	13.270	30.680	1.197	1.674
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	19:46:59	0.037	0.034	0.058	0.072	0.061	97.679%		
2	19:47:42	0.032	0.027	0.061	0.075	0.060	99.396%		
3	19:48:25	0.032	0.030	0.067	0.078	0.070	98.251%		
X		0.033	0.030	0.062	0.075	0.063	98.442%		
σ		0.003	0.004	0.005	0.003	0.005	0.874%		
%RSD		8.681	12.230	7.684	3.844	8.637	0.888		

180-19804-C-2-A 4/1/2013 7:51:07 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	19:51:50	55.004%	-0.013	8.246	8.746	0.000	3526.000	13460.000	13320.000
2	19:52:35	56.805%	0.006	7.891	8.442	0.000	3452.000	13180.000	13000.000
3	19:53:18	56.025%	0.006	6.741	7.995	0.000	3564.000	13580.000	13460.000
X		55.944%	-0.000	7.626	8.394	0.000	3514.000	13410.000	13260.000
σ		0.903%	0.011	0.787	0.377	0.000	56.810	204.800	233.000
%RSD		1.614	2981.000	10.310	4.496	0.000	1.617	1.527	1.757
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:51:50	21.500	2210.000	0.000	3933.000	49380.000	51580.000	41.481%	0.797
2	19:52:35	21.030	2147.000	0.000	3824.000	49850.000	51510.000	41.821%	0.875
3	19:53:18	21.880	2227.000	0.000	3956.000	50750.000	53130.000	40.831%	1.008
X		21.470	2195.000	0.000	3904.000	50000.000	52070.000	41.377%	0.893
σ		0.425	42.050	0.000	70.380	693.400	916.900	0.503%	0.107
%RSD		1.979	1.916	0.000	1.803	1.387	1.761	1.216	11.940
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:51:50	-0.317	0.945	1464.000	21.050	97.710	2.591	0.522	1.887
2	19:52:35	0.142	0.835	1434.000	18.150	84.380	2.528	0.505	1.774
3	19:53:18	-0.739	0.807	1481.000	20.030	90.270	2.780	0.414	1.699
X		-0.305	0.862	1460.000	19.740	90.790	2.633	0.480	1.787
σ		0.441	0.073	23.880	1.472	6.682	0.131	0.058	0.094
%RSD		144.600	8.443	1.636	7.456	7.360	4.964	12.050	5.279
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:51:50	1.252	2.339	2.447	-0.621	0.246	0.591	0.000	135.500
2	19:52:35	1.026	2.416	2.777	-0.698	0.190	0.169	0.000	135.700
3	19:53:18	1.378	2.488	2.544	-0.169	0.315	0.978	0.000	139.800
X		1.219	2.414	2.589	-0.496	0.251	0.579	0.000	137.000
σ		0.179	0.074	0.170	0.285	0.063	0.404	0.000	2.455
%RSD		14.660	3.072	6.551	57.550	25.020	69.770	0.000	1.792
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:51:50	45.020%	0.170	0.223	43.347%	-0.003	0.001	-0.072	-0.044
2	19:52:35	45.629%	0.113	0.199	43.793%	0.003	0.008	-0.046	-0.047
3	19:53:18	44.763%	0.086	0.214	42.951%	-0.000	0.001	-0.081	-0.053
X		45.138%	0.123	0.212	43.364%	0.000	0.003	-0.066	-0.048
σ		0.445%	0.042	0.012	0.421%	0.003	0.004	0.018	0.005
%RSD		0.985	34.510	5.779	0.971	9806.000	133.200	27.150	10.190
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:51:50	46.766%	5.780	0.364	0.328	16.090	15.760	55.005%	55.891%
2	19:52:35	47.148%	5.572	0.334	0.399	16.280	16.090	56.696%	57.147%
3	19:53:18	47.117%	5.330	0.358	0.367	16.830	16.710	55.821%	56.491%
X		47.010%	5.561	0.352	0.365	16.400	16.180	55.841%	56.510%
σ		0.212%	0.225	0.016	0.036	0.384	0.480	0.846%	0.629%
%RSD		0.452	4.053	4.536	9.736	2.339	2.964	1.515	1.112
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	19:51:50	0.049	0.045	-0.012	-0.024	-0.015	63.026%		
2	19:52:35	0.044	0.041	-0.013	-0.010	-0.012	63.966%		
3	19:53:18	0.049	0.050	-0.021	-0.007	-0.018	63.300%		
X		0.047	0.045	-0.015	-0.014	-0.015	63.431%		
σ		0.003	0.005	0.005	0.009	0.003	0.483%		
%RSD		6.684	10.960	32.840	65.930	19.210	0.762		

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4/1/2013 7:55:59 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	19:56:42	54.562%	-0.003	5.866	7.009	0.000	2673.000	4021.000	3972.000
2	19:57:26	55.127%	0.107	6.483	6.876	0.000	2646.000	4036.000	3985.000
3	19:58:09	55.285%	0.037	7.198	7.049	0.000	2609.000	3983.000	3917.000
X		54.992%	0.047	6.515	6.978	0.000	2643.000	4013.000	3958.000
σ		0.380%	0.056	0.666	0.091	0.000	32.520	27.380	35.980
%RSD		0.691	118.900	10.230	1.298	0.000	1.231	0.682	0.909
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:56:42	4.154	3672.000	0.000	1603.000	12820.000	13800.000	40.051%	1.249
2	19:57:26	4.177	3665.000	0.000	1625.000	13280.000	13800.000	39.817%	1.143
3	19:58:09	4.322	3594.000	0.000	1596.000	13240.000	13840.000	39.999%	0.959
X		4.218	3644.000	0.000	1608.000	13120.000	13810.000	39.956%	1.117
σ		0.091	43.090	0.000	14.870	252.000	25.970	0.123%	0.147
%RSD		2.163	1.183	0.000	0.925	1.921	0.188	0.307	13.150
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:56:42	-1.109	0.730	433.600	145.400	164.800	7.476	1.722	5.306
2	19:57:26	0.180	0.693	438.900	146.300	171.400	7.471	1.749	5.431
3	19:58:09	-0.126	0.779	434.700	144.400	166.500	7.237	1.664	5.317
X		-0.352	0.734	435.700	145.400	167.600	7.395	1.712	5.351
σ		0.673	0.043	2.831	0.974	3.450	0.137	0.043	0.069
%RSD		191.400	5.848	0.650	0.670	2.059	1.848	2.538	1.298
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:56:42	5.188	151.600	151.200	-0.428	-0.140	0.044	0.000	37.110
2	19:57:26	4.973	151.500	152.000	-0.790	-0.532	-0.282	0.000	37.170
3	19:58:09	5.032	150.000	153.500	-0.788	-0.225	-0.444	0.000	36.990
X		5.064	151.000	152.200	-0.669	-0.299	-0.227	0.000	37.090
σ		0.111	0.908	1.171	0.208	0.206	0.249	0.000	0.093
%RSD		2.188	0.601	0.769	31.190	69.030	109.300	0.000	0.250
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:56:42	46.972%	-0.058	0.012	42.395%	0.001	0.003	0.232	0.243
2	19:57:26	47.587%	-0.073	-0.051	42.846%	0.002	0.004	0.157	0.176
3	19:58:09	47.954%	-0.081	-0.055	43.012%	0.002	0.005	0.289	0.252
X		47.504%	-0.071	-0.031	42.751%	0.002	0.004	0.226	0.224
σ		0.496%	0.012	0.038	0.319%	0.001	0.001	0.066	0.041
%RSD		1.044	16.490	119.800	0.747	31.850	24.500	29.220	18.560
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:56:42	45.112%	4.982	0.253	0.287	19.530	19.810	53.535%	54.412%
2	19:57:26	46.512%	4.836	0.333	0.317	19.500	19.300	55.496%	56.252%
3	19:58:09	46.679%	4.647	0.283	0.326	19.830	19.670	55.908%	56.574%
X		46.101%	4.822	0.290	0.310	19.620	19.590	54.980%	55.746%
σ		0.860%	0.168	0.041	0.020	0.185	0.264	1.268%	1.167%
%RSD		1.866	3.486	14.040	6.531	0.945	1.347	2.307	2.093
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	19:56:42	0.036	0.029	0.050	0.041	0.044	61.771%		
2	19:57:26	0.033	0.037	0.054	0.071	0.056	63.746%		
3	19:58:09	0.038	0.040	0.048	0.059	0.056	63.421%		
X		0.036	0.035	0.051	0.057	0.052	62.979%		
σ		0.002	0.005	0.003	0.015	0.007	1.059%		
%RSD		6.839	15.010	5.953	25.860	13.320	1.682		

180-19804-B-4-A 4/1/2013 8:00:50 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	20:01:34	54.762%	-0.003	5.039	6.235	0.000	2360.000	3354.000	3317.000
2	20:02:17	55.597%	0.017	6.850	6.161	0.000	2276.000	3253.000	3199.000
3	20:03:00	55.794%	0.016	6.555	6.208	0.000	2290.000	3291.000	3250.000
X		55.384%	0.010	6.148	6.201	0.000	2309.000	3299.000	3256.000
σ		0.548%	0.011	0.972	0.037	0.000	44.810	50.940	59.280
%RSD		0.989	113.600	15.800	0.604	0.000	1.941	1.544	1.821
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:01:34	3.999	3531.000	0.000	1437.000	11270.000	12030.000	39.708%	1.192
2	20:02:17	3.798	3393.000	0.000	1396.000	11600.000	11900.000	39.847%	1.165
3	20:03:00	3.883	3436.000	0.000	1417.000	11490.000	12050.000	39.595%	1.240
X		3.893	3453.000	0.000	1416.000	11450.000	11990.000	39.717%	1.199
σ		0.101	70.480	0.000	20.470	167.000	78.660	0.126%	0.038
%RSD		2.594	2.041	0.000	1.445	1.458	0.656	0.317	3.194
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:01:34	0.313	0.735	327.500	93.940	113.900	4.879	1.138	5.031
2	20:02:17	0.097	0.715	316.700	89.640	111.200	4.893	1.129	4.738
3	20:03:00	0.095	0.839	323.300	91.860	111.400	4.756	1.190	4.989
X		0.168	0.763	322.500	91.810	112.200	4.842	1.152	4.919
σ		0.125	0.067	5.472	2.153	1.531	0.075	0.033	0.159
%RSD		74.480	8.765	1.697	2.344	1.365	1.555	2.871	3.222
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:01:34	4.417	122.500	123.500	-0.337	-0.476	0.286	0.000	33.010
2	20:02:17	4.653	118.200	118.100	-0.902	-0.213	-0.090	0.000	32.500
3	20:03:00	4.236	121.900	125.200	-0.400	-0.567	-0.216	0.000	33.680
X		4.435	120.900	122.200	-0.546	-0.418	-0.007	0.000	33.060
σ		0.209	2.320	3.721	0.310	0.184	0.261	0.000	0.589
%RSD		4.705	1.920	3.044	56.710	43.940	3914.000	0.000	1.782
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:01:34	46.574%	-0.125	-0.100	42.536%	-0.000	-0.002	0.122	0.160
2	20:02:17	47.683%	-0.096	-0.115	43.518%	0.003	0.010	0.151	0.171
3	20:03:00	47.198%	-0.048	-0.104	43.210%	-0.001	0.002	0.142	0.185
X		47.152%	-0.090	-0.106	43.088%	0.000	0.003	0.138	0.172
σ		0.556%	0.039	0.008	0.502%	0.002	0.006	0.015	0.013
%RSD		1.180	43.520	7.250	1.166	492.100	173.600	10.510	7.273
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:01:34	45.709%	4.311	0.286	0.305	17.320	17.560	54.485%	55.005%
2	20:02:17	47.307%	4.271	0.251	0.266	17.210	16.900	56.206%	57.524%
3	20:03:00	47.279%	4.058	0.272	0.299	17.650	17.650	56.128%	56.935%
X		46.765%	4.213	0.269	0.290	17.390	17.370	55.606%	56.488%
σ		0.915%	0.136	0.018	0.021	0.230	0.414	0.972%	1.318%
%RSD		1.956	3.226	6.501	7.184	1.325	2.382	1.748	2.333
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:01:34	0.026	0.022	-0.021	-0.027	-0.023	63.428%		
2	20:02:17	0.026	0.024	-0.019	-0.017	-0.021	65.606%		
3	20:03:00	0.038	0.029	-0.025	-0.019	-0.021	64.739%		
X		0.030	0.025	-0.022	-0.021	-0.022	64.591%		
σ		0.007	0.004	0.003	0.005	0.001	1.096%		
%RSD		23.970	15.070	14.690	25.200	5.569	1.697		

180-19804-B-5-A

4/1/2013 8:05:40 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	20:06:23	53.960%	-0.003	5.370	6.099	0.000	2387.000	3644.000	3567.000
2	20:07:06	55.171%	0.047	5.073	5.905	0.000	2335.000	3566.000	3539.000
3	20:07:50	54.793%	-0.003	5.082	5.781	0.000	2326.000	3582.000	3547.000
X		54.642%	0.014	5.175	5.928	0.000	2349.000	3597.000	3551.000
σ		0.620%	0.029	0.169	0.160	0.000	32.740	40.890	14.280
%RSD		1.134	210.600	3.267	2.700	0.000	1.394	1.137	0.402
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:06:23	3.365	3640.000	0.000	1522.000	12450.000	12990.000	39.317%	1.091
2	20:07:06	3.181	3579.000	0.000	1520.000	12700.000	13050.000	39.703%	0.945
3	20:07:50	3.274	3537.000	0.000	1519.000	12720.000	13030.000	39.198%	0.751
X		3.273	3585.000	0.000	1521.000	12620.000	13020.000	39.406%	0.929
σ		0.092	51.500	0.000	1.716	151.900	30.650	0.264%	0.171
%RSD		2.822	1.436	0.000	0.113	1.203	0.235	0.669	18.340
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:06:23	0.037	0.684	374.700	83.210	103.800	6.430	1.269	4.387
2	20:07:06	-0.577	0.748	372.500	81.980	102.100	6.155	1.375	4.288
3	20:07:50	0.357	0.784	373.900	81.730	101.200	6.244	1.419	4.165
X		-0.061	0.739	373.700	82.310	102.300	6.276	1.354	4.280
σ		0.474	0.051	1.116	0.790	1.308	0.140	0.077	0.111
%RSD		777.400	6.842	0.299	0.960	1.278	2.237	5.678	2.596
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:06:23	4.048	139.000	140.300	-0.985	-0.392	-0.002	0.000	36.410
2	20:07:06	3.948	136.400	139.100	0.559	-0.413	-0.129	0.000	36.430
3	20:07:50	4.023	136.700	137.500	-0.117	-0.590	0.069	0.000	36.670
X		4.006	137.400	138.900	-0.181	-0.465	-0.020	0.000	36.500
σ		0.052	1.446	1.402	0.774	0.109	0.100	0.000	0.145
%RSD		1.301	1.053	1.009	428.100	23.410	491.300	0.000	0.398
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:06:23	45.593%	-0.150	-0.146	42.275%	0.005	0.001	0.187	0.152
2	20:07:06	45.796%	-0.120	-0.119	42.691%	0.004	0.003	0.205	0.156
3	20:07:50	46.027%	-0.091	-0.137	42.655%	0.006	-0.002	0.108	0.140
X		45.805%	-0.120	-0.134	42.541%	0.005	0.001	0.167	0.149
σ		0.217%	0.029	0.014	0.230%	0.001	0.002	0.052	0.009
%RSD		0.474	24.440	10.220	0.542	12.560	302.200	31.160	5.793
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:06:23	45.900%	3.521	0.259	0.263	17.570	17.600	53.960%	54.808%
2	20:07:06	46.357%	3.638	0.238	0.249	17.950	18.230	55.670%	56.663%
3	20:07:50	46.854%	3.597	0.240	0.260	18.460	17.860	55.752%	56.781%
X		46.370%	3.586	0.246	0.257	17.990	17.900	55.127%	56.084%
σ		0.477%	0.059	0.012	0.008	0.449	0.321	1.012%	1.107%
%RSD		1.029	1.656	4.880	2.952	2.494	1.793	1.835	1.973
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:06:23	0.031	0.028	-0.031	-0.024	-0.027	63.156%		
2	20:07:06	0.033	0.025	-0.029	-0.030	-0.027	64.213%		
3	20:07:50	0.032	0.021	-0.027	-0.026	-0.028	64.353%		
X		0.032	0.025	-0.029	-0.026	-0.027	63.907%		
σ		0.001	0.003	0.002	0.003	0.000	0.655%		
%RSD		2.889	14.120	6.742	12.270	1.463	1.024		

180-19804-B-6-A 4/1/2013 8:10:31 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	20:11:14	54.169%	0.048	6.237	5.514	0.000	2396.000	3362.000	3319.000
2	20:11:57	54.541%	0.027	5.455	5.867	0.000	2375.000	3360.000	3311.000
3	20:12:40	55.334%	0.017	5.027	5.433	0.000	2349.000	3338.000	3301.000
X		54.681%	0.031	5.573	5.605	0.000	2373.000	3353.000	3310.000
σ		0.595%	0.016	0.613	0.231	0.000	23.120	13.320	8.971
%RSD		1.089	51.840	11.000	4.116	0.000	0.974	0.397	0.271
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:11:14	5.087	3628.000	0.000	1468.000	11500.000	12280.000	39.675%	0.899
2	20:11:57	5.255	3559.000	0.000	1470.000	12020.000	12270.000	39.465%	1.108
3	20:12:40	5.231	3537.000	0.000	1458.000	11620.000	12210.000	39.520%	0.699
X		5.191	3575.000	0.000	1465.000	11710.000	12250.000	39.553%	0.902
σ		0.091	47.200	0.000	5.997	267.300	37.750	0.109%	0.204
%RSD		1.750	1.320	0.000	0.409	2.282	0.308	0.275	22.670
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:11:14	0.331	0.681	316.500	59.990	75.980	5.612	1.192	5.223
2	20:11:57	0.081	0.856	315.600	59.500	77.650	5.445	1.274	5.154
3	20:12:40	0.137	0.861	317.300	60.100	80.010	5.685	1.132	5.652
X		0.183	0.799	316.500	59.860	77.880	5.581	1.199	5.343
σ		0.131	0.102	0.879	0.320	2.024	0.123	0.071	0.270
%RSD		71.440	12.770	0.278	0.534	2.598	2.204	5.935	5.050
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:11:14	5.070	114.100	116.500	-0.599	-0.650	-0.259	0.000	32.850
2	20:11:57	5.074	114.500	114.800	-0.929	-0.495	-0.185	0.000	33.140
3	20:12:40	5.040	117.900	117.800	-0.815	-0.583	-0.076	0.000	33.170
X		5.061	115.500	116.400	-0.781	-0.576	-0.173	0.000	33.050
σ		0.018	2.084	1.503	0.168	0.078	0.092	0.000	0.174
%RSD		0.362	1.804	1.292	21.460	13.540	53.230	0.000	0.526
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:11:14	47.532%	-0.177	-0.198	42.462%	-0.004	0.002	0.143	0.197
2	20:11:57	48.173%	-0.218	-0.189	42.930%	0.006	-0.003	0.123	0.168
3	20:12:40	48.244%	-0.163	-0.131	42.999%	0.002	0.001	0.146	0.163
X		47.983%	-0.186	-0.173	42.797%	0.001	-0.000	0.138	0.176
σ		0.393%	0.029	0.036	0.292%	0.005	0.003	0.013	0.018
%RSD		0.818	15.470	21.000	0.683	355.400	13140.000	9.127	10.320
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:11:14	45.647%	3.257	0.256	0.263	17.790	18.090	55.010%	55.495%
2	20:11:57	46.577%	3.230	0.284	0.272	18.150	17.740	55.709%	56.979%
3	20:12:40	46.951%	3.149	0.229	0.228	17.880	17.820	56.143%	57.174%
X		46.392%	3.212	0.256	0.254	17.940	17.880	55.621%	56.549%
σ		0.671%	0.056	0.027	0.023	0.191	0.180	0.572%	0.918%
%RSD		1.447	1.756	10.670	9.201	1.067	1.008	1.028	1.624
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:11:14	0.026	0.024	-0.011	-0.018	-0.019	63.366%		
2	20:11:57	0.015	0.022	-0.016	-0.013	-0.018	64.112%		
3	20:12:40	0.029	0.024	-0.018	-0.017	-0.020	64.304%		
X		0.023	0.023	-0.015	-0.016	-0.019	63.927%		
σ		0.007	0.001	0.004	0.002	0.001	0.496%		
%RSD		30.180	4.375	23.790	15.460	5.219	0.776		

180-19804-B-7-A

4/1/2013 8:15:23 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	20:16:06	55.272%	0.007	5.305	5.035	0.000	2101.000	2299.000	2263.000
2	20:16:49	54.274%	-0.013	5.904	5.499	0.000	2227.000	2422.000	2403.000
3	20:17:32	54.904%	0.058	4.866	5.283	0.000	2118.000	2326.000	2279.000
X		54.817%	0.017	5.358	5.273	0.000	2148.000	2349.000	2315.000
σ		0.505%	0.036	0.521	0.232	0.000	68.220	64.210	76.830
%RSD		0.921	213.500	9.729	4.401	0.000	3.175	2.734	3.319
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:16:06	13.310	3673.000	0.000	1192.000	7213.000	7388.000	39.950%	1.074
2	20:16:49	14.620	3836.000	0.000	1272.000	7463.000	7851.000	38.120%	1.197
3	20:17:32	13.010	3613.000	0.000	1214.000	7298.000	7556.000	38.881%	0.989
X		13.650	3707.000	0.000	1226.000	7325.000	7598.000	38.984%	1.087
σ		0.858	115.600	0.000	41.490	127.100	234.700	0.919%	0.105
%RSD		6.288	3.119	0.000	3.383	1.735	3.089	2.359	9.655
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:16:06	1.397	0.979	173.100	152.200	166.300	3.739	0.829	6.095
2	20:16:49	0.735	1.030	185.000	163.500	174.700	3.840	0.615	6.408
3	20:17:32	0.399	0.912	177.800	155.800	172.000	3.479	0.667	6.049
X		0.844	0.974	178.600	157.200	171.000	3.686	0.704	6.184
σ		0.508	0.059	5.969	5.776	4.286	0.186	0.112	0.196
%RSD		60.180	6.079	3.342	3.675	2.507	5.052	15.860	3.162
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:16:06	5.765	89.720	93.360	-0.444	-0.341	0.094	0.000	23.770
2	20:16:49	6.076	97.380	100.000	-0.650	-0.117	-0.076	0.000	25.710
3	20:17:32	6.027	93.020	96.280	-0.435	-0.240	0.204	0.000	24.810
X		5.956	93.370	96.550	-0.510	-0.233	0.074	0.000	24.760
σ		0.167	3.845	3.342	0.122	0.112	0.141	0.000	0.972
%RSD		2.810	4.118	3.462	23.880	48.200	190.600	0.000	3.926
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:16:06	45.538%	-0.145	-0.151	43.059%	0.001	0.001	0.113	0.153
2	20:16:49	44.434%	-0.157	-0.162	41.759%	-0.001	0.005	0.107	0.150
3	20:17:32	45.313%	-0.177	-0.148	43.114%	-0.006	-0.004	0.113	0.154
X		45.095%	-0.160	-0.154	42.644%	-0.002	0.000	0.111	0.153
σ		0.583%	0.016	0.007	0.767%	0.004	0.004	0.003	0.002
%RSD		1.294	10.100	4.849	1.798	168.300	1008.000	2.788	1.442
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:16:06	46.322%	2.697	0.143	0.144	16.860	16.720	54.879%	56.122%
2	20:16:49	45.666%	3.002	0.153	0.175	18.310	18.420	54.313%	55.327%
3	20:17:32	47.155%	2.878	0.138	0.163	17.620	17.200	55.928%	56.919%
X		46.381%	2.859	0.145	0.161	17.600	17.440	55.040%	56.123%
σ		0.746%	0.153	0.008	0.016	0.726	0.875	0.819%	0.796%
%RSD		1.609	5.359	5.232	9.674	4.124	5.013	1.488	1.418
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:16:06	0.013	0.012	0.002	0.003	0.003	65.198%		
2	20:16:49	0.014	0.012	0.018	0.004	0.012	61.335%		
3	20:17:32	0.016	0.013	-0.004	0.017	0.005	65.553%		
X		0.014	0.012	0.005	0.008	0.007	64.028%		
σ		0.002	0.001	0.012	0.008	0.005	2.340%		
%RSD		13.710	6.728	213.800	96.230	73.760	3.654		

180-19804-C-8-A 4/1/2013 8:20:14 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	20:20:58	54.769%	0.037	4.801	5.280	0.000	2003.000	2273.000	2244.000
2	20:21:41	54.566%	0.007	4.390	5.113	0.000	1995.000	2290.000	2252.000
3	20:22:24	55.159%	0.007	5.115	4.776	0.000	1997.000	2282.000	2233.000
X		54.832%	0.017	4.768	5.057	0.000	1998.000	2282.000	2243.000
σ		0.302%	0.018	0.364	0.257	0.000	4.505	8.579	9.574
%RSD		0.550	102.600	7.624	5.075	0.000	0.225	0.376	0.427
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:20:58	8.003	3596.000	0.000	1167.000	6988.000	7297.000	39.164%	0.936
2	20:21:41	7.763	3587.000	0.000	1170.000	6878.000	7230.000	39.235%	0.797
3	20:22:24	7.662	3577.000	0.000	1162.000	7111.000	7296.000	39.444%	0.815
X		7.810	3587.000	0.000	1166.000	6992.000	7274.000	39.281%	0.849
σ		0.175	9.407	0.000	4.248	116.700	38.370	0.146%	0.076
%RSD		2.244	0.262	0.000	0.364	1.668	0.527	0.371	8.904
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:20:58	1.142	0.892	169.800	159.700	178.700	2.544	0.571	6.850
2	20:21:41	0.438	1.013	171.200	159.800	167.300	2.619	0.780	6.482
3	20:22:24	0.721	0.978	171.000	159.700	175.400	2.635	0.589	6.217
X		0.767	0.961	170.700	159.700	173.800	2.599	0.647	6.516
σ		0.354	0.062	0.741	0.062	5.901	0.048	0.116	0.318
%RSD		46.190	6.481	0.434	0.039	3.395	1.864	17.930	4.879
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:20:58	6.685	90.910	94.160	-0.200	-0.278	-0.383	0.000	23.210
2	20:21:41	6.269	91.450	94.080	-0.562	-0.161	0.725	0.000	23.260
3	20:22:24	6.513	91.190	92.820	-0.482	-0.486	-0.391	0.000	23.560
X		6.489	91.180	93.690	-0.415	-0.308	-0.016	0.000	23.350
σ		0.209	0.268	0.755	0.191	0.165	0.642	0.000	0.190
%RSD		3.218	0.294	0.806	45.960	53.570	3957.000	0.000	0.814
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:20:58	45.176%	-0.240	-0.166	42.482%	-0.006	-0.002	0.138	0.153
2	20:21:41	45.789%	-0.138	-0.144	42.816%	-0.004	0.002	0.076	0.118
3	20:22:24	45.686%	-0.192	-0.200	43.200%	0.002	0.003	0.108	0.144
X		45.550%	-0.190	-0.170	42.833%	-0.003	0.001	0.107	0.138
σ		0.328%	0.051	0.028	0.359%	0.004	0.002	0.031	0.018
%RSD		0.720	27.000	16.610	0.839	158.200	216.800	28.930	13.110
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:20:58	46.247%	2.816	0.192	0.243	16.930	16.730	54.477%	55.689%
2	20:21:41	47.015%	2.689	0.166	0.212	16.110	16.020	55.997%	56.760%
3	20:22:24	47.285%	2.726	0.181	0.171	16.470	16.160	56.152%	57.466%
X		46.849%	2.744	0.179	0.208	16.500	16.300	55.542%	56.638%
σ		0.538%	0.065	0.013	0.036	0.410	0.379	0.926%	0.895%
%RSD		1.149	2.373	7.211	17.330	2.485	2.322	1.667	1.580
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:20:58	0.014	0.012	-0.015	-0.002	-0.013	64.351%		
2	20:21:41	0.016	0.012	-0.015	0.002	-0.016	64.708%		
3	20:22:24	0.019	0.011	-0.018	-0.013	-0.016	65.702%		
X		0.017	0.012	-0.016	-0.004	-0.015	64.920%		
σ		0.003	0.001	0.002	0.008	0.002	0.700%		
%RSD		15.410	6.247	12.830	181.700	12.580	1.078		

180-19804-C-8-A SD@5 4/1/2013 8:25:05 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	20:25:48	53.567%	0.007	1.768	2.199	0.000	428.000	467.900	467.000
2	20:26:31	53.502%	0.007	1.918	1.992	0.000	426.200	470.700	464.700
3	20:27:14	52.566%	-0.013	2.429	2.007	0.000	426.600	470.000	462.500
x		53.212%	0.001	2.038	2.066	0.000	426.900	469.500	464.800
σ		0.560%	0.012	0.347	0.115	0.000	0.954	1.441	2.260
%RSD		1.052	1820.000	17.010	5.584	0.000	0.223	0.307	0.486
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:25:48	1.088	771.200	0.000	234.300	1308.000	1452.000	42.859%	0.141
2	20:26:31	1.078	759.300	0.000	232.000	1374.000	1489.000	42.274%	0.228
3	20:27:14	1.042	752.700	0.000	228.600	1366.000	1455.000	42.377%	0.143
x		1.069	761.100	0.000	231.600	1349.000	1465.000	42.504%	0.170
σ		0.024	9.392	0.000	2.892	36.140	20.490	0.312%	0.050
%RSD		2.240	1.234	0.000	1.248	2.678	1.398	0.735	29.290
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:25:48	-0.060	0.298	34.000	28.460	35.110	0.549	0.094	1.515
2	20:26:31	0.581	0.158	33.940	27.210	34.610	0.522	0.119	1.559
3	20:27:14	-0.050	0.226	33.950	26.990	33.020	0.570	0.155	1.574
x		0.157	0.227	33.960	27.550	34.250	0.547	0.123	1.549
σ		0.367	0.070	0.034	0.793	1.094	0.024	0.031	0.031
%RSD		233.900	30.800	0.100	2.879	3.194	4.406	25.080	1.992
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:25:48	1.577	21.130	20.580	-0.255	-0.643	-0.098	0.000	4.741
2	20:26:31	1.322	19.990	20.550	-0.050	-0.381	0.088	0.000	4.690
3	20:27:14	1.574	20.610	20.220	0.085	-0.295	0.358	0.000	4.769
x		1.491	20.580	20.450	-0.073	-0.440	0.116	0.000	4.733
σ		0.146	0.570	0.201	0.171	0.181	0.229	0.000	0.040
%RSD		9.809	2.771	0.983	233.200	41.220	197.500	0.000	0.844
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:25:48	46.391%	-0.247	-0.258	46.139%	-0.003	0.003	-0.045	-0.012
2	20:26:31	46.511%	-0.247	-0.224	45.812%	-0.001	0.003	-0.031	-0.017
3	20:27:14	46.277%	-0.254	-0.247	45.951%	-0.001	0.003	-0.089	-0.059
x		46.393%	-0.249	-0.243	45.967%	-0.002	0.003	-0.055	-0.030
σ		0.117%	0.004	0.017	0.164%	0.001	0.000	0.030	0.026
%RSD		0.252	1.531	7.137	0.358	83.840	0.955	55.270	87.130
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:25:48	48.558%	0.405	0.024	0.014	3.246	3.170	54.610%	55.147%
2	20:26:31	48.453%	0.365	0.042	0.027	3.527	3.229	55.803%	56.231%
3	20:27:14	48.783%	0.347	0.019	0.024	3.389	3.305	56.034%	56.577%
x		48.598%	0.373	0.028	0.022	3.387	3.235	55.482%	55.985%
σ		0.168%	0.030	0.012	0.007	0.141	0.068	0.764%	0.746%
%RSD		0.347	7.926	42.350	32.530	4.161	2.095	1.378	1.332
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:25:48	0.002	0.002	-0.031	-0.033	-0.034	66.008%		
2	20:26:31	-0.002	-0.001	-0.037	-0.037	-0.036	66.641%		
3	20:27:14	0.005	-0.001	-0.038	-0.030	-0.034	67.462%		
x		0.002	0.000	-0.035	-0.033	-0.035	66.704%		
σ		0.003	0.002	0.004	0.003	0.001	0.729%		
%RSD		188.200	1014.000	10.680	10.270	3.928	1.093		

180-19804-C-8-B MS

4/1/2013 8:29:52 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	20:30:35	55.060%	43.840	913.200	933.600	0.000	46480.000	46350.000	45630.000
2	20:31:18	55.760%	44.980	963.200	986.500	0.000	48470.000	48260.000	47460.000
3	20:32:01	57.454%	44.600	924.200	958.300	0.000	46510.000	46170.000	45730.000
x		56.091%	44.470	933.500	959.500	0.000	47160.000	46930.000	46270.000
σ		1.231%	0.577	26.300	26.490	0.000	1139.000	1159.000	1029.000
%RSD		2.195	1.297	2.817	2.761	0.000	2.416	2.471	2.225
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:30:35	1646.000	11470.000	0.000	46700.000	51690.000	54100.000	40.456%	897.300
2	20:31:18	1711.000	11810.000	0.000	48760.000	55560.000	57510.000	40.198%	947.100
3	20:32:01	1653.000	11350.000	0.000	46520.000	53020.000	54830.000	41.606%	901.100
x		1670.000	11540.000	0.000	47330.000	53420.000	55480.000	40.753%	915.200
σ		35.630	239.000	0.000	1244.000	1962.000	1797.000	0.749%	27.680
%RSD		2.134	2.071	0.000	2.628	3.672	3.239	1.839	3.025
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:30:35	458.500	182.400	651.200	1103.000	1200.000	437.200	423.700	217.300
2	20:31:18	485.300	193.200	689.200	1161.000	1265.000	461.300	442.700	229.400
3	20:32:01	463.800	183.700	661.800	1109.000	1197.000	442.900	428.800	218.900
x		469.200	186.400	667.400	1124.000	1221.000	447.100	431.700	221.900
σ		14.190	5.893	19.590	31.740	38.270	12.610	9.808	6.559
%RSD		3.023	3.161	2.935	2.823	3.135	2.820	2.272	2.957
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:30:35	216.200	515.500	516.300	31.640	8.613	9.042	0.000	941.100
2	20:31:18	229.000	538.800	536.700	32.860	8.077	8.898	0.000	972.000
3	20:32:01	219.800	516.800	522.400	32.680	8.383	7.887	0.000	932.900
x		221.600	523.700	525.100	32.400	8.358	8.609	0.000	948.700
σ		6.613	13.120	10.450	0.658	0.269	0.630	0.000	20.630
%RSD		2.984	2.505	1.990	2.031	3.216	7.314	0.000	2.174
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:30:35	46.053%	910.400	939.100	41.579%	46.330	46.810	47.360	41.850
2	20:31:18	46.436%	961.500	997.800	41.841%	48.190	49.210	49.610	45.740
3	20:32:01	47.684%	925.700	950.100	43.274%	45.920	47.170	47.920	42.250
x		46.724%	932.600	962.300	42.231%	46.820	47.730	48.300	43.280
σ		0.853%	26.240	31.240	0.912%	1.212	1.293	1.173	2.143
%RSD		1.826	2.813	3.246	2.160	2.588	2.708	2.429	4.952
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:30:35	46.020%	1844.000	454.500	450.700	1821.000	1815.000	56.312%	57.016%
2	20:31:18	45.880%	1952.000	478.600	473.500	1927.000	1918.000	56.210%	57.532%
3	20:32:01	48.098%	1848.000	454.200	452.000	1838.000	1830.000	57.950%	59.420%
x		46.666%	1881.000	462.400	458.700	1862.000	1854.000	56.824%	57.989%
σ		1.242%	61.300	13.970	12.830	57.240	55.310	0.977%	1.266%
%RSD		2.662	3.258	3.021	2.797	3.074	2.983	1.719	2.183
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:30:35	40.700	40.660	16.220	17.440	16.680	59.101%		
2	20:31:18	44.760	44.670	17.710	18.990	18.190	57.732%		
3	20:32:01	43.240	43.140	16.870	18.290	17.420	59.482%		
x		42.900	42.820	16.940	18.240	17.430	58.772%		
σ		2.049	2.020	0.746	0.775	0.752	0.920%		
%RSD		4.776	4.718	4.404	4.249	4.316	1.566		

180-19804-C-8-C MSD

4/1/2013 8:34:40 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	20:35:23	57.166%	44.480	928.600	957.200	0.000	46540.000	46650.000	45830.000
2	20:36:06	58.442%	44.080	924.300	959.100	0.000	46280.000	46070.000	45200.000
3	20:36:49	58.556%	44.170	949.800	961.400	0.000	46170.000	45920.000	45500.000
X		58.055%	44.240	934.200	959.200	0.000	46330.000	46220.000	45510.000
σ		0.772%	0.214	13.660	2.075	0.000	190.100	384.600	316.300
%RSD		1.329	0.483	1.462	0.216	0.000	0.410	0.832	0.695
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:35:23	1662.000	11540.000	0.000	46660.000	52440.000	54610.000	41.990%	888.800
2	20:36:06	1653.000	11380.000	0.000	46620.000	52910.000	54560.000	42.612%	902.300
3	20:36:49	1651.000	11360.000	0.000	46500.000	52450.000	54870.000	42.683%	895.300
X		1655.000	11430.000	0.000	46600.000	52600.000	54680.000	42.428%	895.500
σ		5.789	99.910	0.000	84.860	269.000	162.000	0.381%	6.718
%RSD		0.350	0.874	0.000	0.182	0.511	0.296	0.898	0.750
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:35:23	464.000	184.200	659.800	1129.000	1235.000	444.900	429.500	221.100
2	20:36:06	465.200	185.300	660.900	1131.000	1234.000	442.900	427.700	219.100
3	20:36:49	463.600	183.700	665.200	1142.000	1220.000	444.000	425.300	219.200
X		464.300	184.400	662.000	1134.000	1230.000	443.900	427.500	219.800
σ		0.822	0.827	2.861	7.178	8.466	1.011	2.081	1.110
%RSD		0.177	0.449	0.432	0.633	0.688	0.228	0.487	0.505
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:35:23	219.100	518.800	513.300	32.470	8.173	8.582	0.000	905.700
2	20:36:06	215.900	515.700	524.000	32.350	8.170	8.760	0.000	910.400
3	20:36:49	217.900	519.500	529.000	32.920	8.064	8.634	0.000	916.300
X		217.600	518.000	522.100	32.580	8.135	8.659	0.000	910.800
σ		1.636	2.042	8.014	0.303	0.062	0.091	0.000	5.292
%RSD		0.751	0.394	1.535	0.931	0.763	1.055	0.000	0.581
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:35:23	47.722%	912.300	929.000	42.985%	46.260	46.940	47.320	42.780
2	20:36:06	48.592%	916.100	946.500	43.837%	46.580	47.360	48.360	43.160
3	20:36:49	48.922%	920.100	945.500	44.116%	46.460	47.260	48.140	43.140
X		48.412%	916.200	940.300	43.646%	46.430	47.190	47.940	43.030
σ		0.620%	3.892	9.850	0.589%	0.162	0.215	0.548	0.213
%RSD		1.281	0.425	1.048	1.350	0.349	0.455	1.144	0.494
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:35:23	47.300%	1839.000	454.000	449.100	1841.000	1842.000	56.593%	57.901%
2	20:36:06	48.142%	1855.000	456.600	450.400	1853.000	1845.000	58.518%	59.847%
3	20:36:49	49.062%	1842.000	451.800	450.300	1839.000	1832.000	58.960%	59.982%
X		48.168%	1846.000	454.200	449.900	1844.000	1840.000	58.023%	59.244%
σ		0.882%	8.670	2.389	0.726	7.312	7.137	1.259%	1.164%
%RSD		1.830	0.470	0.526	0.161	0.397	0.388	2.169	1.965
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:35:23	40.880	41.080	16.200	17.460	16.780	60.376%		
2	20:36:06	42.300	41.960	16.450	17.600	17.070	61.321%		
3	20:36:49	42.260	42.500	16.490	17.810	17.090	61.695%		
X		41.810	41.850	16.380	17.620	16.980	61.131%		
σ		0.809	0.718	0.157	0.176	0.172	0.680%		
%RSD		1.934	1.716	0.956	0.999	1.015	1.112		

CCV 781130 4/1/2013 8:39:28 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	20:40:11	56.204%	97.160	108.100	110.700	0.000	47830.000	48350.000	48160.000
2	20:40:54	56.977%	97.620	104.100	106.800	0.000	46810.000	47380.000	47510.000
3	20:41:37	57.388%	99.250	105.000	108.500	0.000	47200.000	47930.000	47910.000
x		56.856%	98.006%	105.745%	108.676%	0.000	94.557%	95.779%	95.725%
σ		0.601%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.057	1.121	1.979	1.773	0.000	1.084	1.020	0.683
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:40:11	466.800	4696.000	0.000	49320.000	46330.000	48540.000	48.460%	98.130
2	20:40:54	459.800	4633.000	0.000	48510.000	46380.000	47610.000	49.732%	94.530
3	20:41:37	467.400	4702.000	0.000	48740.000	46470.000	48100.000	50.790%	97.990
x		92.930%	93.534%	0.000	97.716%	92.789%	96.167%	49.661%	96.886%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.167%	n/a
%RSD		0.908	0.817	0.000	0.853	0.161	0.971	2.350	2.103
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:40:11	96.160	96.570	499.400	26370.000	25350.000	96.140	96.600	97.450
2	20:40:54	95.250	94.680	490.300	25630.000	24860.000	93.990	93.080	96.740
3	20:41:37	94.730	95.640	495.400	25830.000	25200.000	95.260	97.140	97.920
x		95.382%	95.630%	99.008%	103.776%	100.553%	95.130%	95.604%	97.370%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.757	0.992	0.917	1.488	1.007	1.139	2.307	0.608
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:40:11	99.090	105.800	105.800	96.990	99.360	98.870	0.000	95.230
2	20:40:54	97.350	103.000	105.400	96.070	98.550	96.930	0.000	94.820
3	20:41:37	96.960	106.000	105.800	96.180	98.860	99.860	0.000	95.610
x		97.800%	104.952%	105.681%	96.412%	98.924%	98.554%	0.000	95.222%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.161	1.598	0.203	0.519	0.413	1.514	0.000	0.414
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:40:11	50.863%	99.300	99.600	49.271%	94.280	94.740	97.760	99.040
2	20:40:54	52.424%	99.220	100.100	51.112%	92.770	94.070	95.820	96.640
3	20:41:37	53.508%	101.500	102.100	51.580%	94.370	95.130	97.260	98.560
x		52.265%	100.012%	100.581%	50.654%	93.805%	94.648%	96.950%	98.080%
σ		1.329%	n/a	n/a	1.220%	n/a	n/a	n/a	n/a
%RSD		2.543	1.297	1.305	2.409	0.954	0.567	1.040	1.296
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:40:11	51.562%	95.360	95.900	94.740	95.610	94.830	58.307%	58.817%
2	20:40:54	53.013%	95.650	95.390	95.120	93.090	93.350	60.443%	60.929%
3	20:41:37	54.052%	95.180	95.470	95.870	94.280	94.920	61.601%	61.618%
x		52.876%	95.395%	95.587%	95.245%	94.328%	94.368%	60.117%	60.455%
σ		1.251%	n/a	n/a	n/a	n/a	n/a	1.671%	1.459%
%RSD		2.365	0.251	0.288	0.602	1.336	0.933	2.780	2.414
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:40:11	94.650	94.740	95.420	95.290	95.040	54.576%		
2	20:40:54	93.670	94.080	94.820	95.590	94.790	56.385%		
3	20:41:37	95.300	96.100	96.290	96.800	96.460	56.505%		
x		94.542%	94.971%	95.510%	95.891%	95.430%	55.822%		
σ		n/a	n/a	n/a	n/a	n/a	1.080%		
%RSD		0.869	1.086	0.776	0.834	0.947	1.935		

CCB6 4/1/2013 8:44:18 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	20:45:01	82.823%	-0.004	7.271	7.923	0.000	18.520	16.740	16.690
2	20:45:44	85.507%	0.027	6.479	7.011	0.000	15.050	17.710	17.480
3	20:46:27	85.848%	-0.004	5.889	6.625	0.000	12.680	18.330	19.030
X		84.726%	0.006	6.546	7.186	0.000	15.410	17.600	17.730
σ		1.657%	0.018	0.694	0.666	0.000	2.939	0.800	1.187
%RSD		1.956	288.400	10.600	9.275	0.000	19.070	4.549	6.695
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:45:01	3.234	-1.507	0.000	-3.413	10.090	18.350	83.115%	0.070
2	20:45:44	3.190	-2.166	0.000	-5.399	17.050	17.920	83.267%	0.242
3	20:46:27	3.165	-2.000	0.000	-6.073	20.110	22.700	83.024%	0.135
X		3.196	-1.891	0.000	-4.962	15.750	19.660	83.135%	0.149
σ		0.035	0.342	0.000	1.382	5.134	2.646	0.123%	0.087
%RSD		1.087	18.100	0.000	27.860	32.590	13.460	0.148	58.130
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:45:01	-0.053	0.118	0.267	-5.110	8.518	0.047	0.079	0.334
2	20:45:44	-0.048	0.100	0.281	-5.095	9.368	0.039	0.087	0.202
3	20:46:27	0.007	0.100	0.330	-5.334	9.664	0.046	0.084	0.147
X		-0.031	0.106	0.293	-5.180	9.184	0.044	0.083	0.228
σ		0.034	0.010	0.033	0.134	0.595	0.005	0.004	0.096
%RSD		106.900	9.670	11.410	2.590	6.476	10.510	4.981	42.130
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:45:01	0.118	0.366	0.312	-0.417	-1.098	-1.700	0.000	0.086
2	20:45:44	0.107	0.357	0.346	-0.404	-0.924	-1.753	0.000	0.093
3	20:46:27	0.112	0.327	0.375	-0.520	-1.277	-1.669	0.000	0.109
X		0.112	0.350	0.344	-0.447	-1.100	-1.707	0.000	0.096
σ		0.006	0.021	0.031	0.064	0.176	0.042	0.000	0.012
%RSD		5.165	5.891	9.061	14.270	16.030	2.484	0.000	12.190
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:45:01	95.089%	0.374	0.480	95.462%	0.031	0.026	-0.132	-0.074
2	20:45:44	96.623%	0.430	0.390	95.581%	0.031	0.029	-0.121	-0.090
3	20:46:27	97.278%	0.213	0.256	96.572%	0.032	0.025	-0.125	-0.068
X		96.330%	0.339	0.375	95.872%	0.031	0.027	-0.126	-0.078
σ		1.124%	0.113	0.113	0.609%	0.001	0.002	0.005	0.012
%RSD		1.167	33.310	29.990	0.636	2.050	8.438	4.206	14.900
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:45:01	90.898%	0.253	0.049	0.063	0.149	0.170	95.827%	96.031%
2	20:45:44	91.494%	0.245	0.055	0.055	0.236	0.179	97.768%	98.361%
3	20:46:27	92.705%	0.216	0.057	0.070	0.243	0.182	98.616%	99.228%
X		91.699%	0.238	0.054	0.063	0.209	0.177	97.404%	97.873%
σ		0.921%	0.020	0.004	0.008	0.052	0.006	1.430%	1.653%
%RSD		1.004	8.227	8.114	12.270	25.060	3.602	1.468	1.689
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:45:01	0.070	0.068	0.082	0.078	0.071	96.037%		
2	20:45:44	0.067	0.066	0.067	0.068	0.070	97.544%		
3	20:46:27	0.061	0.062	0.069	0.083	0.070	97.978%		
X		0.066	0.065	0.073	0.076	0.070	97.186%		
σ		0.005	0.003	0.008	0.007	0.001	1.019%		
%RSD		7.351	3.934	10.770	9.831	1.051	1.048		

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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	20:49:52	56.302%	0.016	11.460	11.630	0.000	2233.000	2249.000	2222.000
2	20:50:35	57.283%	0.006	10.880	10.710	0.000	2173.000	2185.000	2158.000
3	20:51:18	56.292%	0.016	9.775	10.430	0.000	2260.000	2303.000	2266.000
X		56.626%	0.013	10.700	10.920	0.000	2222.000	2246.000	2215.000
σ		0.569%	0.006	0.856	0.628	0.000	44.390	59.030	54.310
%RSD		1.005	47.500	7.999	5.755	0.000	1.998	2.629	2.452
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:49:52	13.480	3650.000	0.000	1213.000	7097.000	7301.000	41.735%	1.175
2	20:50:35	13.130	3524.000	0.000	1184.000	6855.000	7208.000	41.700%	1.626
3	20:51:18	13.390	3654.000	0.000	1233.000	7243.000	7529.000	40.872%	1.900
X		13.330	3609.000	0.000	1210.000	7065.000	7346.000	41.436%	1.567
σ		0.181	73.700	0.000	24.580	195.900	165.300	0.488%	0.366
%RSD		1.361	2.042	0.000	2.031	2.773	2.250	1.179	23.380
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:49:52	0.741	0.760	137.500	243.200	257.800	2.006	0.576	2.596
2	20:50:35	1.167	0.687	136.700	239.600	257.400	1.938	0.530	2.452
3	20:51:18	0.348	0.733	143.700	251.600	261.700	2.055	0.640	2.526
X		0.752	0.726	139.300	244.800	259.000	2.000	0.582	2.525
σ		0.410	0.037	3.832	6.144	2.371	0.059	0.055	0.072
%RSD		54.520	5.079	2.752	2.510	0.916	2.942	9.521	2.849
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:49:52	2.591	78.860	79.730	0.111	-0.312	0.354	0.000	22.770
2	20:50:35	2.374	77.940	79.980	0.135	-0.310	0.118	0.000	22.510
3	20:51:18	2.428	83.190	82.290	-0.821	-0.552	0.315	0.000	23.550
X		2.464	80.000	80.660	-0.192	-0.391	0.262	0.000	22.940
σ		0.113	2.806	1.414	0.545	0.139	0.127	0.000	0.541
%RSD		4.594	3.508	1.753	284.500	35.570	48.300	0.000	2.358
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:49:52	49.436%	0.439	0.430	44.674%	0.002	0.008	0.044	0.090
2	20:50:35	49.821%	0.296	0.424	45.388%	-0.003	0.003	0.094	0.105
3	20:51:18	49.356%	0.364	0.348	44.408%	-0.002	0.005	0.059	0.102
X		49.538%	0.366	0.401	44.823%	-0.001	0.005	0.066	0.099
σ		0.249%	0.071	0.046	0.507%	0.002	0.003	0.026	0.008
%RSD		0.502	19.510	11.420	1.131	233.100	55.680	38.960	8.205
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:49:52	48.204%	8.314	0.207	0.239	18.100	18.080	56.682%	57.171%
2	20:50:35	49.680%	7.662	0.224	0.210	18.210	17.730	58.871%	59.389%
3	20:51:18	49.060%	6.736	0.191	0.203	18.540	18.550	57.844%	58.747%
X		48.981%	7.570	0.207	0.217	18.280	18.120	57.799%	58.436%
σ		0.741%	0.793	0.016	0.019	0.228	0.411	1.095%	1.141%
%RSD		1.513	10.470	7.812	8.879	1.247	2.266	1.895	1.953
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:49:52	0.046	0.053	-0.002	-0.008	-0.008	66.079%		
2	20:50:35	0.062	0.058	-0.004	-0.013	-0.013	67.661%		
3	20:51:18	0.060	0.060	-0.004	-0.003	-0.006	66.568%		
X		0.056	0.057	-0.003	-0.008	-0.009	66.769%		
σ		0.009	0.004	0.001	0.005	0.004	0.810%		
%RSD		15.290	6.263	33.200	59.770	38.790	1.213		

180-19804-B-11-A 4/1/2013 8:53:58 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	20:54:41	57.116%	0.006	7.728	8.330	0.000	1530.000	2051.000	2004.000
2	20:55:24	56.822%	-0.004	7.084	7.607	0.000	1524.000	2033.000	1999.000
3	20:56:07	56.379%	0.026	7.419	8.106	0.000	1537.000	2044.000	1998.000
x		56.772%	0.009	7.410	8.014	0.000	1530.000	2043.000	2000.000
σ		0.371%	0.015	0.322	0.370	0.000	6.223	9.207	3.201
%RSD		0.653	163.700	4.345	4.621	0.000	0.407	0.451	0.160
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:54:41	11.400	3616.000	0.000	1052.000	5731.000	5892.000	41.369%	1.163
2	20:55:24	11.150	3592.000	0.000	1060.000	5746.000	6011.000	41.324%	1.857
3	20:56:07	11.240	3553.000	0.000	1061.000	5805.000	5987.000	41.024%	1.259
x		11.270	3587.000	0.000	1057.000	5761.000	5963.000	41.239%	1.426
σ		0.126	31.620	0.000	5.156	38.690	63.130	0.187%	0.376
%RSD		1.120	0.882	0.000	0.488	0.672	1.059	0.455	26.350
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:54:41	0.435	0.841	140.400	226.600	239.700	1.267	0.456	1.636
2	20:55:24	0.773	0.810	140.600	223.400	240.500	1.289	0.353	1.641
3	20:56:07	0.720	0.716	141.100	223.000	237.700	1.248	0.432	1.591
x		0.643	0.789	140.700	224.400	239.300	1.268	0.414	1.622
σ		0.182	0.065	0.326	1.989	1.432	0.021	0.054	0.027
%RSD		28.280	8.222	0.232	0.886	0.598	1.625	12.980	1.668
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:54:41	1.764	31.760	32.050	-0.519	-0.524	-0.160	0.000	17.500
2	20:55:24	1.541	31.660	31.630	-0.576	-0.470	-0.415	0.000	17.640
3	20:56:07	1.471	31.020	31.840	0.027	-0.454	-0.380	0.000	17.450
x		1.592	31.480	31.840	-0.356	-0.482	-0.318	0.000	17.530
σ		0.153	0.402	0.211	0.333	0.037	0.139	0.000	0.100
%RSD		9.625	1.278	0.663	93.490	7.599	43.540	0.000	0.568
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:54:41	50.012%	-0.002	0.015	44.508%	-0.004	-0.001	-0.041	-0.027
2	20:55:24	50.287%	0.020	-0.003	44.658%	-0.004	0.003	-0.076	-0.096
3	20:56:07	50.807%	-0.053	-0.006	44.804%	0.003	-0.002	0.034	0.001
x		50.369%	-0.012	0.002	44.656%	-0.002	0.000	-0.028	-0.041
σ		0.404%	0.037	0.011	0.148%	0.004	0.002	0.056	0.050
%RSD		0.802	321.000	595.200	0.332	217.700	3447.000	204.200	122.400
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:54:41	47.904%	5.153	0.141	0.122	13.520	13.470	56.218%	57.086%
2	20:55:24	49.017%	5.168	0.145	0.180	13.670	13.240	57.825%	58.763%
3	20:56:07	49.147%	4.804	0.136	0.162	13.590	13.750	58.055%	59.577%
x		48.689%	5.042	0.141	0.155	13.590	13.490	57.366%	58.475%
σ		0.683%	0.206	0.005	0.029	0.071	0.257	1.001%	1.270%
%RSD		1.404	4.080	3.452	18.980	0.525	1.908	1.745	2.172
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:54:41	0.037	0.042	-0.006	-0.011	-0.009	65.608%		
2	20:55:24	0.045	0.037	-0.005	-0.006	-0.006	67.296%		
3	20:56:07	0.028	0.043	-0.021	-0.002	-0.008	67.664%		
x		0.037	0.041	-0.011	-0.006	-0.008	66.856%		
σ		0.008	0.003	0.009	0.005	0.002	1.096%		
%RSD		22.070	7.613	79.850	70.160	19.900	1.640		

180-19804-B-12-A 4/1/2013 8:58:47 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	20:59:30	55.998%	0.125	6.644	7.616	0.000	4090.000	2441.000	2413.000
2	21:00:13	56.039%	0.066	6.901	7.533	0.000	4132.000	2465.000	2436.000
3	21:00:56	56.096%	0.036	7.401	7.801	0.000	4059.000	2428.000	2396.000
x		56.044%	0.076	6.982	7.650	0.000	4093.000	2445.000	2415.000
σ		0.049%	0.045	0.385	0.137	0.000	36.610	18.340	20.260
%RSD		0.087	59.970	5.517	1.789	0.000	0.894	0.750	0.839
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:59:30	16.340	3563.000	0.000	1518.000	9217.000	9809.000	40.692%	0.878
2	21:00:13	16.940	3577.000	0.000	1542.000	9468.000	9913.000	39.925%	1.254
3	21:00:56	15.720	3536.000	0.000	1526.000	9287.000	9793.000	40.397%	1.106
x		16.330	3559.000	0.000	1529.000	9324.000	9839.000	40.338%	1.079
σ		0.608	21.060	0.000	12.110	129.200	65.190	0.387%	0.189
%RSD		3.724	0.592	0.000	0.792	1.386	0.663	0.959	17.540
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:59:30	-0.396	0.820	104.100	160.100	177.100	2.157	0.735	5.878
2	21:00:13	0.088	0.696	105.200	160.300	177.200	2.250	0.761	5.886
3	21:00:56	0.087	0.776	103.400	158.100	177.600	2.251	0.723	5.727
x		-0.074	0.764	104.200	159.500	177.300	2.219	0.740	5.830
σ		0.280	0.063	0.910	1.235	0.286	0.054	0.019	0.090
%RSD		379.600	8.263	0.873	0.774	0.162	2.433	2.585	1.540
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:59:30	5.938	219.400	224.100	0.598	-0.045	0.401	0.000	35.150
2	21:00:13	6.061	221.700	226.100	-0.736	-0.125	0.681	0.000	35.320
3	21:00:56	5.783	220.400	224.100	-0.795	-0.064	0.220	0.000	35.520
x		5.927	220.500	224.800	-0.311	-0.078	0.434	0.000	35.330
σ		0.139	1.123	1.171	0.788	0.042	0.232	0.000	0.186
%RSD		2.350	0.509	0.521	253.500	53.930	53.530	0.000	0.527
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:59:30	45.589%	-0.037	0.037	43.929%	0.001	0.002	0.588	0.570
2	21:00:13	46.086%	0.074	-0.025	43.904%	-0.003	-0.001	0.714	0.613
3	21:00:56	46.173%	0.047	0.076	44.322%	-0.002	0.006	0.660	0.627
x		45.949%	0.028	0.029	44.052%	-0.001	0.002	0.654	0.603
σ		0.315%	0.058	0.051	0.234%	0.002	0.003	0.063	0.029
%RSD		0.686	204.200	172.100	0.532	138.600	140.900	9.669	4.880
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:59:30	47.717%	4.272	0.201	0.180	31.750	31.330	56.338%	57.517%
2	21:00:13	47.850%	4.338	0.203	0.184	32.040	32.130	57.102%	57.843%
3	21:00:56	48.776%	4.011	0.218	0.187	31.810	31.870	57.957%	58.979%
x		48.115%	4.207	0.207	0.184	31.870	31.780	57.133%	58.113%
σ		0.577%	0.173	0.009	0.004	0.152	0.407	0.810%	0.768%
%RSD		1.199	4.108	4.297	2.028	0.477	1.280	1.418	1.321
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:59:30	0.041	0.037	-0.018	-0.020	-0.018	65.169%		
2	21:00:13	0.038	0.039	-0.012	-0.012	-0.016	65.050%		
3	21:00:56	0.045	0.035	-0.015	-0.001	-0.013	66.855%		
x		0.041	0.037	-0.015	-0.011	-0.016	65.691%		
σ		0.004	0.002	0.003	0.010	0.003	1.010%		
%RSD		8.845	5.143	22.870	87.650	19.050	1.537		

180-19804-B-13-A 4/1/2013 9:03:36 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	21:04:19	54.597%	0.017	6.059	7.048	0.000	4520.000	2037.000	2009.000
2	21:05:02	56.243%	0.036	7.009	6.964	0.000	4215.000	1924.000	1895.000
3	21:05:45	56.210%	0.016	6.625	6.587	0.000	4219.000	1938.000	1891.000
x		55.683%	0.023	6.564	6.866	0.000	4318.000	1966.000	1932.000
σ		0.941%	0.011	0.477	0.246	0.000	174.700	61.910	66.710
%RSD		1.690	47.970	7.274	3.578	0.000	4.045	3.149	3.454
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:04:19	11.730	3627.000	0.000	1565.000	7304.000	7481.000	39.198%	1.440
2	21:05:02	10.450	3400.000	0.000	1493.000	6853.000	7032.000	40.199%	1.313
3	21:05:45	10.520	3378.000	0.000	1487.000	6758.000	7002.000	40.505%	1.435
x		10.900	3468.000	0.000	1515.000	6972.000	7172.000	39.967%	1.396
σ		0.719	137.800	0.000	43.670	291.500	268.000	0.684%	0.072
%RSD		6.592	3.974	0.000	2.883	4.182	3.737	1.710	5.168
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:04:19	0.329	0.890	74.190	168.700	187.100	1.710	0.409	4.860
2	21:05:02	1.129	0.832	69.450	159.200	170.500	1.580	0.469	4.550
3	21:05:45	0.352	0.954	69.130	157.200	169.600	1.592	0.515	4.500
x		0.603	0.892	70.920	161.700	175.700	1.627	0.464	4.636
σ		0.455	0.061	2.835	6.165	9.896	0.072	0.053	0.195
%RSD		75.450	6.871	3.997	3.812	5.632	4.407	11.380	4.204
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:04:19	4.963	68.170	70.520	0.033	-0.390	0.230	0.000	31.910
2	21:05:02	4.507	65.470	67.480	-0.318	-0.361	0.668	0.000	30.310
3	21:05:45	4.386	64.560	65.870	-1.128	-0.504	0.420	0.000	30.400
x		4.619	66.070	67.960	-0.471	-0.418	0.439	0.000	30.880
σ		0.304	1.878	2.359	0.595	0.076	0.219	0.000	0.898
%RSD		6.590	2.843	3.471	126.300	18.110	49.950	0.000	2.908
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:04:19	43.914%	-0.091	-0.085	42.545%	0.006	-0.002	0.315	0.320
2	21:05:02	45.791%	-0.138	-0.138	44.412%	-0.001	0.005	0.225	0.298
3	21:05:45	46.198%	-0.136	-0.138	44.604%	0.001	0.002	0.346	0.354
x		45.301%	-0.122	-0.120	43.853%	0.002	0.002	0.295	0.324
σ		1.218%	0.027	0.030	1.137%	0.003	0.003	0.063	0.028
%RSD		2.689	21.970	25.240	2.594	178.200	197.100	21.250	8.648
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:04:19	46.358%	4.106	0.193	0.209	34.250	33.650	54.282%	55.226%
2	21:05:02	48.199%	3.883	0.177	0.181	33.240	32.080	57.442%	58.719%
3	21:05:45	48.527%	3.825	0.185	0.177	31.790	31.980	58.594%	59.675%
x		47.695%	3.938	0.185	0.189	33.090	32.570	56.773%	57.873%
σ		1.170%	0.149	0.008	0.017	1.237	0.939	2.233%	2.342%
%RSD		2.452	3.772	4.121	9.070	3.737	2.883	3.933	4.047
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:04:19	0.034	0.028	0.001	-0.002	-0.006	62.974%		
2	21:05:02	0.030	0.032	-0.012	-0.016	-0.015	65.815%		
3	21:05:45	0.029	0.031	-0.004	-0.011	-0.011	66.715%		
x		0.031	0.030	-0.005	-0.010	-0.011	65.168%		
σ		0.003	0.002	0.007	0.007	0.005	1.953%		
%RSD		8.591	6.261	138.200	74.880	42.480	2.996		

180-19804-B-14-A 4/1/2013 9:08:26 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	21:09:09	59.821%	0.014	4.901	5.532	0.000	1441.000	695.500	687.900
2	21:09:52	59.115%	-0.014	5.396	5.671	0.000	1466.000	704.500	691.900
3	21:10:35	59.762%	-0.005	5.409	5.261	0.000	1470.000	704.100	691.500
X		59.566%	-0.002	5.235	5.488	0.000	1459.000	701.300	690.500
σ		0.392%	0.014	0.289	0.208	0.000	15.460	5.078	2.223
%RSD		0.658	864.200	5.528	3.796	0.000	1.059	0.724	0.322
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:09:09	13.660	3516.000	0.000	918.100	2232.000	2245.000	42.554%	1.092
2	21:09:52	14.170	3529.000	0.000	936.500	2165.000	2319.000	41.975%	1.192
3	21:10:35	14.330	3545.000	0.000	943.800	2208.000	2291.000	41.794%	1.283
X		14.050	3530.000	0.000	932.800	2202.000	2285.000	42.107%	1.189
σ		0.347	14.550	0.000	13.240	34.080	37.430	0.397%	0.096
%RSD		2.468	0.412	0.000	1.419	1.548	1.638	0.943	8.038
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:09:09	1.871	1.312	96.460	196.400	204.200	1.428	0.270	0.772
2	21:09:52	1.777	1.397	98.170	198.700	205.400	1.457	0.298	0.839
3	21:10:35	0.594	1.367	99.300	201.900	217.000	1.565	0.237	0.713
X		1.414	1.359	97.980	199.000	208.800	1.483	0.268	0.775
σ		0.712	0.043	1.431	2.758	7.059	0.072	0.031	0.063
%RSD		50.360	3.178	1.460	1.386	3.380	4.847	11.390	8.117
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:09:09	0.812	3.749	3.858	0.534	-0.567	0.395	0.000	13.090
2	21:09:52	0.833	3.581	4.015	-0.508	-0.387	0.070	0.000	13.470
3	21:10:35	0.801	3.976	3.711	0.042	-0.510	0.062	0.000	13.580
X		0.815	3.769	3.861	0.023	-0.488	0.176	0.000	13.380
σ		0.016	0.199	0.152	0.521	0.092	0.190	0.000	0.256
%RSD		1.952	5.271	3.930	2295.000	18.840	107.900	0.000	1.911
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:09:09	46.579%	-0.143	-0.175	45.519%	-0.003	0.001	-0.136	-0.091
2	21:09:52	46.795%	-0.175	-0.176	45.748%	-0.001	-0.001	-0.110	-0.096
3	21:10:35	47.150%	-0.149	-0.159	45.979%	-0.004	0.005	-0.089	-0.059
X		46.841%	-0.156	-0.170	45.749%	-0.003	0.002	-0.112	-0.082
σ		0.288%	0.017	0.010	0.230%	0.002	0.003	0.023	0.020
%RSD		0.615	10.970	5.800	0.503	63.200	155.500	20.990	24.710
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:09:09	49.091%	2.925	0.177	0.181	11.680	11.790	57.663%	58.503%
2	21:09:52	49.844%	3.122	0.154	0.170	12.110	11.610	58.656%	59.825%
3	21:10:35	50.240%	2.987	0.168	0.164	12.150	11.920	58.990%	59.827%
X		49.725%	3.011	0.166	0.172	11.980	11.770	58.436%	59.385%
σ		0.584%	0.101	0.011	0.009	0.260	0.154	0.690%	0.764%
%RSD		1.174	3.348	6.831	5.187	2.169	1.303	1.181	1.286
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:09:09	0.019	0.013	-0.010	-0.009	-0.010	68.232%		
2	21:09:52	0.021	0.021	-0.007	-0.008	-0.004	67.630%		
3	21:10:35	0.022	0.021	-0.009	-0.014	-0.008	68.312%		
X		0.021	0.018	-0.009	-0.010	-0.007	68.058%		
σ		0.001	0.004	0.001	0.003	0.003	0.373%		
%RSD		6.744	23.110	15.150	28.630	40.110	0.548		

180-19804-B-15-A 4/1/2013 9:13:16 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	21:13:59	54.924%	0.088	5.872	5.936	0.000	2603.000	12350.000	12250.000
2	21:14:42	56.330%	0.046	4.526	6.036	0.000	2577.000	12340.000	12210.000
3	21:15:25	56.383%	0.115	5.212	4.780	0.000	2587.000	12420.000	12210.000
X		55.879%	0.083	5.203	5.584	0.000	2589.000	12370.000	12220.000
σ		0.827%	0.035	0.673	0.698	0.000	13.000	43.830	24.790
%RSD		1.480	42.010	12.930	12.500	0.000	0.502	0.354	0.203
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:13:59	15.190	2669.000	0.000	3840.000	52830.000	55020.000	39.726%	0.518
2	21:14:42	15.710	2647.000	0.000	3820.000	53740.000	55810.000	39.579%	0.474
3	21:15:25	15.340	2637.000	0.000	3803.000	53250.000	55810.000	39.612%	0.973
X		15.410	2651.000	0.000	3821.000	53270.000	55550.000	39.639%	0.655
σ		0.270	16.610	0.000	18.660	452.300	451.800	0.077%	0.276
%RSD		1.754	0.626	0.000	0.488	0.849	0.813	0.195	42.180
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:13:59	0.927	0.888	1651.000	31.670	111.900	28.740	5.009	29.120
2	21:14:42	0.162	0.949	1661.000	31.660	105.100	28.780	5.321	29.160
3	21:15:25	0.268	0.877	1660.000	31.860	103.300	28.890	5.265	29.290
X		0.452	0.905	1657.000	31.730	106.800	28.800	5.198	29.190
σ		0.414	0.039	5.604	0.113	4.519	0.080	0.166	0.091
%RSD		91.610	4.259	0.338	0.355	4.232	0.278	3.200	0.313
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:13:59	29.460	337.500	345.900	0.991	-0.096	2.130	0.000	140.000
2	21:14:42	29.150	340.700	346.300	-0.639	0.074	1.529	0.000	142.000
3	21:15:25	29.040	339.800	344.500	-0.323	0.003	1.600	0.000	142.100
X		29.220	339.300	345.600	0.010	-0.006	1.753	0.000	141.400
σ		0.218	1.678	0.943	0.865	0.086	0.329	0.000	1.201
%RSD		0.747	0.495	0.273	8927.000	1344.000	18.740	0.000	0.850
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:13:59	0.000	-0.148	-0.120	42.791%	-0.004	-0.004	0.803	0.725
2	21:14:42	0.000	-0.191	-0.147	43.229%	0.003	0.003	0.877	0.682
3	21:15:25	0.000	-0.128	-0.215	43.228%	-0.000	0.003	0.726	0.708
X		0.000	-0.156	-0.161	43.083%	-0.000	0.001	0.802	0.705
σ		0.000	0.032	0.049	0.253%	0.003	0.004	0.076	0.022
%RSD		0.000	20.810	30.260	0.587	1006.000	621.200	9.457	3.103
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:13:59	46.605%	3.250	0.231	0.256	17.720	17.570	58.684%	61.715%
2	21:14:42	47.649%	3.309	0.221	0.219	17.290	17.520	60.690%	63.418%
3	21:15:25	47.700%	3.220	0.232	0.234	17.220	18.030	60.848%	63.179%
X		47.318%	3.260	0.228	0.236	17.410	17.710	60.074%	62.771%
σ		0.618%	0.045	0.006	0.019	0.274	0.284	1.206%	0.922%
%RSD		1.306	1.381	2.575	7.902	1.574	1.605	2.008	1.469
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:13:59	0.096	0.110	-0.016	-0.014	-0.013	62.388%		
2	21:14:42	0.121	0.102	-0.016	-0.025	-0.017	63.591%		
3	21:15:25	0.094	0.099	-0.020	-0.014	-0.015	64.511%		
X		0.104	0.104	-0.017	-0.018	-0.015	63.497%		
σ		0.015	0.006	0.002	0.006	0.002	1.065%		
%RSD		14.600	5.426	14.340	35.160	13.440	1.677		

180-19804-B-16-A 4/1/2013 9:18:07 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	21:18:50	54.995%	0.148	4.818	5.718	0.000	4116.000	11690.000	11510.000
2	21:19:33	56.658%	0.094	5.075	5.251	0.000	3847.000	10990.000	10830.000
3	21:20:16	56.219%	0.056	5.260	5.896	0.000	3931.000	11230.000	11080.000
X		55.957%	0.099	5.051	5.622	0.000	3965.000	11300.000	11140.000
σ		0.862%	0.046	0.222	0.333	0.000	137.300	354.700	345.000
%RSD		1.540	46.750	4.398	5.926	0.000	3.463	3.138	3.097
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:18:50	10.970	2924.000	0.000	3707.000	49120.000	51210.000	39.113%	0.619
2	21:19:33	9.939	2717.000	0.000	3450.000	46300.000	48130.000	40.075%	0.737
3	21:20:16	10.250	2772.000	0.000	3492.000	46860.000	49220.000	39.651%	0.904
X		10.390	2805.000	0.000	3550.000	47420.000	49520.000	39.613%	0.753
σ		0.529	107.200	0.000	138.000	1494.000	1562.000	0.482%	0.143
%RSD		5.095	3.821	0.000	3.888	3.151	3.156	1.217	19.040
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:18:50	0.702	0.817	1577.000	34.610	110.200	27.440	4.993	17.640
2	21:19:33	0.693	0.751	1482.000	30.650	99.850	25.420	4.641	17.220
3	21:20:16	1.001	0.905	1510.000	31.800	95.610	26.270	4.888	17.280
X		0.798	0.824	1523.000	32.350	101.900	26.370	4.841	17.380
σ		0.175	0.078	48.930	2.039	7.482	1.015	0.181	0.231
%RSD		21.970	9.421	3.212	6.302	7.344	3.847	3.741	1.329
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:18:50	17.490	335.000	341.400	-0.026	0.024	1.732	0.000	132.100
2	21:19:33	16.830	318.100	324.400	-0.390	-0.101	1.885	0.000	124.400
3	21:20:16	16.850	325.300	332.000	0.581	-0.244	1.226	0.000	127.100
X		17.060	326.100	332.600	0.055	-0.107	1.614	0.000	127.900
σ		0.376	8.486	8.522	0.490	0.134	0.345	0.000	3.880
%RSD		2.203	2.602	2.562	888.000	125.300	21.360	0.000	3.035
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:18:50	0.000	-0.197	-0.217	41.876%	-0.001	0.003	0.845	0.709
2	21:19:33	0.000	-0.164	-0.188	43.621%	-0.004	-0.001	0.663	0.653
3	21:20:16	0.000	-0.187	-0.201	43.064%	0.002	0.002	0.712	0.673
X		0.000	-0.183	-0.202	42.854%	-0.001	0.002	0.740	0.678
σ		0.000	0.017	0.015	0.891%	0.003	0.002	0.094	0.028
%RSD		0.000	9.520	7.323	2.079	281.400	129.000	12.740	4.182
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:18:50	46.024%	2.959	0.128	0.136	21.950	21.170	57.004%	59.120%
2	21:19:33	48.080%	2.825	0.141	0.168	20.260	19.660	59.627%	62.032%
3	21:20:16	47.364%	3.039	0.159	0.186	20.940	20.620	59.379%	61.489%
X		47.156%	2.941	0.143	0.163	21.050	20.480	58.670%	60.880%
σ		1.044%	0.108	0.016	0.026	0.852	0.765	1.448%	1.549%
%RSD		2.213	3.672	10.880	15.710	4.045	3.735	2.469	2.544
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:18:50	0.110	0.103	-0.032	-0.031	-0.032	61.477%		
2	21:19:33	0.094	0.089	-0.034	-0.027	-0.033	64.994%		
3	21:20:16	0.096	0.096	-0.034	-0.029	-0.033	63.912%		
X		0.100	0.096	-0.033	-0.029	-0.033	63.461%		
σ		0.009	0.007	0.001	0.002	0.001	1.801%		
%RSD		8.569	7.421	3.580	6.614	2.415	2.839		

180-19804-B-17-A 4/1/2013 9:22:57 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	21:23:40	54.720%	0.584	4.162	4.279	0.000	2388.000	5080.000	5022.000
2	21:24:23	54.490%	0.374	4.368	4.540	0.000	2354.000	5057.000	5000.000
3	21:25:06	55.831%	0.375	4.049	4.128	0.000	2271.000	4876.000	4783.000
X		55.014%	0.444	4.193	4.316	0.000	2338.000	5004.000	4935.000
σ		0.717%	0.121	0.162	0.208	0.000	59.830	111.800	132.400
%RSD		1.304	27.300	3.865	4.832	0.000	2.560	2.234	2.682
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:23:40	511.000	3630.000	0.000	1996.000	22180.000	23040.000	39.375%	1.094
2	21:24:23	507.500	3597.000	0.000	2016.000	22420.000	23230.000	38.762%	0.856
3	21:25:06	490.100	3422.000	0.000	1944.000	22050.000	22630.000	39.205%	0.869
X		502.900	3550.000	0.000	1985.000	22220.000	22970.000	39.114%	0.940
σ		11.180	111.700	0.000	37.500	186.700	307.400	0.317%	0.134
%RSD		2.223	3.147	0.000	1.889	0.840	1.339	0.809	14.230
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:23:40	0.323	0.897	1030.000	39.700	75.520	23.520	9.571	31.900
2	21:24:23	-0.055	0.972	1045.000	39.710	78.630	23.380	9.642	31.920
3	21:25:06	-0.510	0.934	1003.000	37.580	73.320	22.500	9.355	30.720
X		-0.081	0.935	1026.000	39.000	75.820	23.130	9.523	31.510
σ		0.417	0.037	20.940	1.229	2.666	0.553	0.149	0.690
%RSD		517.100	3.989	2.041	3.152	3.517	2.391	1.569	2.188
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:23:40	31.840	413.100	420.500	0.170	-0.071	1.636	0.000	54.030
2	21:24:23	31.930	419.100	425.600	0.109	0.088	2.392	0.000	54.860
3	21:25:06	30.890	399.400	414.600	-0.311	0.498	2.497	0.000	53.370
X		31.550	410.500	420.200	-0.011	0.172	2.175	0.000	54.090
σ		0.577	10.080	5.519	0.262	0.293	0.470	0.000	0.751
%RSD		1.830	2.456	1.313	2444.000	170.800	21.610	0.000	1.388
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:23:40	0.000	-0.227	-0.235	42.562%	0.003	0.004	0.896	0.837
2	21:24:23	0.000	-0.208	-0.245	42.653%	-0.004	0.007	1.093	0.941
3	21:25:06	0.000	-0.258	-0.244	43.160%	-0.000	-0.004	0.646	0.772
X		0.000	-0.231	-0.241	42.792%	-0.000	0.002	0.878	0.850
σ		0.000	0.026	0.005	0.322%	0.004	0.006	0.224	0.085
%RSD		0.000	11.100	2.121	0.753	1345.000	242.600	25.510	10.020
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:23:40	46.402%	2.544	0.125	0.107	29.330	29.910	59.039%	62.452%
2	21:24:23	47.158%	2.537	0.108	0.100	29.120	29.710	60.662%	63.924%
3	21:25:06	47.966%	2.415	0.108	0.115	29.390	29.540	62.183%	65.260%
X		47.175%	2.498	0.114	0.108	29.280	29.720	60.628%	63.879%
σ		0.782%	0.073	0.010	0.007	0.138	0.185	1.572%	1.404%
%RSD		1.657	2.913	8.743	6.917	0.472	0.621	2.594	2.199
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:23:40	0.070	0.067	0.122	0.141	0.134	63.083%		
2	21:24:23	0.079	0.072	0.131	0.122	0.123	64.464%		
3	21:25:06	0.066	0.061	0.116	0.129	0.120	66.304%		
X		0.072	0.067	0.123	0.131	0.126	64.617%		
σ		0.006	0.005	0.008	0.010	0.008	1.616%		
%RSD		9.084	8.179	6.299	7.481	6.057	2.500		

180-19804-B-18-A 4/1/2013 9:27:48 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	21:28:31	54.427%	0.313	4.702	4.184	0.000	2278.000	5300.000	5244.000
2	21:29:14	55.124%	0.309	4.249	3.989	0.000	2233.000	5209.000	5137.000
3	21:29:57	54.334%	0.324	4.319	4.580	0.000	2289.000	5358.000	5268.000
X		54.628%	0.316	4.423	4.251	0.000	2266.000	5289.000	5216.000
σ		0.432%	0.008	0.244	0.301	0.000	29.790	74.890	69.870
%RSD		0.790	2.458	5.523	7.078	0.000	1.315	1.416	1.340
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:28:31	118.600	3706.000	0.000	1986.000	23890.000	24560.000	38.360%	1.053
2	21:29:14	117.000	3620.000	0.000	1968.000	23410.000	24310.000	38.759%	0.787
3	21:29:57	120.600	3733.000	0.000	2041.000	24340.000	25000.000	38.234%	0.798
X		118.700	3686.000	0.000	1998.000	23880.000	24620.000	38.451%	0.879
σ		1.774	59.110	0.000	38.400	467.000	348.500	0.274%	0.151
%RSD		1.494	1.604	0.000	1.921	1.956	1.415	0.712	17.140
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:28:31	1.277	0.954	893.400	17.590	52.470	19.180	6.893	75.020
2	21:29:14	0.116	0.951	898.100	15.630	47.560	19.060	7.075	74.180
3	21:29:57	0.225	0.889	921.700	16.590	53.100	19.320	6.554	76.060
X		0.539	0.931	904.400	16.600	51.040	19.190	6.841	75.090
σ		0.641	0.037	15.170	0.979	3.035	0.133	0.265	0.941
%RSD		118.900	3.938	1.678	5.898	5.947	0.691	3.871	1.253
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:28:31	74.920	461.600	472.600	-0.362	-0.188	2.134	0.000	57.570
2	21:29:14	74.940	461.800	477.400	-0.034	-0.255	2.192	0.000	58.440
3	21:29:57	75.360	473.200	484.300	-0.312	0.076	1.803	0.000	59.890
X		75.070	465.500	478.100	-0.236	-0.123	2.043	0.000	58.630
σ		0.249	6.631	5.881	0.177	0.175	0.210	0.000	1.171
%RSD		0.332	1.424	1.230	75.000	142.700	10.280	0.000	1.998
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:28:31	0.000	-0.209	-0.240	41.918%	-0.001	-0.000	0.925	0.804
2	21:29:14	0.000	-0.256	-0.235	42.414%	0.002	0.002	0.815	0.803
3	21:29:57	0.000	-0.228	-0.220	42.108%	-0.000	-0.000	1.080	0.916
X		0.000	-0.231	-0.232	42.147%	0.000	0.000	0.940	0.841
σ		0.000	0.024	0.011	0.251%	0.002	0.001	0.133	0.065
%RSD		0.000	10.370	4.546	0.595	710.000	333.800	14.140	7.718
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:28:31	46.222%	2.362	0.087	0.103	29.030	28.590	58.489%	61.113%
2	21:29:14	47.195%	2.329	0.103	0.085	28.840	28.450	59.577%	62.727%
3	21:29:57	46.570%	2.473	0.107	0.130	30.060	29.480	59.796%	62.724%
X		46.662%	2.388	0.099	0.106	29.310	28.840	59.287%	62.188%
σ		0.493%	0.076	0.010	0.022	0.657	0.563	0.700%	0.931%
%RSD		1.057	3.163	10.490	21.280	2.243	1.951	1.180	1.497
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:28:31	0.046	0.074	0.217	0.215	0.223	63.309%		
2	21:29:14	0.068	0.069	0.233	0.226	0.214	64.654%		
3	21:29:57	0.086	0.068	0.235	0.233	0.230	63.784%		
X		0.067	0.070	0.228	0.225	0.222	63.916%		
σ		0.020	0.003	0.010	0.009	0.008	0.682%		
%RSD		30.130	4.510	4.326	3.926	3.580	1.067		

180-19804-B-19-A 4/1/2013 9:32:38 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	21:33:20	56.779%	0.045	5.730	5.731	0.000	3283.000	19850.000	19580.000
2	21:34:03	57.577%	0.054	5.863	4.924	0.000	3168.000	18790.000	18520.000
3	21:34:46	55.733%	0.106	5.707	5.787	0.000	3256.000	19690.000	19350.000
X		56.696%	0.069	5.767	5.481	0.000	3236.000	19440.000	19150.000
σ		0.925%	0.033	0.084	0.483	0.000	60.040	573.900	557.300
%RSD		1.631	48.180	1.460	8.805	0.000	1.856	2.952	2.910
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:33:20	20.970	1551.000	0.000	6131.000	90530.000	98050.000	39.437%	0.431
2	21:34:03	20.550	1501.000	0.000	5927.000	87760.000	95290.000	39.243%	0.594
3	21:34:46	21.700	1533.000	0.000	6052.000	90250.000	97540.000	38.777%	0.346
X		21.080	1528.000	0.000	6037.000	89520.000	96960.000	39.152%	0.457
σ		0.584	25.120	0.000	102.700	1523.000	1473.000	0.339%	0.126
%RSD		2.770	1.644	0.000	1.702	1.701	1.519	0.866	27.530
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:33:20	1.213	1.205	1311.000	237.800	367.800	13.590	1.196	1.776
2	21:34:03	-0.084	1.062	1254.000	233.600	350.000	13.100	0.939	1.752
3	21:34:46	0.801	1.120	1280.000	236.700	356.300	13.390	0.771	1.832
X		0.643	1.129	1282.000	236.000	358.000	13.360	0.969	1.787
σ		0.662	0.072	28.410	2.151	9.028	0.245	0.214	0.041
%RSD		103.000	6.353	2.216	0.911	2.522	1.836	22.060	2.293
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:33:20	2.009	27.180	27.780	0.011	0.134	2.856	0.000	245.500
2	21:34:03	1.923	26.920	27.780	-0.110	0.073	3.017	0.000	241.700
3	21:34:46	1.913	27.220	27.010	-0.400	0.309	2.617	0.000	248.800
X		1.948	27.110	27.520	-0.166	0.172	2.830	0.000	245.300
σ		0.053	0.163	0.446	0.211	0.122	0.201	0.000	3.585
%RSD		2.702	0.603	1.619	127.100	71.170	7.113	0.000	1.461
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:33:20	0.000	-0.198	-0.194	41.881%	-0.006	-0.002	0.616	0.446
2	21:34:03	0.000	-0.169	-0.226	42.421%	0.001	-0.002	0.472	0.365
3	21:34:46	0.000	-0.225	-0.227	42.275%	-0.001	-0.000	0.547	0.410
X		0.000	-0.197	-0.216	42.192%	-0.002	-0.001	0.545	0.407
σ		0.000	0.028	0.019	0.279%	0.004	0.001	0.072	0.041
%RSD		0.000	14.280	8.747	0.662	164.500	57.730	13.160	10.030
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:33:20	46.119%	2.593	0.157	0.132	9.812	10.180	61.161%	65.867%
2	21:34:03	47.811%	2.629	0.122	0.155	9.935	9.689	63.871%	68.144%
3	21:34:46	46.671%	2.530	0.148	0.164	10.440	10.120	63.187%	67.668%
X		46.867%	2.584	0.142	0.151	10.060	9.995	62.740%	67.227%
σ		0.863%	0.050	0.019	0.017	0.335	0.267	1.409%	1.201%
%RSD		1.841	1.952	13.030	11.110	3.328	2.673	2.246	1.786
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:33:20	0.177	0.163	-0.021	-0.018	-0.024	61.270%		
2	21:34:03	0.138	0.159	-0.026	-0.034	-0.028	64.054%		
3	21:34:46	0.156	0.168	-0.039	-0.024	-0.030	62.819%		
X		0.157	0.164	-0.029	-0.025	-0.028	62.714%		
σ		0.019	0.004	0.009	0.008	0.003	1.395%		
%RSD		12.410	2.538	32.390	32.300	10.660	2.224		

CCV 781130 4/1/2013 9:37:26 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	21:38:09	54.115%	97.120	89.470	91.020	0.000	47830.000	48550.000	48230.000
2	21:38:52	55.180%	97.290	85.180	90.060	0.000	47570.000	47660.000	47520.000
3	21:39:35	54.939%	99.170	95.350	92.940	0.000	48030.000	48300.000	48140.000
x		54.745%	97.860%	89.998%	91.342%	0.000	95.617%	96.338%	95.927%
σ		0.558%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.020	1.164	5.670	1.607	0.000	0.484	0.954	0.805
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:38:09	463.400	4640.000	0.000	48730.000	46500.000	48300.000	46.236%	97.800
2	21:38:52	463.200	4625.000	0.000	48360.000	46460.000	48570.000	47.297%	93.740
3	21:39:35	463.900	4704.000	0.000	49280.000	47160.000	48990.000	47.491%	95.430
x		92.698%	93.130%	0.000	97.579%	93.413%	97.245%	47.008%	95.654%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.676%	n/a
%RSD		0.073	0.905	0.000	0.940	0.843	0.721	1.437	2.135
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:38:09	94.900	96.390	502.900	26300.000	25310.000	95.040	95.910	97.140
2	21:38:52	95.000	96.280	496.100	25920.000	25060.000	94.050	93.100	94.580
3	21:39:35	95.590	97.220	508.500	26150.000	25380.000	94.950	94.990	97.950
x		95.164%	96.629%	100.502%	104.495%	101.004%	94.681%	94.665%	96.557%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.390	0.531	1.236	0.747	0.657	0.579	1.517	1.826
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:38:09	96.620	104.800	106.100	93.370	99.420	97.860	0.000	96.150
2	21:38:52	94.260	102.800	104.200	95.080	98.510	97.700	0.000	95.230
3	21:39:35	98.230	105.700	106.900	96.340	101.200	97.710	0.000	96.880
x		96.372%	104.430%	105.739%	94.928%	99.718%	97.756%	0.000	96.087%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		2.071	1.380	1.300	1.571	1.388	0.097	0.000	0.859
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:38:09	48.199%	97.620	96.050	46.762%	94.950	95.240	99.390	98.320
2	21:38:52	50.054%	97.040	97.150	48.268%	93.780	94.350	96.200	97.230
3	21:39:35	50.380%	98.680	100.200	48.434%	95.900	96.190	98.080	99.670
x		49.545%	97.781%	97.800%	47.821%	94.878%	95.263%	97.888%	98.406%
σ		1.176%	n/a	n/a	0.921%	n/a	n/a	n/a	n/a
%RSD		2.374	0.852	2.199	1.927	1.121	0.965	1.639	1.241
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:38:09	49.584%	95.060	96.310	96.510	94.560	94.120	56.710%	57.222%
2	21:38:52	51.942%	94.290	95.510	94.820	92.740	91.790	58.880%	59.789%
3	21:39:35	51.918%	95.650	96.750	96.040	94.340	95.270	58.977%	60.039%
x		51.148%	94.998%	96.188%	95.786%	93.878%	93.728%	58.189%	59.017%
σ		1.354%	n/a	n/a	n/a	n/a	n/a	1.282%	1.559%
%RSD		2.648	0.717	0.651	0.911	1.059	1.890	2.203	2.642
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:38:09	94.130	93.770	94.770	94.920	94.900	53.779%		
2	21:38:52	92.730	93.360	94.230	94.180	94.210	56.046%		
3	21:39:35	94.390	94.650	95.970	95.090	95.690	56.099%		
x		93.750%	93.931%	94.993%	94.730%	94.932%	55.308%		
σ		n/a	n/a	n/a	n/a	n/a	1.324%		
%RSD		0.950	0.701	0.940	0.506	0.784	2.395		

CCB7 4/1/2013 9:42:16 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	21:42:59	83.570%	0.015	1.739	1.455	0.000	8.501	15.650	15.590
2	21:43:42	82.480%	0.003	1.539	1.444	0.000	6.093	15.700	15.570
3	21:44:25	82.510%	0.022	1.270	1.211	0.000	7.187	16.080	16.830
X		82.853%	0.014	1.516	1.370	0.000	7.260	15.810	16.000
σ		0.621%	0.010	0.235	0.138	0.000	1.205	0.231	0.722
%RSD		0.749	73.500	15.510	10.070	0.000	16.600	1.463	4.513
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:42:59	2.893	-3.493	0.000	-9.541	22.680	18.360	81.136%	0.040
2	21:43:42	3.025	-4.280	0.000	-10.350	22.640	19.220	81.322%	0.073
3	21:44:25	2.949	-3.384	0.000	-9.752	24.110	18.450	79.877%	0.064
X		2.956	-3.719	0.000	-9.882	23.140	18.680	80.778%	0.059
σ		0.066	0.489	0.000	0.421	0.835	0.472	0.786%	0.017
%RSD		2.236	13.150	0.000	4.259	3.607	2.528	0.973	28.640
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:42:59	-0.087	0.079	0.301	-6.727	9.134	0.026	0.017	0.170
2	21:43:42	0.185	0.067	0.275	-7.668	9.007	0.026	0.039	0.139
3	21:44:25	0.073	0.086	0.334	-6.706	8.085	0.025	0.062	0.098
X		0.057	0.078	0.303	-7.034	8.742	0.026	0.039	0.136
σ		0.137	0.009	0.029	0.549	0.573	0.000	0.023	0.036
%RSD		239.800	12.190	9.667	7.812	6.550	1.924	57.210	26.450
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:42:59	0.089	0.300	0.277	-0.205	-1.217	-1.271	0.000	0.061
2	21:43:42	0.096	0.289	0.259	-0.453	-1.227	-1.558	0.000	0.064
3	21:44:25	0.106	0.342	0.378	-0.616	-1.233	-1.824	0.000	0.063
X		0.097	0.311	0.305	-0.425	-1.225	-1.551	0.000	0.063
σ		0.009	0.028	0.064	0.207	0.008	0.277	0.000	0.001
%RSD		8.807	8.944	21.020	48.670	0.687	17.850	0.000	2.006
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:42:59	88.782%	0.196	0.183	84.830%	0.039	0.038	-0.131	-0.075
2	21:43:42	89.923%	0.047	0.080	85.224%	0.025	0.024	-0.127	-0.082
3	21:44:25	89.443%	0.030	0.006	84.978%	0.025	0.033	-0.111	-0.053
X		89.383%	0.091	0.089	85.011%	0.029	0.032	-0.123	-0.070
σ		0.573%	0.091	0.089	0.199%	0.008	0.007	0.011	0.015
%RSD		0.641	100.000	99.500	0.234	27.040	22.320	8.690	21.930
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:42:59	85.274%	0.113	0.035	0.047	0.101	0.085	91.039%	91.748%
2	21:43:42	85.941%	0.103	0.030	0.049	0.113	0.087	92.926%	93.811%
3	21:44:25	86.959%	0.060	0.040	0.034	0.105	0.108	93.980%	94.219%
X		86.058%	0.092	0.035	0.043	0.106	0.093	92.648%	93.259%
σ		0.849%	0.028	0.005	0.008	0.007	0.013	1.490%	1.325%
%RSD		0.986	30.790	13.090	18.000	6.196	13.670	1.608	1.421
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:42:59	0.025	0.018	0.045	0.049	0.048	106.615%		
2	21:43:42	0.020	0.018	0.046	0.043	0.044	108.668%		
3	21:44:25	0.019	0.021	0.043	0.055	0.051	105.923%		
X		0.021	0.019	0.045	0.049	0.048	107.069%		
σ		0.003	0.002	0.002	0.006	0.004	1.428%		
%RSD		14.050	8.359	3.729	11.830	7.457	1.334		

CRI 768045 4/1/2013 9:51:14 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	21:51:57	59.848%	1.051	6.075	5.996	0.000	99.730	107.100	104.500
2	21:52:40	60.261%	0.909	6.159	5.948	0.000	94.600	100.400	103.500
3	21:53:23	58.056%	1.026	5.674	5.958	0.000	100.600	105.800	106.000
X		59.388%	99.537%	119.384%	119.350%	0.000	98.292%	104.404%	104.633%
σ		1.172%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.974	7.649	4.341	0.424	0.000	3.283	3.420	1.206
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:51:57	31.350	501.200	0.000	94.160	105.200	112.700	50.965%	5.146
2	21:52:40	30.280	489.300	0.000	93.140	82.210	112.400	51.122%	5.095
3	21:53:23	30.400	496.500	0.000	94.530	112.500	122.300	50.664%	5.281
X		102.244%	99.129%	0.000	93.945%	99.983%	115.811%	50.917%	103.480%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.233%	n/a
%RSD		1.911	1.209	0.000	0.764	15.820	4.860	0.457	1.862
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:51:57	0.893	1.912	5.435	52.130	57.250	0.496	0.963	2.053
2	21:52:40	0.900	1.929	5.376	50.510	54.820	0.499	1.049	2.130
3	21:53:23	0.968	1.882	5.361	51.760	59.090	0.450	0.915	2.104
X		92.002%	95.385%	1078.103%	102.932%	114.106%	96.293%	97.573%	104.787%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		4.507	1.242	0.729	1.650	3.753	5.626	6.930	1.882
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:51:57	2.105	5.326	5.502	1.139	4.641	5.932	0.000	4.506
2	21:52:40	2.083	5.290	5.297	1.089	4.620	5.411	0.000	4.415
3	21:53:23	2.205	5.623	4.982	1.353	4.670	5.974	0.000	4.401
X		106.546%	108.258%	105.202%	119.352%	92.876%	115.446%	0.000	88.809%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		3.058	3.379	4.985	11.760	0.540	5.435	0.000	1.283
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:51:57	56.995%	4.194	4.220	53.822%	0.957	1.020	1.041	1.324
2	21:52:40	57.339%	4.146	4.258	54.006%	0.965	1.066	1.232	0.980
3	21:53:23	57.246%	4.135	4.354	54.018%	1.035	1.074	0.988	0.984
X		57.194%	83.161%	85.549%	53.949%	98.583%	105.335%	108.706%	109.597%
σ		0.178%	n/a	n/a	0.110%	n/a	n/a	n/a	n/a
%RSD		0.311	0.750	1.621	0.203	4.327	2.775	11.840	18.020
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:51:57	54.209%	5.100	2.004	2.068	9.399	9.487	58.514%	59.103%
2	21:52:40	55.365%	5.069	2.002	2.027	9.834	9.326	60.658%	61.251%
3	21:53:23	55.031%	5.056	1.941	2.063	10.030	9.509	60.715%	60.888%
X		54.868%	101.500%	99.117%	102.630%	97.533%	94.409%	59.962%	60.414%
σ		0.595%	n/a	n/a	n/a	n/a	n/a	1.255%	1.150%
%RSD		1.084	0.448	1.801	1.087	3.294	1.059	2.093	1.903
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:51:57	0.797	0.812	0.842	0.886	0.852	69.992%		
2	21:52:40	0.815	0.811	0.870	0.885	0.863	72.368%		
3	21:53:23	0.825	0.806	0.884	0.855	0.859	71.919%		
X		81.196%	80.947%	86.563%	87.547%	85.827%	71.426%		
σ		n/a	n/a	n/a	n/a	n/a	1.262%		
%RSD		1.730	0.374	2.486	1.998	0.638	1.767		

180-19804-B-20-A 4/1/2013 10:00:54 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	22:01:36	53.862%	0.141	4.118	4.480	0.000	2890.000	13960.000	13780.000
2	22:02:19	55.104%	0.148	4.838	4.629	0.000	2860.000	13840.000	13720.000
3	22:03:02	55.389%	0.187	4.435	5.116	0.000	2854.000	13780.000	13650.000
X		54.785%	0.159	4.464	4.742	0.000	2868.000	13860.000	13720.000
σ		0.812%	0.025	0.361	0.333	0.000	19.020	93.540	65.830
%RSD		1.482	15.750	8.082	7.014	0.000	0.663	0.675	0.480
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:01:36	16.760	2462.000	0.000	4544.000	63100.000	65810.000	39.493%	0.954
2	22:02:19	16.580	2433.000	0.000	4510.000	63500.000	65980.000	39.435%	0.978
3	22:03:02	17.110	2437.000	0.000	4525.000	63050.000	66560.000	39.019%	0.874
X		16.820	2444.000	0.000	4526.000	63220.000	66120.000	39.316%	0.935
σ		0.269	15.460	0.000	16.830	247.300	391.200	0.258%	0.055
%RSD		1.598	0.633	0.000	0.372	0.391	0.592	0.657	5.835
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:01:36	0.598	1.516	1148.000	107.900	206.600	15.720	3.231	30.060
2	22:02:19	-0.653	1.183	1154.000	106.900	204.700	15.690	3.444	29.320
3	22:03:02	0.082	1.030	1168.000	107.700	197.800	15.800	3.365	29.580
X		0.009	1.243	1157.000	107.500	203.000	15.740	3.347	29.650
σ		0.628	0.249	10.310	0.528	4.610	0.058	0.108	0.378
%RSD		6897.000	20.000	0.891	0.492	2.270	0.369	3.215	1.274
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:01:36	29.370	207.500	210.400	0.661	0.350	2.760	0.000	168.900
2	22:02:19	29.250	206.700	213.500	0.786	0.191	3.062	0.000	168.700
3	22:03:02	28.920	212.900	214.800	-0.723	0.187	2.392	0.000	172.900
X		29.180	209.000	212.900	0.241	0.243	2.738	0.000	170.200
σ		0.235	3.377	2.256	0.838	0.093	0.335	0.000	2.383
%RSD		0.805	1.615	1.060	347.200	38.450	12.240	0.000	1.400
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:01:36	0.000	-0.046	-0.037	42.223%	0.013	0.004	0.614	0.584
2	22:02:19	0.000	-0.114	-0.111	42.734%	0.006	0.003	0.596	0.606
3	22:03:02	0.000	-0.072	-0.130	42.107%	-0.005	0.003	0.671	0.683
X		0.000	-0.077	-0.092	42.354%	0.004	0.004	0.627	0.625
σ		0.000	0.034	0.049	0.334%	0.009	0.001	0.039	0.052
%RSD		0.000	44.150	53.320	0.788	197.300	20.580	6.255	8.294
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:01:36	46.553%	2.958	0.143	0.163	17.190	17.200	59.560%	62.569%
2	22:02:19	47.215%	3.005	0.158	0.117	17.110	17.140	61.440%	64.861%
3	22:03:02	46.763%	3.071	0.139	0.137	17.590	17.830	61.600%	64.988%
X		46.844%	3.011	0.146	0.139	17.300	17.390	60.867%	64.139%
σ		0.339%	0.057	0.010	0.023	0.257	0.382	1.134%	1.361%
%RSD		0.723	1.897	6.853	16.540	1.483	2.198	1.864	2.122
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	22:01:36	0.101	0.120	0.020	0.039	0.032	62.746%		
2	22:02:19	0.120	0.116	0.034	0.035	0.032	63.521%		
3	22:03:02	0.129	0.114	0.029	0.032	0.030	62.784%		
X		0.117	0.117	0.028	0.035	0.031	63.017%		
σ		0.014	0.003	0.007	0.003	0.001	0.437%		
%RSD		12.270	2.535	25.590	9.754	3.705	0.693		

180-19804-B-21-A 4/1/2013 10:05:42 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	22:06:25	55.061%	0.228	3.886	4.507	0.000	2919.000	13990.000	13810.000
2	22:07:08	54.897%	0.249	3.937	4.700	0.000	2884.000	13990.000	13780.000
3	22:07:51	55.188%	0.087	4.164	4.163	0.000	2843.000	13790.000	13570.000
X		55.048%	0.188	3.996	4.457	0.000	2882.000	13930.000	13720.000
σ		0.146%	0.088	0.148	0.272	0.000	37.760	114.600	127.200
%RSD		0.265	46.810	3.705	6.103	0.000	1.310	0.823	0.927
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:06:25	19.020	2506.000	0.000	4564.000	63590.000	66260.000	39.633%	0.701
2	22:07:08	19.060	2497.000	0.000	4541.000	64470.000	66540.000	39.375%	0.751
3	22:07:51	19.220	2466.000	0.000	4534.000	63970.000	66770.000	39.301%	0.615
X		19.100	2490.000	0.000	4547.000	64010.000	66530.000	39.436%	0.689
σ		0.109	21.190	0.000	15.750	446.200	254.500	0.174%	0.069
%RSD		0.568	0.851	0.000	0.346	0.697	0.383	0.441	9.965
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:06:25	0.870	0.979	1116.000	120.700	211.800	15.170	3.245	31.000
2	22:07:08	-0.008	0.869	1121.000	121.800	216.900	14.960	3.256	31.310
3	22:07:51	0.353	0.889	1125.000	121.900	207.800	14.870	3.216	31.030
X		0.405	0.912	1121.000	121.500	212.200	15.000	3.239	31.110
σ		0.441	0.059	4.478	0.698	4.540	0.152	0.021	0.169
%RSD		108.900	6.444	0.400	0.575	2.140	1.012	0.641	0.542
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:06:25	31.660	203.000	208.000	-0.007	0.012	2.990	0.000	169.900
2	22:07:08	31.320	204.000	207.900	0.242	0.064	2.026	0.000	171.500
3	22:07:51	31.240	206.400	209.400	0.150	0.265	2.516	0.000	170.400
X		31.410	204.500	208.400	0.128	0.114	2.511	0.000	170.600
σ		0.220	1.721	0.823	0.126	0.134	0.482	0.000	0.852
%RSD		0.699	0.842	0.395	97.970	117.600	19.180	0.000	0.499
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:06:25	0.000	-0.138	-0.159	42.245%	0.002	0.007	0.737	0.621
2	22:07:08	0.000	-0.151	-0.144	42.557%	0.001	-0.002	0.699	0.627
3	22:07:51	0.000	-0.136	-0.123	42.544%	0.007	0.001	0.613	0.552
X		0.000	-0.141	-0.142	42.449%	0.003	0.002	0.683	0.600
σ		0.000	0.008	0.018	0.176%	0.003	0.004	0.063	0.042
%RSD		0.000	5.783	12.500	0.416	92.190	219.400	9.272	6.986
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:06:25	46.179%	2.439	0.177	0.206	16.890	17.300	60.191%	63.655%
2	22:07:08	46.784%	2.532	0.180	0.221	17.280	17.420	60.695%	64.620%
3	22:07:51	46.895%	2.383	0.172	0.164	17.670	17.630	61.906%	65.194%
X		46.619%	2.452	0.176	0.197	17.280	17.450	60.931%	64.489%
σ		0.385%	0.075	0.004	0.029	0.389	0.164	0.881%	0.778%
%RSD		0.827	3.073	2.186	14.850	2.249	0.937	1.446	1.206
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	22:06:25	0.111	0.125	0.059	0.040	0.056	61.909%		
2	22:07:08	0.133	0.124	0.049	0.051	0.054	62.098%		
3	22:07:51	0.136	0.125	0.047	0.056	0.055	62.237%		
X		0.127	0.125	0.051	0.049	0.055	62.081%		
σ		0.014	0.000	0.006	0.008	0.001	0.165%		
%RSD		10.870	0.313	12.200	16.650	1.687	0.265		

CCV 781130 4/1/2013 10:10:31 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	22:11:13	53.501%	97.740	89.240	91.770	0.000	48170.000	48600.000	48060.000
2	22:11:56	54.012%	96.350	90.040	94.350	0.000	47580.000	48010.000	47780.000
3	22:12:39	54.531%	98.950	91.260	93.000	0.000	47670.000	48250.000	47850.000
X		54.015%	97.679%	90.180%	93.040%	0.000	95.611%	96.570%	95.788%
σ		0.515%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.953	1.332	1.128	1.382	0.000	0.659	0.620	0.302
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:11:13	460.500	4635.000	0.000	49140.000	47670.000	48820.000	45.931%	95.240
2	22:11:56	457.800	4634.000	0.000	49320.000	46950.000	48860.000	46.994%	96.430
3	22:12:39	459.200	4637.000	0.000	48580.000	46180.000	48180.000	47.778%	95.110
X		91.837%	92.702%	0.000	98.026%	93.865%	97.242%	46.901%	95.592%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.927%	n/a
%RSD		0.291	0.036	0.000	0.786	1.585	0.779	1.977	0.763
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:11:13	96.060	96.820	502.800	26370.000	25330.000	95.590	96.640	95.810
2	22:11:56	95.510	96.330	502.200	26100.000	25320.000	94.750	94.430	97.490
3	22:12:39	94.350	95.260	499.700	25970.000	25060.000	94.650	93.730	96.730
X		95.310%	96.134%	100.309%	104.576%	100.947%	94.995%	94.935%	96.675%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.915	0.832	0.324	0.788	0.595	0.541	1.602	0.868
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:11:13	96.370	107.300	106.400	95.790	99.950	100.200	0.000	95.360
2	22:11:56	96.550	107.300	106.700	95.830	98.230	97.050	0.000	95.670
3	22:12:39	95.280	103.600	105.100	95.230	99.700	99.090	0.000	95.030
X		96.068%	106.091%	106.032%	95.618%	99.293%	98.768%	0.000	95.353%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.715	2.021	0.812	0.348	0.932	1.602	0.000	0.332
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:11:13	48.296%	96.180	95.490	46.571%	94.580	96.190	98.440	99.020
2	22:11:56	49.914%	97.180	98.740	47.934%	94.340	94.780	98.580	97.930
3	22:12:39	51.047%	97.330	98.480	49.169%	93.360	93.950	97.470	96.840
X		49.753%	96.894%	97.572%	47.891%	94.095%	94.975%	98.164%	97.932%
σ		1.383%	n/a	n/a	1.300%	n/a	n/a	n/a	n/a
%RSD		2.779	0.646	1.852	2.714	0.687	1.194	0.616	1.117
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:11:13	49.636%	94.750	96.050	95.810	94.160	93.730	56.299%	56.886%
2	22:11:56	51.445%	95.260	95.940	95.240	94.280	92.900	59.047%	59.580%
3	22:12:39	52.864%	94.750	93.900	94.390	94.340	93.090	60.042%	60.585%
X		51.315%	94.922%	95.298%	95.144%	94.257%	93.240%	58.463%	59.017%
σ		1.618%	n/a	n/a	n/a	n/a	n/a	1.939%	1.913%
%RSD		3.153	0.309	1.270	0.753	0.097	0.471	3.316	3.241
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	22:11:13	93.410	93.250	94.410	93.440	93.730	53.955%		
2	22:11:56	93.840	93.660	95.270	94.130	94.550	55.769%		
3	22:12:39	92.680	92.860	93.560	93.530	93.690	57.147%		
X		93.311%	93.257%	94.413%	93.702%	93.992%	55.624%		
σ		n/a	n/a	n/a	n/a	n/a	1.601%		
%RSD		0.629	0.430	0.904	0.402	0.519	2.878		

CCB8 4/1/2013 10:15:21 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	22:16:04	82.807%	0.054	1.336	1.222	0.000	15.360	22.140	22.680
2	22:16:47	84.340%	0.008	0.909	1.190	0.000	9.435	18.830	19.310
3	22:17:30	83.309%	0.060	0.859	0.977	0.000	4.012	14.690	16.090
X		83.486%	0.041	1.035	1.130	0.000	9.603	18.550	19.360
σ		0.782%	0.028	0.262	0.133	0.000	5.676	3.735	3.297
%RSD		0.936	69.090	25.340	11.790	0.000	59.110	20.130	17.030
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:16:04	3.309	-2.139	0.000	-2.491	30.380	27.160	87.990%	0.044
2	22:16:47	3.238	-3.075	0.000	-6.552	18.150	23.300	87.291%	0.045
3	22:17:30	2.948	-3.589	0.000	-11.310	22.030	19.930	87.127%	-0.007
X		3.165	-2.934	0.000	-6.784	23.520	23.460	87.470%	0.028
σ		0.192	0.735	0.000	4.414	6.248	3.615	0.458%	0.030
%RSD		6.051	25.060	0.000	65.060	26.570	15.400	0.524	107.500
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:16:04	0.109	0.122	0.460	-3.557	12.940	0.054	0.031	0.198
2	22:16:47	0.057	0.080	0.397	-5.228	10.650	0.038	0.034	0.151
3	22:17:30	-0.045	0.087	0.321	-7.747	9.089	0.029	0.047	0.114
X		0.040	0.096	0.393	-5.511	10.890	0.040	0.037	0.155
σ		0.078	0.022	0.070	2.109	1.940	0.013	0.009	0.042
%RSD		194.900	23.300	17.790	38.280	17.810	32.080	22.720	26.980
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:16:04	0.114	0.334	0.330	-0.438	-1.103	-1.003	0.000	0.114
2	22:16:47	0.120	0.422	0.422	-0.217	-1.040	-0.923	0.000	0.101
3	22:17:30	0.118	0.337	0.322	-0.315	-1.129	-1.198	0.000	0.080
X		0.117	0.364	0.358	-0.323	-1.091	-1.041	0.000	0.098
σ		0.003	0.050	0.056	0.111	0.046	0.141	0.000	0.017
%RSD		2.425	13.850	15.620	34.290	4.180	13.580	0.000	17.570
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:16:04	81.802%	0.399	0.252	84.957%	0.042	0.045	-0.103	-0.053
2	22:16:47	82.257%	0.191	0.223	85.304%	0.021	0.037	-0.124	-0.067
3	22:17:30	81.659%	0.088	0.067	84.642%	0.022	0.032	-0.114	-0.092
X		81.906%	0.226	0.180	84.968%	0.028	0.038	-0.113	-0.071
σ		0.312%	0.159	0.100	0.331%	0.012	0.007	0.011	0.020
%RSD		0.381	70.260	55.210	0.390	41.690	17.120	9.288	28.330
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:16:04	85.331%	0.129	0.051	0.072	0.121	0.124	88.329%	88.726%
2	22:16:47	86.666%	0.107	0.044	0.052	0.097	0.126	89.415%	90.359%
3	22:17:30	85.409%	0.086	0.054	0.033	0.124	0.090	88.696%	89.581%
X		85.802%	0.107	0.050	0.052	0.114	0.114	88.813%	89.555%
σ		0.749%	0.021	0.005	0.020	0.015	0.020	0.552%	0.817%
%RSD		0.873	19.880	10.460	37.890	13.160	17.710	0.622	0.912
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	22:16:04	0.036	0.038	0.085	0.100	0.090	98.278%		
2	22:16:47	0.028	0.027	0.079	0.076	0.084	100.011%		
3	22:17:30	0.024	0.021	0.071	0.066	0.068	100.443%		
X		0.029	0.029	0.078	0.080	0.080	99.577%		
σ		0.006	0.008	0.007	0.018	0.011	1.146%		
%RSD		21.230	29.200	9.534	21.950	14.040	1.151		

Performance Report

Sample details

Sample name : ITUNE

Acquired at : 4/1/2013 12:55:14 PM

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

Mass Calibration verification

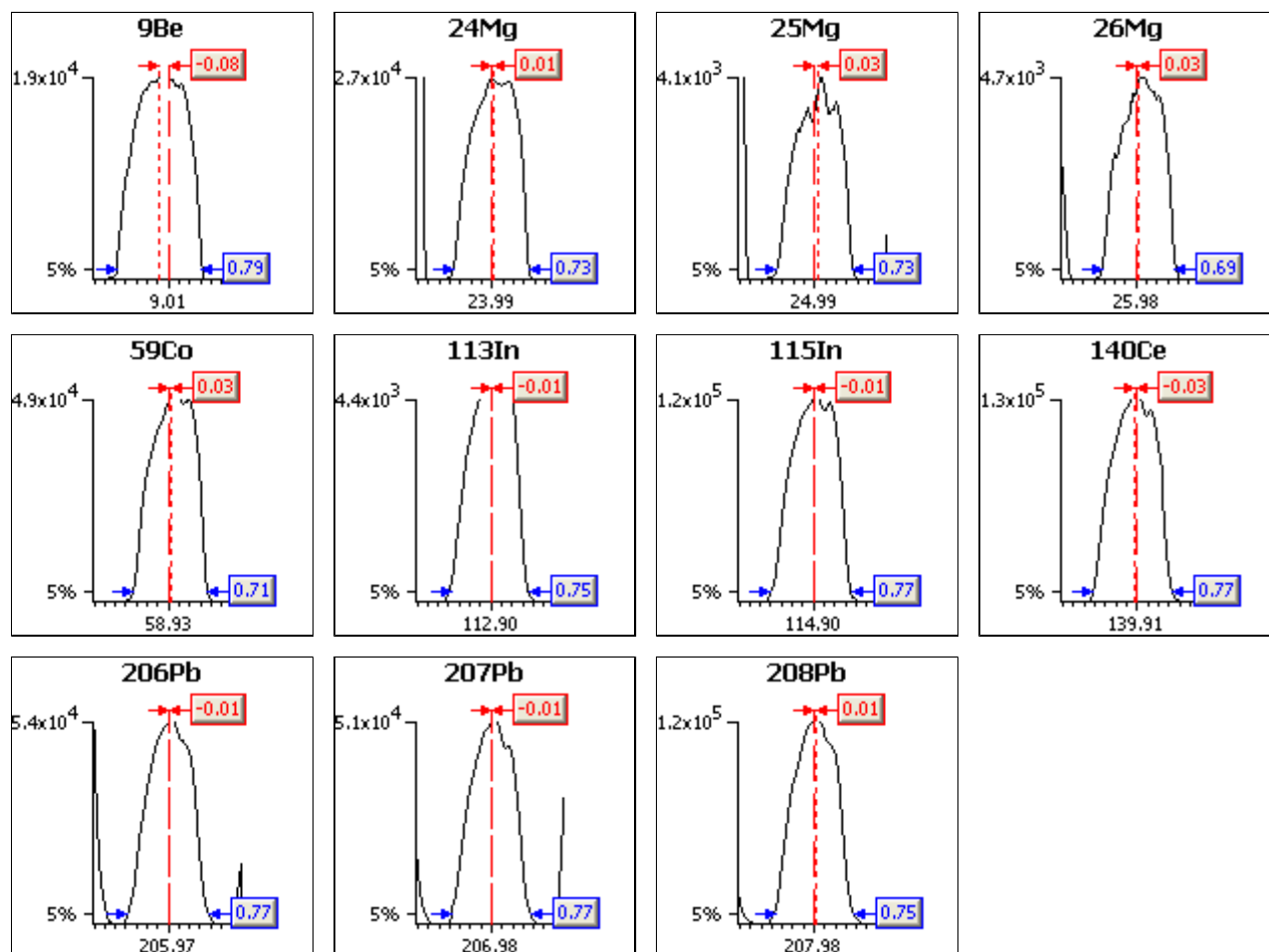
Acquisition parameters

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	0.79	-0.08
24Mg	0.90	0.45	0.10	0.73	0.01
25Mg	0.90	0.45	0.10	0.73	0.03
26Mg	0.90	0.45	0.10	0.69	0.03
59Co	0.90	0.45	0.10	0.71	0.03
113In	0.90	0.45	0.10	0.75	-0.01
115In	0.90	0.45	0.10	0.77	-0.01
140Ce	0.90	0.45	0.10	0.77	-0.03
206Pb	0.90	0.45	0.10	0.77	-0.01
207Pb	0.90	0.45	0.10	0.77	-0.01
208Pb	0.90	0.45	0.10	0.75	0.01

Sample details

Sample name : ITUNE

Acquired at : 4/1/2013 12:55:14 PM

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

Tune conditions

Major		Minor		Global		Add. Gases	
Extraction	-165	Lens 2	-35.3	Standard resolution	n/a	He/H2	0.00
Lens 1	2.0	Lens 3	-188.2	High resolution	n/a	He/NH3	0.00
Focus	25.3	Forward power	1300	Analogue Detector	n/a		
D1	-39.2	Horizontal	27	PC Detector	n/a		
Pole Bias	3.0	Vertical	502				
Hexapole Bias	-3.0	D2	-160				
Nebuliser	0.81	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	12:56:02 PM	0	20155	26721	3718	4269	105629	48115	0
2	12:57:28 PM	0	20025	26615	3648	4233	105032	48518	0
3	12:58:53 PM	0	19989	28000	3822	4401	104407	48476	0
4	1:00:18 PM	0	19813	27560	3770	4360	105464	48383	1
5	1:01:43 PM	0	19870	27315	3694	4252	106041	48569	0
x		0	19970	27242	3730	4303	105314	48412	0
σ		0.03	134.40	579.91	67.59	73.12	623.09	179.80	0.60
%RSD		223.607	0.673	2.129	1.812	1.699	0.592	0.371	223.607

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	12:56:02 PM	12	0	5087	118397	549	133961	1407	56744
2	12:57:28 PM	6	0	5154	119481	541	135234	1404	56484
3	12:58:53 PM	6	0	5163	120242	505	135730	1425	57662
4	1:00:18 PM	9	0	5219	121713	525	136985	1396	58066
5	1:01:43 PM	7	0	5201	122205	553	138174	1426	58154
x		8	0	5165	120407	535	136017	1412	57422
σ		2.34	0.07	50.96	1570.30	20.00	1621.39	13.21	766.18
%RSD		29.200	136.931	0.987	1.304	3.741	1.192	0.936	1.334

Run	Time	207Pb	208Pb	220Bkg
Dwell (mSecs)		0.0	0.0	0.0
Limits	%RSD	5.0%	5.0%	-
	Countrate	>500	>500	<2500
1	12:56:02 PM	51357	122634	0
2	12:57:28 PM	51802	123593	0
3	12:58:53 PM	52198	125644	0
4	1:00:18 PM	52772	126646	0
5	1:01:43 PM	53280	127329	0
x		52282	125169	0
σ		763.03	1998.68	0.06
%RSD		1.459	1.597	104.583

Ratio results

Run	Time	156Ce O/140Ce
Ratio limits		<0.0500
1	12:56:02 PM	0
2	12:57:28 PM	0

3	12:58:53 PM	0
4	1:00:18 PM	0
5	1:01:43 PM	0
$\bar{x}$		0.0104
σ		0.00
%RSD		1.2692

Result : The performance report passed.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-21987-1

SDG No.: _____

Batch Number: 78432 Batch Start Date: 03/15/13 12:45 Batch Analyst: McGall, LisaBatch Method: 7470A Batch End Date: 03/15/13 14:45

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTH2S04 00012	MTHNO3 00044	MTK2S208RGNT 00036	MTKMNO4W 00040
240-21987-H-1	079-0007-0001-SO URCEWATER	7470A, 7470A/DOD	T	100 mL	100 mL	5 mL	2.5 mL	8 mL	15 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	AnalysisComment					
240-21987-H-1	079-0007-0001-SO URCEWATER	7470A, 7470A/DOD	T	DOD - LCG SUPP.					

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.: 240-21987-1

SDG No.: _____

Batch Number: 78670 Batch Start Date: 03/18/13 10:45 Batch Analyst: Girard, SusanBatch Method: 7470A Batch End Date: 03/18/13 12:45

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTH2S04 00012	MTHGCALW 00332	MTHNO3 00044	MTK2S208RGNT 00036
CRA 240-78670/9		7470A, 7470A/DOD		100 mL	100 mL	5 mL	0.2 mL	2.5 mL	8 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	MTKMN04W 00040					
CRA 240-78670/9		7470A, 7470A/DOD		15 mL					

Batch Notes	
Pipette ID	383364-383366
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 Pittsburgh Job No.: 240-21987-1

SDG No.: _____

Batch Number: 66565 Batch Start Date: 03/18/13 12:30 Batch Analyst: Haluck, CaitlynBatch Method: 3005A Batch End Date: 03/18/13 16:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTAPITTICPMS 00011	MTAPITTMSA 00014	MTAPITTMSC 00018	
MB 180-66565/1		3005A, 6020/DOD		50 mL	50 mL				
LCS 180-66565/2		3005A, 6020/DOD		50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
LCSD 180-66565/3		3005A, 6020/DOD		50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
240-21987-I-1	079-0007-0001-SO URCEWATER	3005A, 6020/DOD	R	50 mL	50 mL				

Batch Notes	
Batch Comment	METALS A6
First End time	1630
Lot # of hydrochloric acid	2.5ML 735514
Lot # of Nitric Acid	1.0ML 753980
Hot Block ID number	#5
Oven, Bath or Block Temperature 1	94
Pipette ID	L1201611U
Person who witnessed spiking	CH
First Start time	1230
ID number of the thermometer	IP4 (0.0) E1
Digestion Tube/Cup Lot #	1208059
Uncorrected Temperature	94 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: 240-21987-1

SDG No.: _____

Project: RVAAP - ECC

Client Sample ID
079-0007-0001-SOURCEWATER

Lab Sample ID
240-21987-1

Comments:

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job Number: 240-21987-1

SDG No.: _____

Project: RVAAP - ECC

Client Sample ID
079-0007-0001-SOURCEWATER

Lab Sample ID
240-21987-1

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 079-0007-0001-SOURCEWATER

Lab Sample ID: 240-21987-1

Lab Name: TestAmerica Canton

Job No.: 240-21987-1

SDG ID.:

Matrix: Water

Date Sampled: 03/14/2013 12:00

Reporting Basis: WET

Date Received: 03/14/2013 16:20

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Cr (VI)	0.0040	0.020	0.0040	0.0020	mg/L	U		1	7196A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 079-0007-0001-SOURCEWATER

Lab Sample ID: 240-21987-1

Lab Name: TestAmerica Sacramento

Job No.: 240-21987-1

SDG ID.:

Matrix: Water

Date Sampled: 03/14/2013 12:00

Reporting Basis: WET

Date Received: 03/14/2013 16:20

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 Canton Job No.: 240-21987-1
SDG No.: _____
Analyst: AM Batch Start Date: 03/14/2013
Reporting Units: mg/L Analytical Batch No.: 78405

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
6	ICV	17:39	Cr (VI)	0.267	0.250	107	90-110		WCCHROME50PM2_00010
7	ICB	17:40	Cr (VI)	0.0040				U	
14	CCV	17:50	Cr (VI)	0.255	0.250	102	90-110		WCCHROME50PPM_00009
15	CCB	17:51	Cr (VI)	0.0040				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.: 240-21987-1
SDG No.: _____
Analyst: JB Batch Start Date: 03/25/2013
Reporting Units: mg/L Analytical Batch No.: 13190

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
8	ICV	12:33	Nitrocellulose	8.31	8.40	99	90-110		WC-353.2-ICV_00020
9	ICB	12:35	Nitrocellulose	1.0				U	
21	CCV	12:59	Nitrocellulose	8.39	8.40	100	90-110		WC-353.2-L4_00014
22	CCB	13:01	Nitrocellulose	1.0				U	

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

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-21987-1

SDG No.: _____

Method	Lab Sample ID	Analyte	Result	Qual	Units	LOQ	Dil
Batch ID: 78405 Date: 03/14/2013 17:42							
7196A	MB 240-78405/8	Cr (VI)	0.0040	U	mg/L	0.020	1

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1

SDG No.: _____

Method	Lab Sample ID	Analyte	Result	Qual	Units	LOQ	Dil
Batch ID: 13190	Date: 03/25/2013 12:47	Prep Batch: 12938	Date: 03/25/2013 08:23				
WS-WC-0050	MB 320-12877/1-B	Nitrocellulose	1.0	U	mg/L	2.0	1

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-21987-1

SDG No.: _____

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 78405 Date: 03/14/2013 17:46											
7196A	240-21987-1	Cr (VI)	0.0040	U	mg/L						
7196A	240-21987-1	Cr (VI)	0.278		mg/L	0.250	111	41-136			
MS											

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

5-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-21987-1

SDG No.: _____

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 78405 Date: 03/14/2013 17:47											
7196A	240-21987-1 MSD	Cr (VI)	0.255		mg/L	0.250	102	41-136	9	20	

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

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1

SDG No.: _____

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID:	13190	Date:	03/25/2013 12:53	Prep Batch:	12938	Date:	03/25/2013 08:23				
WS-WC-0 050	240-21987-1	Nitrocellulose	1.0	U	mg/L						
WS-WC-0 050	240-21987-1 MS	Nitrocellulose	4.99		mg/L	5.10	98	26-144			

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

5-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1

SDG No.: _____

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 13190 Date: 03/25/2013 12:55 Prep Batch: 12938 Date: 03/25/2013 08:23											
WS-WC-0	240-21987-1	Nitrocellulose	4.25		mg/L	5.10	83	26-144	16	45	
050	MSD										

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

6-IN
DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-21987-1
SDG No.: _____
Matrix: Water

Method	Client Sample ID	Lab Sample ID	Analyte	Result	Unit	RPD	RPD Limit	Qual
Batch ID: 78405 Date: 03/14/2013 17:48								
7196A	079-0007-0001-SOUR CEWATER	240-21987-1	Cr (VI)	0.0040	mg/L			U
7196A	079-0007-0001-SOUR CEWATER	240-21987-1 DU	Cr (VI)	0.0040	mg/L	NC		U

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

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-21987-1
SDG No.: _____
Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 78405 Date: 03/14/2013 17:43			LCS Source: WCCHROME50PM2_00010								
7196A	LCS 240-78405/9	Cr (VI)	0.267		mg/L	0.250	107	80-118			

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.: 240-21987-1
SDG No.: _____
Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 13190 Date: 03/25/2013 12:49 Prep Batch: 12938 Date: 03/25/2013 08:23											
LCS Source: HPNCSP_00007											
WS-WC-0 050	LCS 320-12877/2-B	Nitrocellulose	4.58		mg/L	5.10	90	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.: 240-21987-1

SDG No.: _____

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 13190 Date: 03/25/2013 12:37											
						LCS Source: WC-353.2-L1_00019					
WS-WC-0	MRL	Nitrocellulose	1.0	U	mg/L	0.420	98	70-130			
050	320-13190/10										
Batch ID: 13190 Date: 03/25/2013 12:57											
						LCS Source: WC-353.2-L1_00019					
WS-WC-0	MRL	Nitrocellulose	1.0	U	mg/L	0.420	102	70-130			
050	320-13190/20										

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

FORM VIIA-IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-21987-1
SDG Number: _____
Matrix: Water Instrument ID: BERT
Method: 7196A DL Date: 01/27/2010 16:58

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Cr (VI)		0.02	0.002

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-21987-1
SDG Number: _____
Matrix: Water Instrument ID: BERT
Method: 7196A XMDL Date: 01/27/2010 16:59

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Cr (VI)		0.02	0.002

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job Number: 240-21987-1
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: 240-21987-1
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: 240-21987-1

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.: 240-21987-1

SDG No.: _____

Prep Method: 353 (NCell-Hyd)

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 320-12877/1-B	03/25/2013 08:23	12938		50	40
LCS 320-12877/2-B	03/25/2013 08:23	12938		50	40
240-21987-1	03/25/2013 08:23	12938		50	40
240-21987-1 MS	03/25/2013 08:23	12938		50	40
240-21987-1 MSD	03/25/2013 08:23	12938		50	40

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-21987-1

SDG No.: _____

Instrument ID: BERT Method: 7196A

Start Date: 03/14/2013 17:32 End Date: 03/14/2013 17:51

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				C r 6																	
IC 240-78405/1			17:32	X																	
IC 240-78405/2			17:34	X																	
IC 240-78405/3			17:35	X																	
IC 240-78405/4			17:36	X																	
IC 240-78405/5			17:38	X																	
ICV 240-78405/6	1		17:39	X																	
ICB 240-78405/7	1		17:40	X																	
MB 240-78405/8	1	T	17:42	X																	
LCS 240-78405/9	1	T	17:43	X																	
240-21987-1	1	T	17:44	X																	
240-21987-1 MS	1	T	17:46	X																	
240-21987-1 MSD	1	T	17:47	X																	
240-21987-1 DU	1	T	17:48	X																	
CCV 240-78405/14	1		17:50	X																	
CCB 240-78405/15	1		17:51	X																	

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1

SDG No.: _____

Instrument ID: FS4 Method: WS-WC-0050

Start Date: 03/25/2013 12:19 End Date: 03/25/2013 15:18

Lab Sample ID	D / F	T y p e	Time	Analytes															
				N C L															
ZZZZZZ			12:19																
STD5 320-13190/2 IC			12:21	X															
STD4 320-13190/3 IC			12:23	X															
STD3 320-13190/4 IC			12:25	X															
STD2 320-13190/5 IC			12:27	X															
STD1 320-13190/6 IC			12:29	X															
STD0 320-13190/7 IC			12:31	X															
ICV 320-13190/8	1		12:33	X															
ICB 320-13190/9	1		12:35	X															
MRL 320-13190/10	1	T	12:37	X															
ZZZZZZ			12:39																
ZZZZZZ			12:41																
ZZZZZZ			12:43																
ZZZZZZ			12:45																
MB 320-12877/1-B	1	T	12:47	X															
LCS 320-12877/2-B	1	T	12:49	X															
240-21987-1	1	T	12:51	X															
240-21987-1 MS	1	T	12:53	X															
240-21987-1 MSD	1	T	12:55	X															
MRL 320-13190/20	1	T	12:57	X															
CCV 320-13190/21	1		12:59	X															
CCB 320-13190/22	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																
ZZZZZZ			13:23																
ZZZZZZ			13:25																
CCV 320-13190/35			13:27																
CCB 320-13190/36			13:29																
ZZZZZZ			13:31																
ZZZZZZ			13:33																
ZZZZZZ			13:35																
ZZZZZZ			13:37																
ZZZZZZ			13:39																
ZZZZZZ			13:41																

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1

SDG No.: _____

Instrument ID: FS4 Method: WS-WC-0050

Start Date: 03/25/2013 12:19 End Date: 03/25/2013 15:18

Lab Sample ID	D / F	T y p e	Time	Analytes															
				N C L															
CCV 320-13190/43			13:43																
CCB 320-13190/44			13:45																
ZZZZZZ			13:47																
ZZZZZZ			13:49																
ZZZZZZ			13:51																
ZZZZZZ			13:53																
ZZZZZZ			13:55																
ZZZZZZ			13:57																
ZZZZZZ			13:59																
ZZZZZZ			14:01																
ZZZZZZ			14:03																
ZZZZZZ			14:05																
ZZZZZZ			14:07																
CCV 320-13190/56			14:09																
CCB 320-13190/57			14:11																
ZZZZZZ			14:13																
ZZZZZZ			14:15																
ZZZZZZ			14:17																
ZZZZZZ			14:19																
ZZZZZZ			14:21																
ZZZZZZ			14:23																
ZZZZZZ			14:25																
ZZZZZZ			14:27																
ZZZZZZ			14:29																
ZZZZZZ			14:31																
ZZZZZZ			14:33																
CCV 320-13190/69			14:35																
CCB 320-13190/70			14:37																
ZZZZZZ			14:39																
ZZZZZZ			14:41																
ZZZZZZ			14:43																
ZZZZZZ			14:45																
ZZZZZZ			14:47																
CCV 320-13190/76			14:49																
CCB 320-13190/77			14:51																
ZZZZZZ			14:53																
ZZZZZZ			15:04																
ZZZZZZ			15:06																
ZZZZZZ			15:08																
ZZZZZZ			15:10																
ZZZZZZ			15:12																
CCV 320-13190/84			15:14																

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1

SDG No.: _____

Instrument ID: FS4 Method: WS-WC-0050

Start Date: 03/25/2013 12:19 End Date: 03/25/2013 15:18

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				N C L																	
CCB 320-13190/85			15:16																		
ZZZZZZ			15:18																		

Prep Types

T = Total/NA

File name: Z:\GENCHEM\ALPKEM~2\2013\NITROC~1\032513A.RST

Date: 25-Mar-13

Operator: jb

Peak	Cup	Name	R	Type	Dil	Wt	Height	Calc. (ppm)	Flags
1	102	sync	1	SYNC		1	1	247830	2.038347
B	0	Baseline	1	RB		1	1	0	-0.000760 BL
3	102	Cal 5	1	C		1	1	242283	1.992711
4	103	Cal 4	1	C		1	1	123784	1.017714
5	104	Cal 3	1	C		1	1	47837	0.392838
6	105	Cal 2	1	C		1	1	24272	0.198943
7	106	Cal 1	1	C		1	1	6021	0.048782
8	0	Cal 0	1	C		1	1	-28	-0.000989 LO
9	107	ICV	1	U		1	1	120322	0.989236
10	0	BLANK/ICB	1	BLNK		1	1	76	-0.000133 LO
11	106	MRL	1	U		1	1	6090	0.049352
12	108	N02 1PPM	1	U		1	1	123273	1.013514
13	109	N03 1PPM	1	U		1	1	118230	0.972016
14	0	Blank	1	BLNK		1	1	29	-0.000520 LO
B	0	Baseline	1	RB		1	1	0	-0.000760 BL
16	113	mb 320-12877/1-b	1	U		1	1	2408	0.019055
17	114	lcs 320-12877/2-b	1	U		1	1	165636	1.362067
18	115	240-21987-a-1-d	1	U		1	1	2771	0.022037
19	116	240-21987-a-1-e	ms	1	U	1	1	180436	1.483840
20	117	240-21987-a-1-f	msd	1	U	1	1	153701	1.263870
21	106	MRL	1	U		1	1	6259	0.050741
22	103	CCV	1	U		1	1	121568	0.999488
23	0	Blank	1	BLNK		1	1	57	-0.000295 LO
B	0	Baseline	1	RB		1	1	0	-0.000760 BL
25	118	640-42770-a-1-d	1	U		1	1	2518	0.019961
26	119	640-42770-a-1-e	ms	1	U	1	1	130835	1.075732
27	120	640-42770-a-1-f	msd	1	U	1	1	166482	1.369031
28	121	640-42770-a-2-b	1	U		1	1	1816	0.014185
29	122	640-42770-a-3-b	1	U		1	1	2125	0.016725
30	123	640-42770-a-4-b	1	U		1	1	2141	0.016852
31	124	640-42770-a-5-b	1	U		1	1	2319	0.018324
32	125	320-2051-a-1-d	1	U		1	1	4270	0.034377
33	126	320-2051-a-1-e	ms	1	U	1	1	164263	1.350770
34	127	320-2051-a-1-f	msd	1	U	1	1	158352	1.302137
35	106	MRL	1	U		1	1	6571	0.053302
36	103	CCV	1	U		1	1	120432	0.990138
37	0	BLANK	1	BLNK		1	1	118	0.000213
B	0	Baseline	1	RB		1	1	0	-0.000760 BL
39	128	320-2051-a-2-b	1	U		1	1	1766	0.013770
40	129	320-2064-a-1-b	1	U		1	1	2014	0.015809
41	130	320-2064-a-2-b	1	U		1	1	1530	0.011832
42	131	320-2064-a-3-b	1	U		1	1	1684	0.013095
43	106	MRL	1	U		1	1	6223	0.050445
44	103	CCV	1	U		1	1	121301	0.997288
45	0	BLANK	1	BLNK		1	1	75	-0.000141 LO
B	0	Baseline	1	RB		1	1	0	-0.000760 BL
47	132	MB 320-12813/1-B	1	U		1	1	4833	0.039005
48	133	LCS 320-12813/2-B	1	U		1	1	103210	0.848434
49	134	320-2036-A-1-B	1	U		1	1	6611	0.053633
50	135	320-2036-A-2-B	1	U		1	1	9007	0.073352
51	136	320-2036-A-3-B	1	U		1	1	15811	0.129332
52	137	320-2036-A-4-B	1	U		1	1	16252	0.132962
53	138	320-2036-A-5-D	1	U		1	1	6808	0.055257
54	139	320-2036-A-5-E	MS	1	U	1	1	75395	0.619578
55	140	320-2036-A-5-F	MSD	1	U	1	1	76104	0.625417
56	141	320-2036-A-6-B	1	U		1	1	3029	0.024164
57	103	CCV	1	U		1	1	122847	1.010009
58	0	BLANK	1	BLNK		1	1	11	-0.000672 LO
B	0	Baseline	1	RB		1	1	0	-0.000760 BL
60	142	320-2036-A-7-B	1	U		1	1	4971	0.040142
61	143	320-2036-A-8-B	1	U		1	1	4212	0.033895
62	144	320-2036-A-9-B	1	U		1	1	5017	0.040523
63	145	320-2036-A-10-B	1	U		1	1	4409	0.035513
64	146	320-2036-A-11-B	1	U		1	1	6981	0.056679
65	147	320-2036-A-12-B	1	U		1	1	10363	0.084505
66	148	320-2036-A-13-B	1	U		1	1	4320	0.034788
67	149	320-2036-A-14-B	1	U		1	1	6103	0.049454
68	150	320-2036-A-15-B	1	U		1	1	5604	0.045351
69	151	320-2036-A-16-B	1	U		1	1	154259	1.268464
70	103	CCV	1	U		1	1	120514	0.990814

Peak	Cup	Name	R	Type	Dil	Wt	Height	Calc. (ppm)	Flags
71	0	BLANK	1	BLNK		1	119	0.000220	
B	0	Baseline	1	RB		1	0	-0.000760	BL
73	152	320-2036-A-17-B	1	U		1	4565	0.036800	
74	153	320-2036-A-18-D	1	U		1	5292	0.042783	
75	154	320-2036-A-18-E	MS 1	U		1	74878	0.615325	
76	155	320-2036-A-18-F	MSD 1	U		1	79723	0.655186	
77	103	CCV	1	U		1	122186	1.004569	
78	0	BLANK	1	BLNK		1	11	-0.000671	LO
B	0	Baseline	1	RB		1	0	-0.000760	BL
80	0	BLANK	1	BLNK		1	-5	-0.000797	LO
B	0	Baseline	1	RB		1	0	-0.000760	BL
82	156	320-2035-a-20	1	U		1	32188	0.264082	
83	157	ms 320-2035-a-20	1	U		1	109827	0.902885	
84	158	msd 320-2035-a-20	1	U		1	113080	0.929648	
85	103	CCV	1	U		1	122008	1.003104	
86	0	BLANK	1	BLNK		1	19	-0.000602	LO
B	0	Baseline	1	RB		1	0	-0.000760	BL

Cup	Name	S	1:Time	1:Value	1:S
0	Baseline	C	12:19:11	0.00	[C]
102	Cal 5	C	12:21:11	1.99	[C]
103	Cal 4	C	12:23:11	1.02	[C]
104	Cal 3	C	12:25:11	0.39	[C]
105	Cal 2	C	12:27:11	0.20	[C]
106	Cal 1	C	12:29:12	0.05	[C]
0	Cal 0	C	12:31:12	0.00	[C]
107	ICV	-	12:33:12	0.99	[-]
0	BLANK/ICB	C	12:35:12	0.00	[C]
106	MRL	-	12:37:12	0.05	[-]
108	N02 1PPM	-	12:39:13	1.01	[-]
109	N03 1PPM	-	12:41:13	0.97	[-]
0	Blank	C	12:43:13	0.00	[C]
0	Baseline	C	12:45:13	0.00	[C]
113	mb 320-12877/1-b	-	12:47:13	0.02	[-]
114	lcs 320-12877/2-b	-	12:49:13	1.36	[-]
115	240-21987-a-1-d	-	12:51:14	0.02	[-]
116	240-21987-a-1-e ms	-	12:53:14	1.48	[-]
117	240-21987-a-1-f msd	-	12:55:14	1.26	[-]
106	MRL	-	12:57:14	0.05	[-]
103	CCV	-	12:59:14	1.00	[-]
0	Blank	C	13:01:14	0.00	[C]
0	Baseline	C	13:03:15	0.00	[C]
118	640-42770-a-1-d	-	13:05:15	0.02	[-]
119	640-42770-a-1-e ms	-	13:07:15	1.08	[-]
120	640-42770-a-1-f msd	-	13:09:15	1.37	[-]
121	640-42770-a-2-b	-	13:11:15	0.01	[-]
122	640-42770-a-3-b	-	13:13:15	0.02	[-]
123	640-42770-a-4-b	-	13:15:16	0.02	[-]
124	640-42770-a-5-b	-	13:17:16	0.02	[-]
125	320-2051-a-1-d	-	13:19:16	0.03	[-]
126	320-2051-a-1-e ms	-	13:21:16	1.35	[-]
127	320-2051-a-1-f msd	-	13:23:16	1.30	[-]
106	MRL	-	13:25:16	0.05	[-]
103	CCV	-	13:27:17	0.99	[-]
0	BLANK	C	13:29:17	0.00	[C]
0	Baseline	C	13:31:17	0.00	[C]
128	320-2051-a-2-b	-	13:33:17	0.01	[-]
129	320-2064-a-1-b	-	13:35:17	0.02	[-]
130	320-2064-a-2-b	-	13:37:18	0.01	[-]
131	320-2064-a-3-b	-	13:39:18	0.01	[-]
106	MRL	-	13:41:18	0.05	[-]
103	CCV	-	13:43:18	1.00	[-]
0	BLANK	C	13:45:18	0.00	[C]
0	Baseline	C	13:47:18	0.00	[C]
132	MB 320-12813/1-B	-	13:49:19	0.04	[-]
133	LCS 320-12813/2-B	-	13:51:19	0.85	[-]
134	320-2036-A-1-B	-	13:53:19	0.05	[-]
135	320-2036-A-2-B	-	13:55:19	0.07	[-]
136	320-2036-A-3-B	-	13:57:19	0.13	[-]
137	320-2036-A-4-B	-	13:59:19	0.13	[-]
138	320-2036-A-5-D	-	14:01:20	0.06	[-]
139	320-2036-A-5-E MS	-	14:03:20	0.62	[-]
140	320-2036-A-5-F MSD	-	14:05:20	0.63	[-]
141	320-2036-A-6-B	-	14:07:20	0.02	[-]
103	CCV	-	14:09:20	1.01	[-]
0	BLANK	C	14:11:20	0.00	[C]
0	Baseline	C	14:13:21	0.00	[C]
142	320-2036-A-7-B	-	14:15:21	0.04	[-]
143	320-2036-A-8-B	-	14:17:21	0.03	[-]
144	320-2036-A-9-B	-	14:19:21	0.04	[-]
145	320-2036-A-10-B	-	14:21:21	0.04	[-]
146	320-2036-A-11-B	-	14:23:22	0.06	[-]
147	320-2036-A-12-B	-	14:25:22	0.08	[-]
148	320-2036-A-13-B	-	14:27:22	0.03	[-]
149	320-2036-A-14-B	-	14:29:22	0.05	[-]
150	320-2036-A-15-B	-	14:31:22	0.05	[-]
151	320-2036-A-16-B	-	14:33:22	1.27	[-]
103	CCV	-	14:35:23	0.99	[-]
0	BLANK	C	14:37:23	0.00	[C]
0	Baseline	C	14:39:23	0.00	[C]
152	320-2036-A-17-B	-	14:41:23	0.04	[-]
153	320-2036-A-18-D	-	14:43:23	0.04	[-]
154	320-2036-A-18-E MS	-	14:45:23	0.62	[-]
155	320-2036-A-18-F MSD	-	14:47:24	0.66	[-]
103	CCV	-	14:49:24	1.00	[-]

0	BLANK	C	14:51:24	0.00	[C]
0	Baseline	C	14:53:24	0.00	[C]
0	BLANK	C	15:04:13	0.00	[C]
0	Baseline	C	15:06:13	0.00	[C]
156	320-2035-a-20	-	15:08:13	0.26	[-]
157	ms 320-2035-a-20	-	15:10:14	0.90	[-]
158	msd 320-2035-a-20	-	15:12:14	0.93	[-]
103	CCV	-	15:14:14	1.00	[-]
0	BLANK	C	15:16:14	0.00	[C]
0	Baseline	C	15:18:14	0.00	[C]

File name: Z:\GENCHEM\ALPKEM~2\2013\NITROC~1\032513A.RST

Date: 25-Mar-13

Operator: jb

* Name	Conc	Height
* Cal 5	2.000000	242283.109375
* Cal 4	1.000000	123783.609375
* Cal 3	0.400000	47837.187500
* Cal 2	0.200000	24271.509766
* Cal 1	0.050000	6021.231934
* Cal 0	0.000000	-27.888397

Calib Coef:

y=bx+a

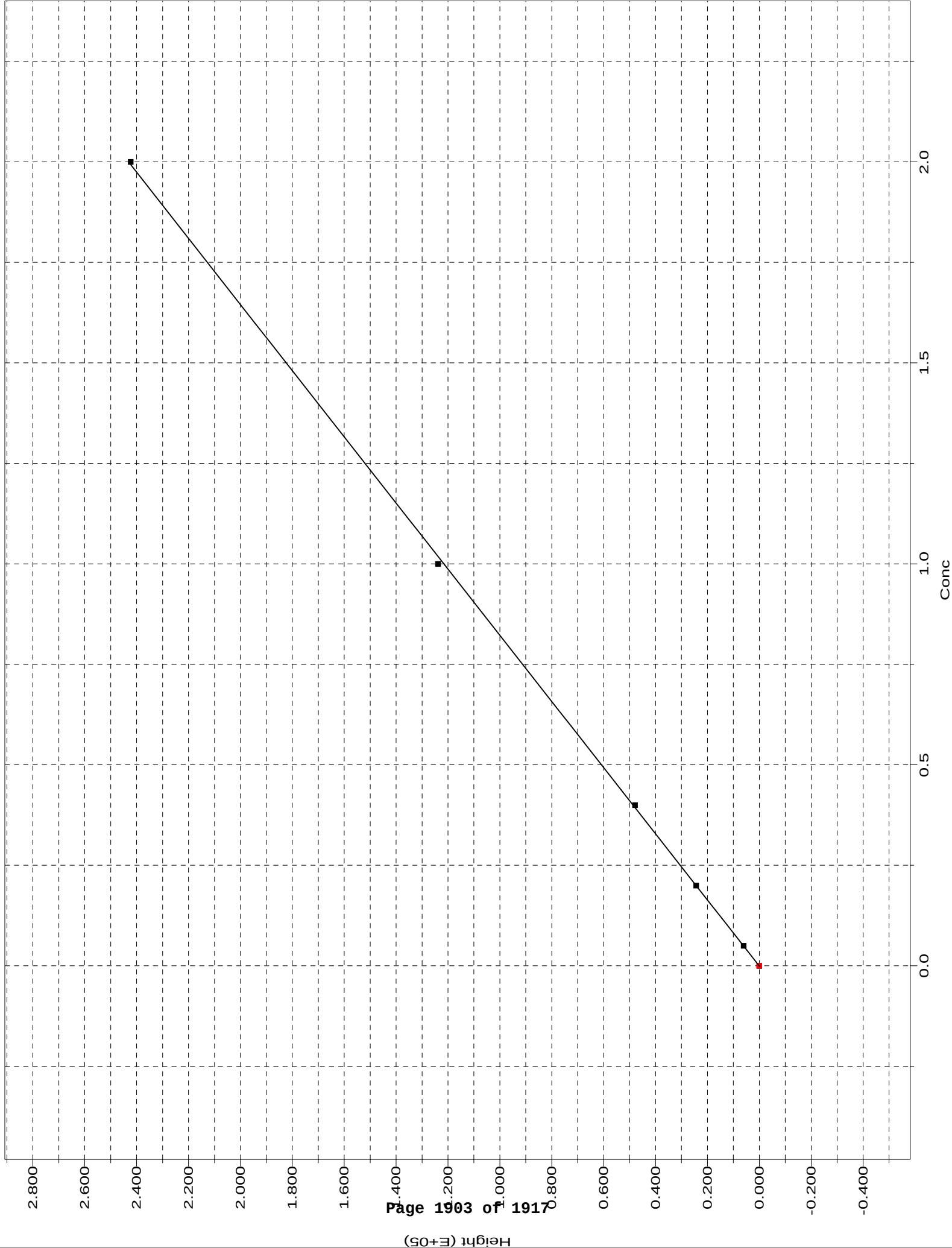
a: (intercept) 9.2314e+01

b: 1.2154e+05

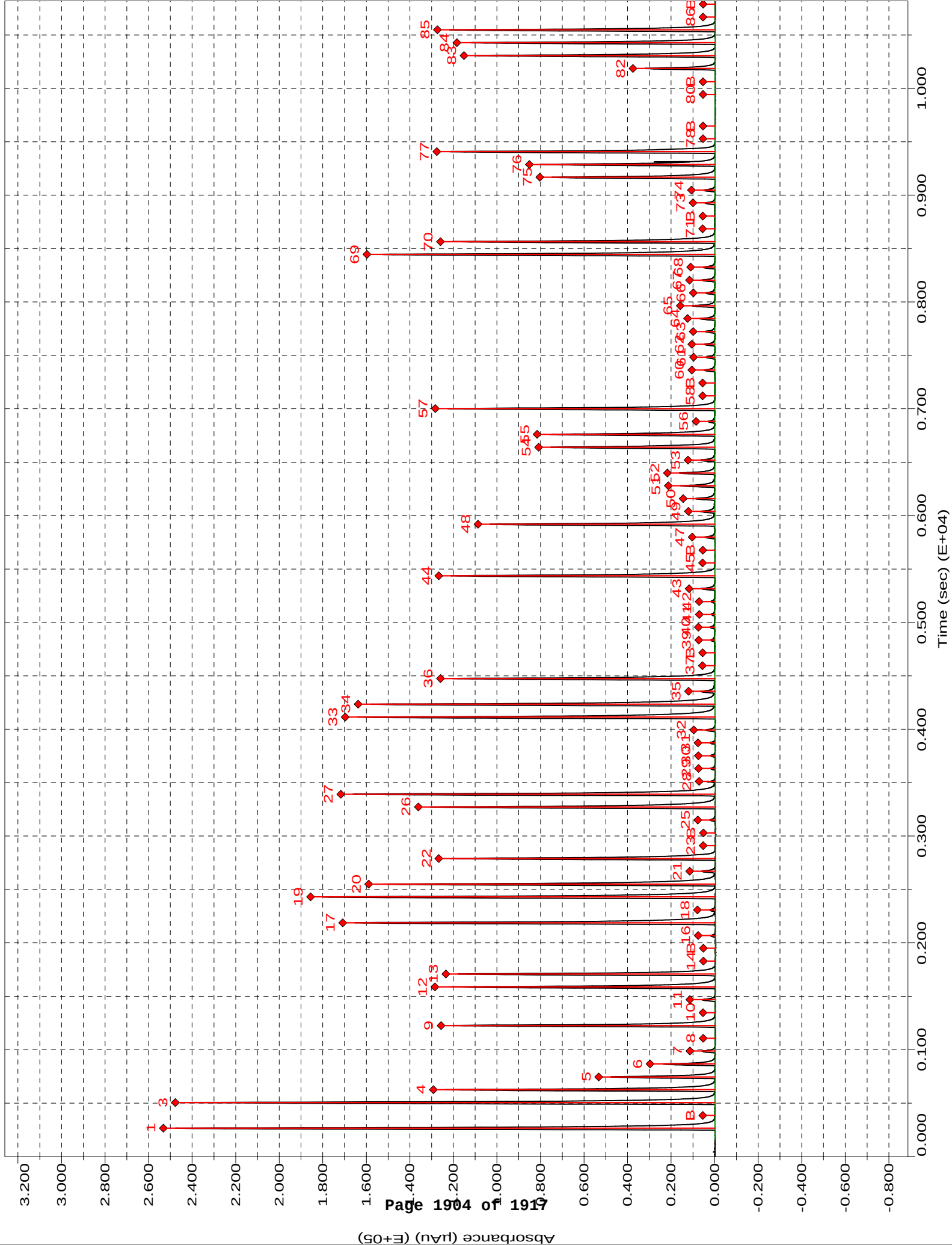
Corr Coef: 0.999929

Carryover: n/a

No Drift Peaks



Channel 1: Nitrate/Nitrite



Level I and Level II Review Checklist General Chemistry

Instrument ID F54		WS-WC-0050 NCell Solid		
Batch 13190	File # 032513A	Date 3/25/13	Analyst JS	
Lot Numbers 240-21987, 640-42770, 320-2051		YES	NO	NA
LEVEL 1 Review:				
320-2064, 320-2036				
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: _____

REVIEWED BY: JS	DATA ENTERED BY: JS
DATE: 3/28/13	DATE: 3/26/13

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-21987-1

SDG No.: _____

Batch Number: 78405 Batch Start Date: 03/14/13 17:32 Batch Analyst: Martin, AaronBatch Method: 7196A Batch End Date: 03/14/13 17:53

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	ColorBlk	UnCorResp	CalcMsg	WCCHROME50PM2 00010	WCCHROME50PPM 00009
IC 240-78405/1		7196A		50 mL		0.004 Absorbance	OK w/o Correction		0.005 mL
IC 240-78405/2		7196A		50 mL		0.009 Absorbance	OK w/o Correction		0.01 mL
IC 240-78405/3		7196A		50 mL		0.082 Absorbance	OK w/o Correction		0.1 mL
IC 240-78405/4		7196A		50 mL		0.204 Absorbance	OK w/o Correction		0.25 mL
IC 240-78405/5		7196A		50 mL		0.395 Absorbance	OK w/o Correction		0.5 mL
ICV 240-78405/6		7196A		50 mL		0.213 Absorbance	OK w/o Correction	0.25 mL	
ICB 240-78405/7		7196A		50 mL		0.000 Absorbance	OK w/o Correction		
MB 240-78405/8		7196A		50 mL		0.00 Absorbance	OK w/o Correction		
LCS 240-78405/9		7196A		50 mL		0.213 Absorbance	OK w/o Correction	0.25 mL	
240-21987-G-1	079-0007-0001-SO URCEWATER	7196A	T	50 mL	0.002 Absorbance	0.002 Absorbance	OK		
240-21987-G-1 MS	079-0007-0001-SO URCEWATER	7196A	T	50 mL	0.002 Absorbance	0.224 Absorbance	OK	0.25 mL	
240-21987-G-1 MSD	079-0007-0001-SO URCEWATER	7196A	T	50 mL	0.002 Absorbance	0.206 Absorbance	OK	0.25 mL	
240-21987-G-1 DU	079-0007-0001-SO URCEWATER	7196A	T	50 mL	0.003 Absorbance	0.003 Absorbance	OK		
CCV 240-78405/14		7196A		50 mL		0.204 Absorbance	OK w/o Correction		0.25 mL
CCB 240-78405/15		7196A		50 mL		0.000 Absorbance	OK w/o Correction		

Batch Notes	
Batch Comment	Beakers: 871931
Spectrophotometer Cell Path Length	1 cm
Color Reagent ID Number	882490
Pipette ID	377822
Sulfuric Acid Reagent ID Number	850810

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 Canton Job No.: 240-21987-1

SDG No.: _____

Batch Number: 78405 Batch Start Date: 03/14/13 17:32 Batch Analyst: Martin, AaronBatch Method: 7196A Batch End Date: 03/14/13 17:53

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.

7196A

Page 2 of 2

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Sacramento Job No.: 240-21987-1

SDG No.: _____

Batch Number: 12877 Batch Start Date: 03/22/13 13:30 Batch Analyst: Reed, Jonathan EBatch Method: 353.2 (NCell) Batch End Date: 03/23/13 23:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	HPNCSP 00007			
MB 320-12877/1		353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050		100.00 mL	50.00 mL				
LCS 320-12877/2		353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050		100.00 mL	50.00 mL	1 mL			
240-21987-A-1	079-0007-0001-SO URCEWATER	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	100.00 mL	50.00 mL				
240-21987-A-1 MS	079-0007-0001-SO URCEWATER	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	100.00 mL	50.00 mL	1 mL			
240-21987-A-1 MSD	079-0007-0001-SO URCEWATER	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	100.00 mL	50.00 mL	1 mL			

Batch Notes	
Acetone Lot #	0000010624
Centrifuge Tube	2174983
Membrane Filter	r2ja47614
Millipore Water Dispense Date	3/21/13

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.: 240-21987-1

SDG No.: _____

Batch Number: 12938 Batch Start Date: 03/25/13 05:40 Batch Analyst: Phan, TuanBatch Method: 353 (NCell-Hyd) Batch End Date: 03/25/13 08:50

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount				
MB 320-12877/1-A		353 (NCell-Hyd), WS-WC-0050		50 mL	40 mL				
LCS 320-12877/2-A		353 (NCell-Hyd), WS-WC-0050		50 mL	40 mL				
240-21987-A-1-A	079-0007-0001-SO URCEWATER	353 (NCell-Hyd), WS-WC-0050	T	50 mL	40 mL				
240-21987-A-1-B MS	079-0007-0001-SO URCEWATER	353 (NCell-Hyd), WS-WC-0050	T	50 mL	40 mL				
240-21987-A-1-C MSD	079-0007-0001-SO URCEWATER	353 (NCell-Hyd), WS-WC-0050	T	50 mL	40 mL				

Batch Notes	
0.45 Filter Vendor/Lot	MILLIPORE R2DA02309
Centrifuge Tube	2174983
Sulfuric Acid Lot Number	Sulfuric Acid_00001
Millipore Water Dispense Date	3/21/13
NaOH Lot #	1NNaOH_00001

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.: 240-21987-1

SDG No.: _____

Batch Number: 13190 Batch Start Date: 03/25/13 12:19 Batch Analyst: Baynes, JasonBatch Method: WS-WC-0050 Batch End Date: 03/25/13 15:18

Lab Sample ID	Client Sample ID	Method Chain	Basis	WC-353.2-ICV 00020	WC-353.2-L1 00019	WC-353.2-L4 00014			
ICV 320-13190/8		WS-WC-0050		# mL					
MRL 320-13190/10		WS-WC-0050			# mL				
MRL 320-13190/20		WS-WC-0050			# mL				
CCV 320-13190/21		WS-WC-0050				# mL			

Batch Notes	
Nitrocellulose Assay	0.119
Color Reagent 1 ID	4525-WC-20-4 e. 5/31/13
NO2/NO3 Indicator ID #	4525-WC-18-6 e. 5/16/13

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 Canton Sample Receipt Form/Narrative

Login # : _____

Client ECC Site Name _____ By: David D. Ham
Cooler Received on 3-14-13 Opened on 3-14-13 (Signature)
FedEx: 1st Grd Exp UPS FAS Stetson Client Drop Off TestAmerica Courier Other _____
TestAmerica Cooler # _____ 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 -2 °C) Observed Sample Temp. _____ °C Corrected Sample Temp. _____ °C
IR GUN# 4G (CF 0 °C) Observed Sample Temp. 2.4 °C Corrected Sample Temp. 2.4 °C
IR GUN# 5G (CF 0 °C) Observed Sample Temp. _____ °C Corrected Sample Temp. _____ °C
IR GUN# 8 (CF 0 °C) Observed Sample Temp. _____ °C Corrected Sample Temp. _____ °C

☐ Multiple
on 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 NA11. 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)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in Sample Receiving to meet recommended pH level(s). Nitric Acid Lot# 031512-HNO₃; Sulfuric Acid Lot# 051012-H₂SO₄; Sodium Hydroxide Lot# 121809-NaOH; Hydrochloric Acid Lot# 041911-HCl; Sodium Hydroxide and Zinc Acetate Lot# 100108-(CH₃COO)₂ZN/NaOH. What time was preservative added to sample(s)? _____

[illegible]

Login Sample Receipt Checklist

Client: Environmental Chemical Corp.

Job Number: 240-21987-1

Login Number: 21987
List Number: 1
Creator: Watson, Debbie

List Source: TestAmerica Pittsburgh
List Creation: 03/15/13 01:18 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: 240-21987-1

Login Number: 21987

List Number: 1

Creator: Tecson, Jeffrey

List Source: TestAmerica Sacramento

List Creation: 03/15/13 01:49 PM

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	1.3
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?	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 $<6\text{mm}$ ($1/4\text{''}$).	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	